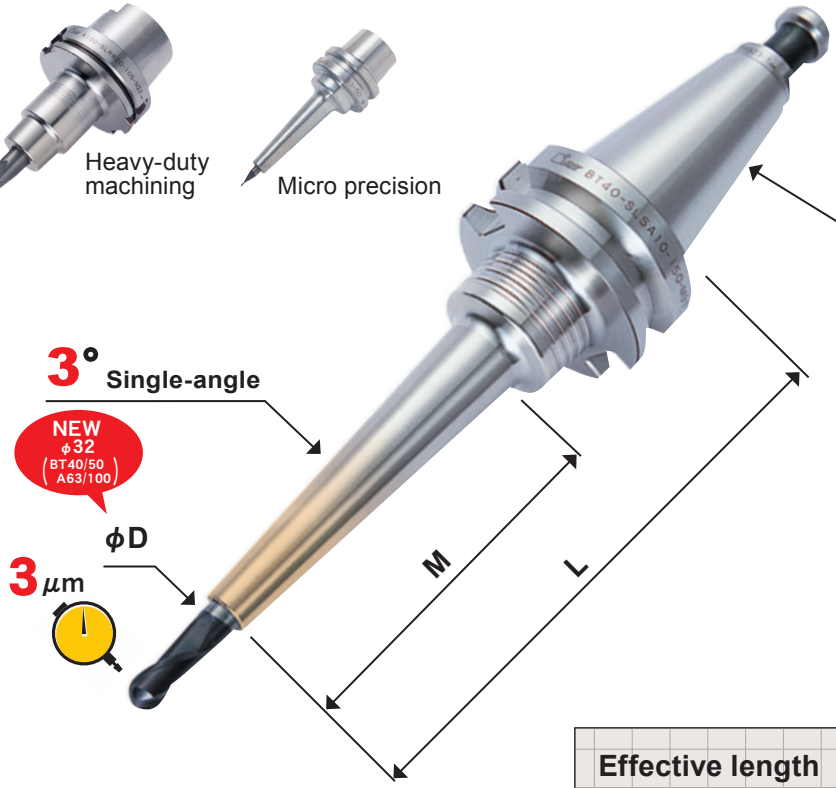
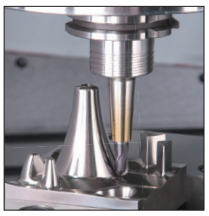
MONO SERIES

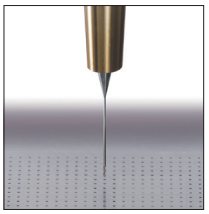
MONO 3°

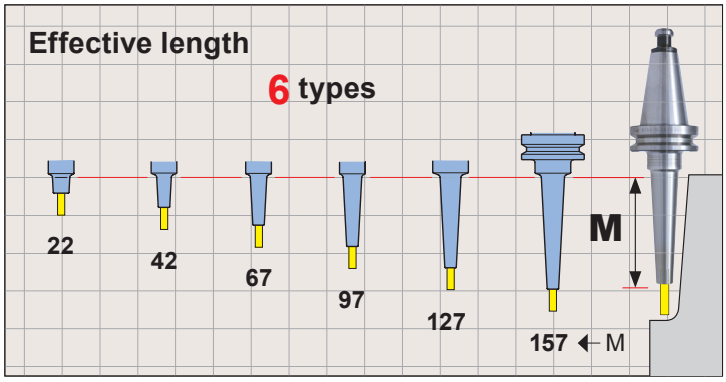
Heavy-duty machining

Micro precision









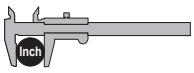
3,000 variations

BT50 – SL SA 3 – 110 – M42

- BT50: Shank Type
- SL: SLIMLINE
- SA: Nose shape
- 3: ϕD
- 110: L
- M42: Effective length

PAGE	
18	BT30
22	BT40
51	BT50
80	A40
85	A50
88	A63
125	A100
161	E25
163	E32
168	E40
175	E50
185	F63
204	15T
205	RS20
206	S20T

● DIN and CAT. shank products are available upon request.

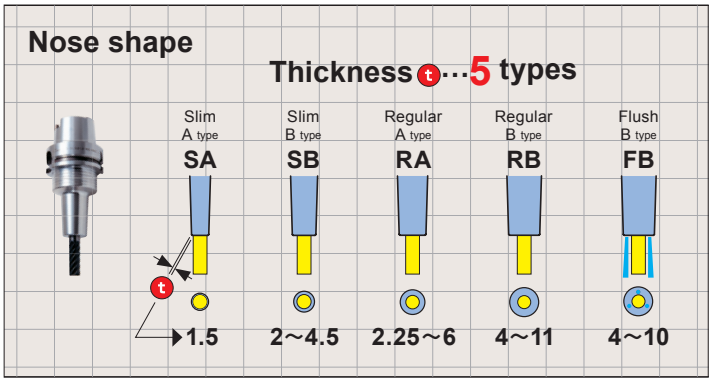


● Inch. size I.D is available upon request.

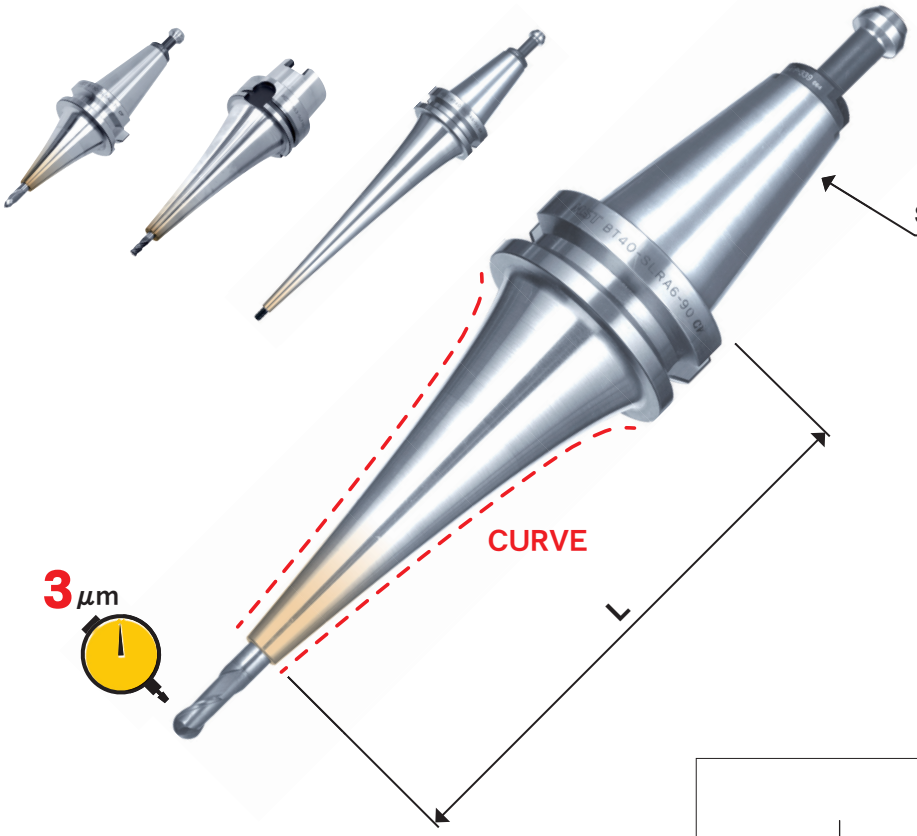
Coolant-through

Cutter through

Flush through

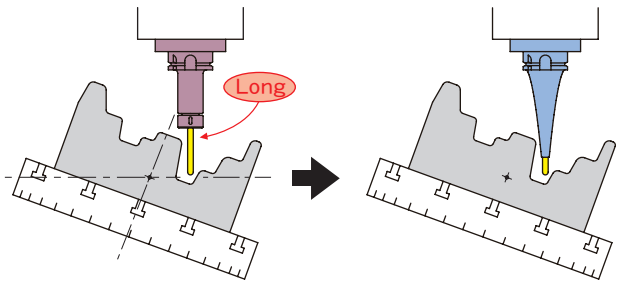


MONO CURVE



500 variations

5-axis machines



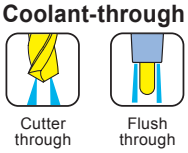
BT50 – SL SA 4 – 165 CV

- BT50 – Shank Type
- SL – SLIMLINE
- SA – Nose shape
- 4 – ϕD
- 165 – L
- CV – CURVE

PAGE		Inch
18	BT30	—
22	BT40	—
51	BT50	—
88	A63	○
125	A100	○
163	E32	○
168	E40	○
175	E50	○
185	F63	○
207	CT50	○

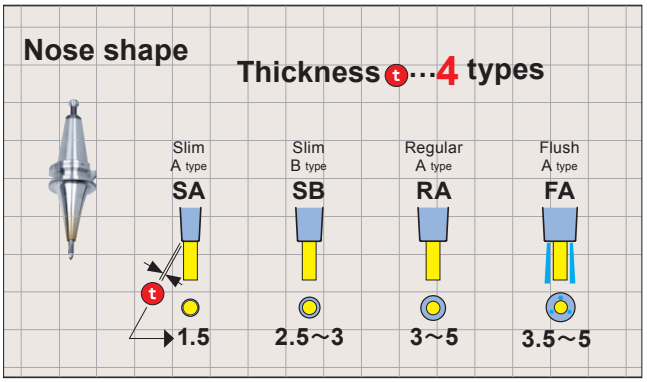
● DIN shank products are available upon request.

Coolant-through



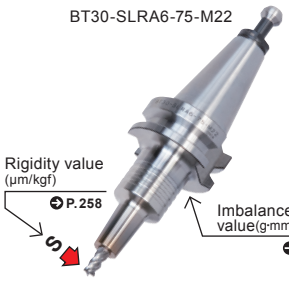
Nose shape

Thickness t ···4 types



BT30

MONO 3°



MONO CURVE

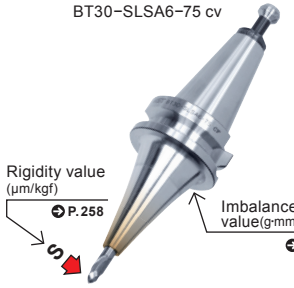


Fig.1

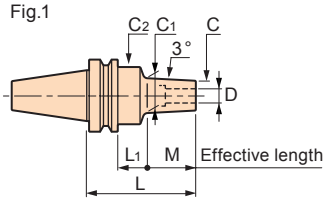
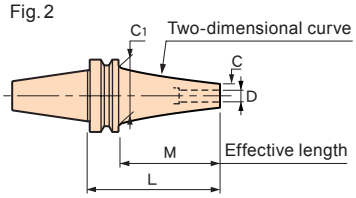
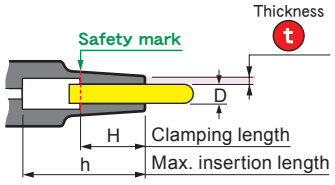


Fig. 2



■**Option**
- Retention knob→P.244

■**Caution**
- Retention knob･･･Use a retention knob with hole, or remove the retention knob and heat it.
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



CV: Curve

Thickness

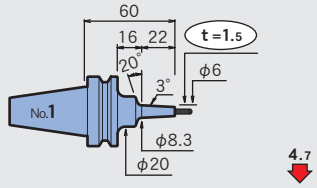
CODE	Fig.	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg	N	S	Scale model
BT30-SLSA3- 60-M22	1	3	6	1.5	60	22	16	8.3	20	9	80	0.4	0.8	4.7	1
- 75-M22					75		31		25		99			4.6	2
- 95-M42					95	42	31	10.4			119			9.2	3
-120-M67					120	67		13			144	0.5	1.6	14.9	4
-SLRA3- 75-M22	1	3	7.5	2.25	75	22	31	9.8	25	9	99	0.5	1.6	2.8	5
BT30-SLSA3.175-75-M22	1	3.175	6.175	1.5	75	22	31	8.5	25	9	99	0.4	0.8	4.4	6
-95-M42					95	42		10.6			119			8.8	7
BT30-SLSA4- 75-M22	1	4	7	1.5	75	22	31	9.3	25	12	99	0.4	0.8	3.6	8
- 95-M42					95	42		11.4			119			7.3	9
-120-M67					120	67		14			144	0.5	1.6	11.9	10
-SLRA4- 75-M22	1	4	10	3	75	22	31	12.3	25	12	99	0.5	1.6	1.8	11
-SLSA4- 75 CV	2	4	7	1.5	75	53	—	34	—	12	99	0.5	1	1.8	12
- 90 CV					90	68					114		1.1	2.8	13
-120 CV					120	98					144		1.2	6.6	14
-SLRA4- 90 CV	2	4	10	3	90	68	—	34	—	12	114	0.5	1	2	15
-120 CV					120	98					144		1.1	2.9	16
BT30-SLSA6- 75-M22	1	6	9	1.5	75	22	31	11.3	25	18	99	0.4	0.9	2.4	17
- 95-M42					95	42		13.4			119			4.9	18
-120-M67					120	67		16			144	0.5	1.7	8.3	19
-SLRA6- 75-M22	1	6	12	3	75	22	31	14.3	25	18	99	0.4	0.9	1.4	20
-SLSA6- 75 CV	2	6	9	1.5	75	53	—	34	—	18	99	0.5	1.3	1.5	21
- 90 CV					90	68					114		1	2.4	22
-120 CV					120	98					144		1.2	5.6	23
-SLRA6- 90 CV	2	6	13	3.5	90	68	—	34	—	18	114	0.5	1.1	1.6	24
-120 CV					120	98					144		1.2	2.5	25
BT30-SLRA8- 75-M22	1	8	14	3	75	22	31	16.3	25	24	99	0.4	0.9	1.2	26
-SLSA8- 75 CV	2	8	11	1.5	75	53	—	34	—	24	99	0.5	1.1	1.3	27
- 90 CV					90	68					114	0.6	1.6	2.2	28
-SLRA8- 90 CV	1	8	16	4	90	68	—	34	—	24	114	0.5	1.2	1.1	29

CODE	Fig.	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg	N	S	Scale model
BT30-SLRA10- 75-M22	1	10	16	3	75	22	31	18.3	25	30	99	0.4	1	1.1	30
-SLSA10- 75 CV	2	10	13	1.5	75	53	—	34	—	30	99	0.5	1.6	1.2	31
- 90 CV					90	68					114		1.4	2	32
-SLRA10- 90 CV	2	10	19	4.5	90	68	—	34	—	30	114	0.6	1.5	1.1	33
BT30-SLRA12- 75-M22	1	12	20	4	75	22	31	22.3	25	30	99	0.5	1.2	1	34
BT30-SLRA16- 60-M22		16	26	5	60	22	16	28.3	34	32	60	0.5	1.6	0.5	35
BT30-SLRA20- 65-M22		20	32	6	65	22	21	34.3	40	38	60	0.6	2.1	0.4	36

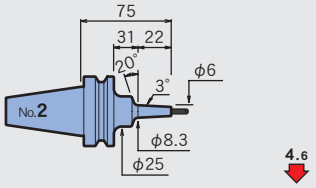
BT30 S=1:5

ϕ3

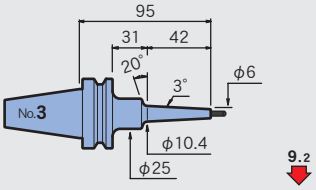
BT30-SLSA3-60-M22



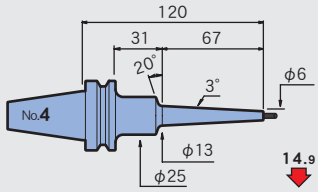
BT30-SLSA3-75-M22



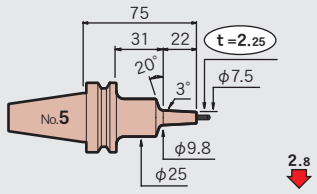
BT30-SLSA3-95-M42



BT30-SLSA3-120-M67

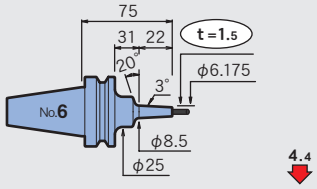


BT30-SLRA3-75-M22

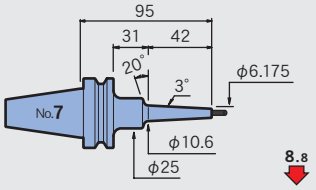


ϕ3.175

BT30-SLSA3.175-75-M22

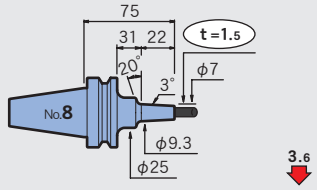


BT30-SLSA3.175-95-M42



ϕ4

BT30-SLSA4-75-M22



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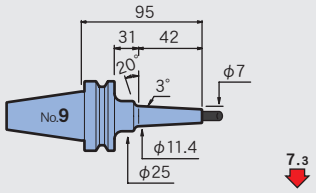

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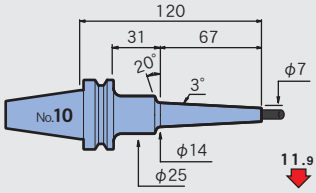

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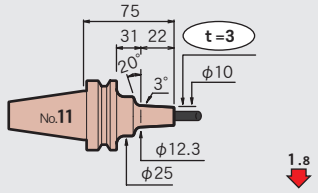
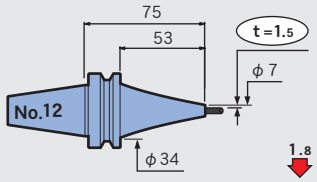
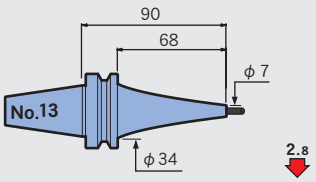


BT30-SLSA4-75 CV



BT30-SLSA4-90 CV



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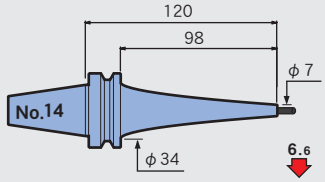

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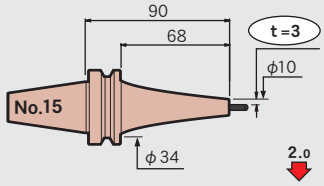

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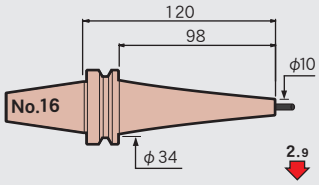
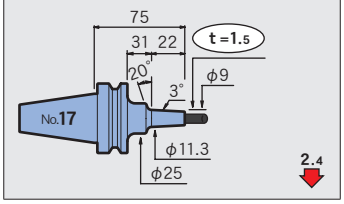


ϕ6

BT30-SLSA6-75-M22



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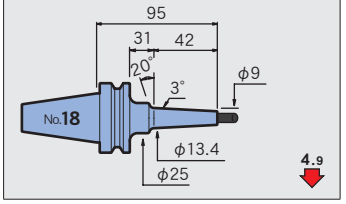
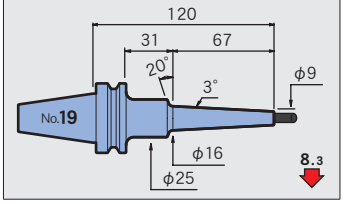


BT30-SLSA6-120-M67



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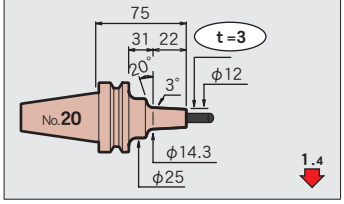

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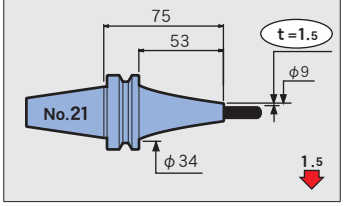

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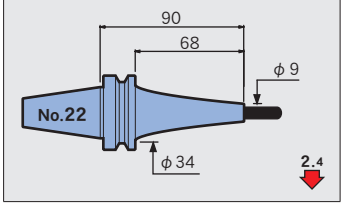
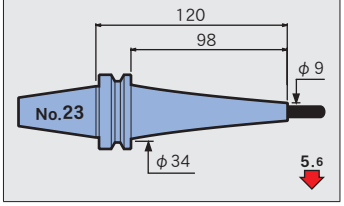
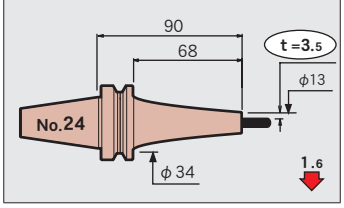


BT30-SLSA6-120 CV



BT30-SLRA6-90 CV



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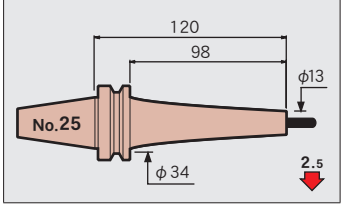
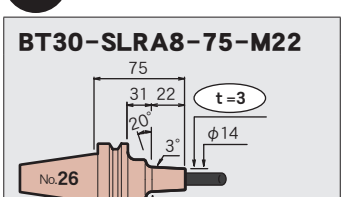


ϕ8

BT30-SLRA8-75-M22



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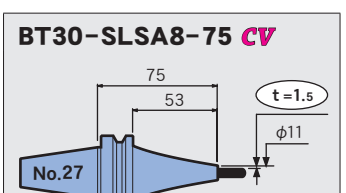

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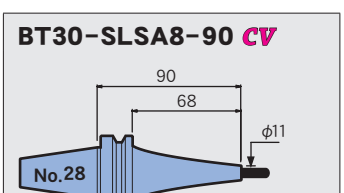

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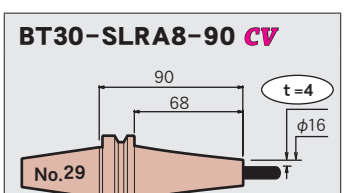
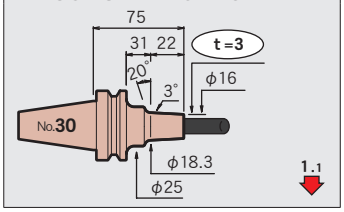
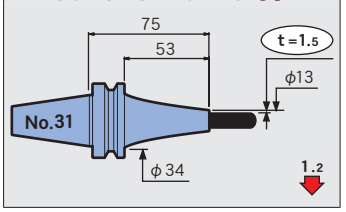


ϕ10

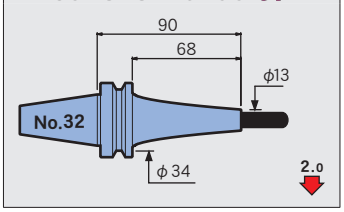
BT30-SLRA10-75-M22



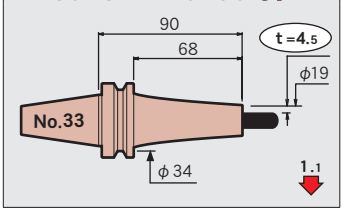
BT30-SLSA10-75 CV



BT30-SLSA10-90 CV

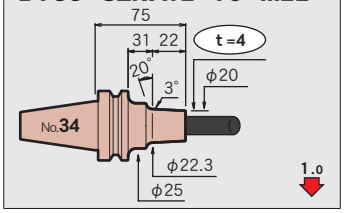


BT30-SLRA10-90 CV



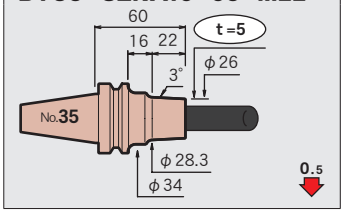
ϕ12

BT30-SLRA12-75-M22



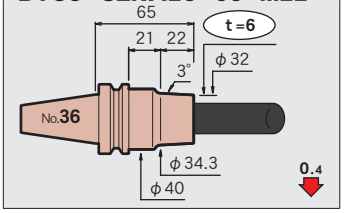
ϕ16

BT30-SLRA16-60-M22



ϕ20

BT30-SLRA20-65-M22



BT40

MONO 3°

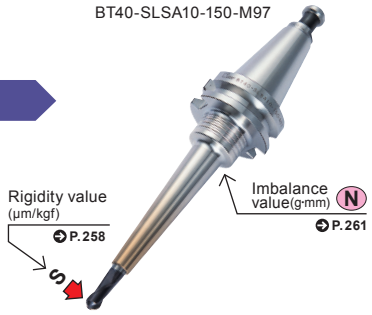


Fig.1

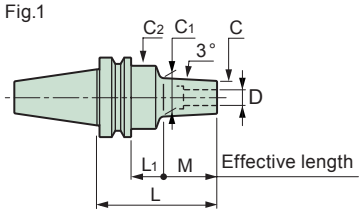
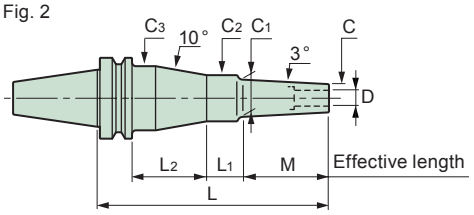


Fig. 2



Compatibility table for HRD-01S

[○] Available [×] Not available

[▲] Usable by raising the heating unit.→P.257

MONO CURVE CV

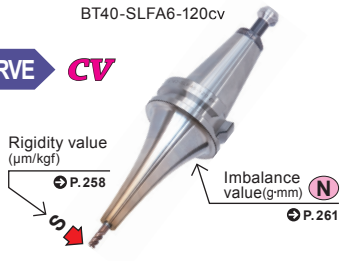
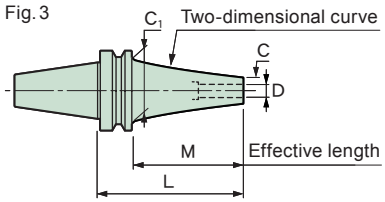
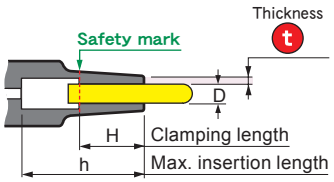


Fig. 3



■**Option**
- Retention knob→P.244

■**Caution**
- Retention knob･･･Use a retention knob with hole, or remove the retention knob and heat it.
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



CV: Curve

Thickness

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT40-SLSA3- 95-M 42	1	3	6	1.5	95	42	26	—	10.4	25	—	9	130	1	2.3	9.1	○	1
-120-M 67					120	67			13				155		3.1	14.6		4
-125-M 42					125	42	56		10.4				160	1.1	2.5	9.7		2
-150-M 67					150	67			13				185		3.2	15.7		5
-M 97						97	26		16.2						4	20.4		7
-155-M 42	2				155	42	33	53	10.4	26	40		190	1.4	2.7	9.9		3
-180-M 67					180	67			13				215		3.4	15.8		6
-M 97	1					97	56	—	16.2		—			1.2	4.1	22.2		8
-210-M 97	2				210		33	53		25	39		245	1.4	4.3	22.1		9
-SLRA3- 75-M 22	1	3	7.5	2.25	75	22	26	—	9.8	25	—	9	110	1	2.6	2.7	○	10
- 95-M 42					95	42			11.9				130		2.9	5.3		13
-105-M 22					105	22	56		9.8				140	1.1	2.7	3.2		11
-120-M 67					120	67	26		14.5				155		3.4	8.8		16
-125-M 42					125	42	56		11.9				160		3	6		14
-135-M 22	2				135	22	33	53	9.8		39		170	1.4	2.9	3.2		12
-150-M 67	1				150	67	56	—	14.5		—		185	1.2	3.5	14.5		17
-M 97						97	26		17.7					1.1	4.1	12.8		19
-155-M 42	2				155	42	33	53	11.9	25	39		190	1.4	3.2	6		15
-180-M 67					180	67			14.5	26	40		215		3.7	9.8		18
-M 97	1					97	56	—	17.7		—			1.2	4.2	14.3		20
-M127						127	26		20.8	36				1.1	5.4	15.7		22
-210-M 97	2				210	97	33	53	17.7	25	39		245	1.5	4.4	14.4		21
-M127	1					127	56	—	20.8	32	—			1.4	5.5	16.5		23
-240-M127	2				240	127	28	58		36	50		275	1.8	5.8	16.3		24

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg	N	S		Scale model
BT40-SLFB3- 75-M 22	1	3	9.5	3.25	75	22	26	—	11.8	25	—	9	110	1	2.4	1.9	○	25
- 95-M 42					95	42			13.9				130		2.7	3.2		28
-105-M 22					105	22	56		11.8				140	1.1	2.5	2.3		26
-120-M 67					120	67	26		16.5				155		3.4	5.3		31
-125-M 42					125	42	56		13.9				160		2.8	3.9		29
-135-M 22	2				135	22	33	53	11.8		39		170	1.4	2.7	2.3		27
-150-M 67	1				150	67	56	—	16.5		—		185	1.2	3.6	6.4		32
-155-M 42	2				155	42	33	53	13.9		39		190	1.4	3	3.9		30
-180-M 67					180	67			16.5	26	40		215		3.8	6.3		33
BT40-SLSA4- 95-M 42	1	4	7	1.5	95	42	26	—	11.4	25	—	12	130	1	3.1	7.1	○	34
-120-M 67					120	67			14				155			11.7		37
-125-M 42					125	42	56		11.4				160	1.1	3.3	7.9		35
-150-M 67					150	67			14				185			12.8		38
-M 97						97	26		17.2						4.1	16.5		40
-155-M 42	2				155	42	33	53	11.4		39		190	1.4	3.5	7.9		36
-180-M 67					180	67			14				215			12.8		39
-M 97	1					97	56	—	17.2		—			1.2	4.2	18.3		41
-210-M 97	2				210		33	53			39		245	1.5	4.4	18.2		42
-SLRA4- 75-M 22	1	4	10	3	75	22	26	—	12.3	25	—	12	110	1	2.7	1.7	○	43
- 95-M 42					95	42			14.4				130		3.1	3.1		46
-105-M 22					105	22	56		12.3				140	1.1	2.8	2.2		44
-120-M 67					120	67	26		17				155		3.9	5.1		49
-125-M 42					125	42	56		14.4				160		3.3	3.8		47
-135-M 22	2				135	22	33	53	12.3		39		170	1.4	3	2.2		45
-150-M 67	1				150	67	56	—	17		—		185	1.2	4	6.3		50
-M 97						97	26		20.2					1.1	4.8	7.7		52
-155-M 42	2				155	42	33	53	14.4		39		190	1.4	3.5	3.8		48
-180-M 67					180	67			17				215		4.2	6.2		51
-M 97	1					97	56	—	20.2		—			1.2	4.9	9.5		53
-M127						127	26		23.3	32				1.2	6.8	9.3		55
-210-M 97	2				210	97	33	53	20.2	25	39		245	1.5	5.1	9.4		54
-M127	1					127	56	—	23.3	32	—			1.4	7	10.3		56
-240-M127	2				240		30	56			46		275	1.8	7.3	10.4		57
-SLFB4- 75-M 22	1	4	12	4	75	22	26	—	14.3	25	—	12	110	1	2.5	1.3	○	58
- 95-M 42					95	42			16.4				130	1.1	3	2.2		61
-105-M 22					105	22	56		14.3				140		2.7	1.8		59
-120-M 67					120	67	26		19				155		3.8	3.5		64
-125-M 42					125	42	56		16.4				160	1.2	3.1	2.9		62
-135-M 22	2				135	22	33	53	14.3		39		170	1.4	2.9	1.8		60
-150-M 67	1				150	67	56	—	19		—		185	1.2	4	4.7		65
-155-M 42	2				155	42	33	53	16.4		39		190	1.4	3.3	2.9		63
-180-M 67					180	67			19				215	1.5	4.2	4.7		66
-SLSA4- 90 CV	3	4	7	1.5	90	63	—	—	53	—	—	12	125	1.2	3.3	1.8	○	67
-120 CV					120	93							155	1.3	3.8	2.7		68
-150 CV					150	123							185	1.5	4.4	4		69
-180 CV					180	153							215		4.8	6.6		70
-210 CV					210	183							245	1.6	4.9	11.6		71
-240 CV					240	213							275	1.8	5.8	14		72
-SLRA4-120 CV	3	4	10	3	120	93	—	—	53	—	—	12	155	1.3	3.9	1.9	○	73
-150 CV					150	123							185	1.4	4.3	2.9		74
-180 CV					180	153							215	1.5	5.1	4.2		75
-210 CV					210	183							245	1.7	5.7	5.7		76

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT40-SLSA6- 95-M 42	1	6	9	1.5	95	42	26	—	13.4	25	—	18	130	1	3.3	4.8	○	77
-120-M 67					120	67			16				155	1.1	4.4	8		80
-125-M 42					125	42	56		13.4				160		3.5	5.6		78
-150-M 67					150	67			16				185	1.2	4.5	9.2		81
-M 97						97	26		19.2	32				1.1	5.9	11		83
-155-M 42	2				155	42	33	53	13.4	25	39		190	1.4	3.7	5.6		79
-180-M 67					180	67			16				215		4.7	9.2		82
-M 97	1					97	56	—	19.2	32	—			1.3	6.1	11.7		84
-210-M 97	2				210		30	56			46		245	1.7	6.4			85
-SLSB6- 95-M 42	1	6	10	2	95	42	26	—	14.4	25	—	18	130	1	4	3.6	○	86
-120-M 67					120	67			17				155	1.1	5.4	6.1		89
-125-M 42					125	42	56		14.4				160		4.1	4.5		87
-150-M 67					150	67			17				185	1.2	5.5	7.4		90
-M 97						97	26		20.2	32					7.2	8.5		92
-155-M 42	2				155	42	33	53	14.4	25	39		190	1.4	4.3	4.4		88
-180-M 67					180	67			17	25	39		215		5.7	7.4		91
-M 97	1					97	56	—	20.2	32	—			1.3	7.4	9.2		93
BT40 -M127						127	26		23.3					1.2	8.9	11		95
-210-M 97	2				210	97	30	56	20.2		46		245	1.7	7.7	9.2		94
-M127	1					127	56	—	23.3		—			1.4	9.1	12		96
-M157						157	26		26.5					1.3	10.6	13.2		98
-240-M127	2				240	127	30	56	23.3		46		275	1.8	9.4	12		97
-M157	1					157	56	—	26.5	36	—			1.7	10.8	14.5		99
-270-M157	2				270		30	56		32	46		305	1.9	11	14.6	▲	100
-SLRB6- 75-M 22	1	6	14	4	75	22	26	—	16.3	32	—	18	110	1.1	3.2	1	○	101
- 95-M 42					95	42			18.4				130		4.3	1.6		104
-105-M 22					105	22	56		16.3				140	1.2	3.3	1.2		102
-120-M 67					120	67	26		21				155		5.6	2.6		107
-125-M 42					125	42	56		18.4				160	1.3	4.4	1.9		105
-135-M 22	2				135	22	30	56	16.3		46		170	1.6	3.6	1.2		103
-150-M 67	1				150	67	56	—	21		—		185	1.3	5.8	3		108
-155-M 42	2				155	42	30	56	18.4		46		190	1.6	4.7	1.9		106
-180-M 67					180	67			21				215	1.7	6.1	3.1		109
-SLFB6- 75-M 22	1	6	14	4	75	22	26	—	16.3	32	—	18	110	1.1	3.2	1	○	110
- 95-M 42					95	42			18.4				130		4.3	1.6		113
-105-M 22					105	22	56		16.3				140	1.2	3.3	1.2		111
-120-M 67					120	67	26		21				155		5.6	2.6		116
-125-M 42					125	42	56		18.4				160	1.3	4.4	1.9		114
-135-M 22	2				135	22	30	56	16.3		46		170	1.6	3.6	1.2		112
-150-M 67	1				150	67	56	—	21		—		185	1.3	5.8	3		117
-155-M 42	2				155	42	30	56	18.4		46		190	1.6	4.7	1.9		115
-180-M 67					180	67			21				215	1.7	6.1	3.1		118
-SLSA6- 90 CV	3	6	9	1.5	90	63	—	—	53	—	—	18	125	1.2	3.3	1.6	○	119
-120 CV					120	93							155	1.3	3.8	2.3		120
-150 CV					150	123							185	1.5	4.3	3.6		121
-180 CV					180	153							215		4.9	5.7		122
-210 CV					210	183							245	1.7	5.7	7.3		123
-240 CV					240	213							275	1.8	5.9	12		124
-SLRA6- 90 CV	3	6	13	3.5	90	63	—	—	53	—	—	18	125	1.2	3.3	1.2	○	125
-120 CV					120	93							155	1.3	4	1.7		126
-150 CV					150	123							185	1.5	4.8	2.1		127
-180 CV					180	153							215	1.7	5.6	2.8		128
-210 CV					210	183							245		5.9	4.8		129
-SLFA6- 90 CV	3	6	13	3.5	90	63	—	—	53	—	—	18	125	1.2	3.3	1.2	○	130
-120 CV					120	93							155	1.3	4	1.7		131
-150 CV					150	123							185	1.5	4.8	2.1		132
-180 CV					180	153							215	1.7	5.6	2.8		133
-210 CV					210	183							245		5.9	4.8		134

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT40-SLSA8- 95-M 42	1	8	11	1.5	95	42	26	—	15.4	25	—	24	130	1	4.6	3.4	○	135
-120-M 67					120	67			18	32			155	1.1	6.3	5.4		138
-125-M 42					125	42	56		15.4	36			160	1.3	4.7	3.4		136
-150-M 67					150	67			18	32			185		6.5	5.9		139
-M 97						97	26		21.2					1.2	8.4	7.9		141
-155-M 42	2				155	42	33	53	15.4	25	39		190	1.4	5	4.3		137
-180-M 67					180	67	30	56	18	32	46		215	1.6	6.7	5.9		140
-M 97	1					97	56	—	21.2		—			1.3	8.6	8.7		142
-210-M 97	2				210		28	58		36	50		245	1.9	8.8	8.4		143
-SLSB8- 95-M 42	1	8	13	2.5	95	42	26	—	17.4	32	—	24	130	1.1	5.3	2.1	○	144
-120-M 67					120	67			20				155		7.4	3.5		147
-125-M 42					125	42	56		17.4	36			160	1.3	5.5	2.3		145
-150-M 67					150	67			20	32			185		7.6	4		148
-M 97						97	26		23.2					1.2	10	5.2		150
-155-M 42	2				155	42	30	56	17.4		46		190	1.6	5.7	2.5		146
-180-M 67					180	67			20				215	1.7	7.9	4		149
-M 97	1					97	56	—	23.2		—			1.4	10.2	6		151
-M127						127	26		26.3					1.3	12.6	7		153
-210-M 97	2				210	97	30	56	23.2		46		245	1.7	10.4	6		152
-M127	1					127	56	—	26.3	36	—			1.5	12.7	7.7		154
-M157						157	26		29.5					1.4	15.1	8.5		156
-240-M127	2				240	127	30	56	26.3	32	46		275	1.8	13	8.1	▲	155
-M157	1					157	56	—	29.5	42	—			1.7	15.3	8.6		157
-270-M157	2				270		28	58			53		305	2.2	15.6	8.7		158
-SLRB8- 75-M 22	1	8	18	5	75	22	26	—	20.3	32	—	24	110	1.1	3.6	0.7	×	159
- 95-M 42					95	42			22.4				130		5.3	1.1	○	162
-105-M 22					105	22	56		20.3				140	1.2	3.8	0.9	×	160
-120-M 67					120	67	26		25	36			155		7.5	1.7	○	165
-125-M 42					125	42	56		22.4	32			160	1.3	5.5	1.4		163
BT40 -135-M 22	2				135	22	30	56	20.3		46		170	1.6	4.1	1	×	161
-150-M 67	1				150	67	56	—	25		—		185	1.4	7.6	2.2	○	166
-155-M 42	2				155	42	30	56	22.4		46		190	1.7	5.8	1.5		164
-180-M 67					180	67			25				215	1.8	7.9	2.2		167
-SLFB8- 75-M 22	1	8	18	5	75	22	26	—	20.3	32	—	24	110	1.1	3.6	0.7	×	168
- 95-M 42					95	42			22.4				130		5.3	1.1	○	171
-105-M 22					105	22	56		20.3				140	1.2	3.8	0.9	×	169
-120-M 67					120	67	26		25				155		7.5	1.7	○	174
-125-M 42					125	42	56		22.4				160	1.3	5.5	1.4		172
-135-M 22	2				135	22	30	56	20.3		46		170	1.6	4.1	1	×	170
-150-M 67	1				150	67	56	—	25		—		185	1.4	7.6	2.2	○	175
-155-M 42	2				155	42	30	56	22.4		46		190	1.7	5.8	1.5		173
-180-M 67					180	67	28	58	25	36	50		215	1.9	7.9	2		176
-SLSA8- 90 CV	3	8	11	1.5	90	63	—	—	53	—	—	24	125	1.2	3.3	1.4	○	177
-120 CV					120	93							155	1.3	4	2		178
-150 CV					150	123							185	1.5	4.8	2.7		179
-180 CV					180	153							215	1.6	4.9	5		180
-210 CV					210	183							245	1.7	5.8	6.6		181
-240 CV					240	213							275	1.9	6.7	8.3		182
-SLRA8- 90 CV	3	8	16	4	90	63	—	—	53	—	—	24	125	1.2	3.8	0.7	○	183
-120 CV					120	93							155	1.4	4.2	1.2		184
-150 CV					150	123							185	1.6	4.9	1.8		185
-180 CV					180	153							215	1.7	5.7	2.6		186
-210 CV					210	183							245	1.8	6.5	3.5		187
-SLFA8- 90 CV	3	8	16	4	90	63	—	—	53	—	—	24	125	1.2	3.8	0.7	○	188
-120 CV					120	93							155	1.4	4.2	1.2		189
-150 CV					150	123							185	1.6	4.9	1.8		190
-180 CV					180	153							215	1.7	5.7	2.6		191
-210 CV					210	183							245	1.8	6.5	3.5		192

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT40-SLSA10- 95-M 42	1	10	13	1.5	95	42	26	—	17.4	25	—	30	130	1	5.5	2.6	○	193
-120-M 67					120	67			20	32			155	1.1	8.1	4		196
-125-M 42					125	42	56		17.4	25			160		5.7	3.6		194
-150-M 67					150	67			20	32			185	1.3	8.2	4.6		197
-M 97						97	26		23.2					1.2		6		199
-155-M 42	2				155	42	30	53	17.4	25	39		190	1.4	5.9	3.6		195
-180-M 67					180	67	28	58	20	36	50		215	1.8	8.5	4.4		198
-M 97	1					97	56	—	23.2	32	—			1.3		6.9		200
-210-M 97	2				210		30	56			46		245	1.7				201
-SLSB10- 95-M 42	1	10	16	3	95	42	26	—	20.4	32	—	30	130	1.1	6.3	1.4	○	202
-120-M 67					120	67			23				155	1.2	9.3	2.4		205
-125-M 42					125	42	56		20.4				160	1.3	6.4	1.8		203
-150-M 67					150	67			23				185		9.5	3		206
-M 97						97	26		26.2						13	3.6		208
-155-M 42	2				155	42	30	56	20.4		46		190	1.6	6.7	1.9		204
-180-M 67					180	67	30	56	23				215	1.7	9.8	3		207
BT40 -M 97	1					97	56	—	26.2		—			1.4	13.2	4.5		209
-M127						127	26		29.3	42					17.4			211
-210-M 97	2				210	97	30	56	26.2	32	46		245	1.8	13.5			210
-M127	1					127	56	—	29.3	50	—				17.9	4.7		212
-M157						157	26		32.5	42				1.5	21.1	5.6		214
-240-M127					240	127	86		29.3	50			275	2.1	18.5	5	▲	213
-M157						157	56		32.5					1.8	21.7	5.8		215
-270-M157	2				270		28	58		42	53		305	2.3	22.2	6.3		216
-SLRB10- 75-M 22	1	10	22	6	75	22	26	—	24.3	32	—	30	110	1.1	3.8	0.6	×	217
- 95-M 42					95	42			26.4				130	1.2	6.3	0.8	○	220
-105-M 22					105	22	56		24.3				140	1.3	4		×	218
-120-M 67					120	67	26		29	42			155		9.4	1.1	○	223
-125-M 42					125	42	56		26.4	32			160		6.5	1.2		221
-135-M 22	2				135	22	30	56	24.3		46		170	1.7	4.3	0.9	×	219
-150-M 67	1				150	67	56	—	29	42	—		185	1.5	9.6	1.3	○	224
-155-M 42	2				155	42	30	56	26.4	32	46		190	1.7	6.8			222
-180-M 67					180	67	28	58	29	42	53		215	2.1	9.8	1.4		225
-SLFB10- 75-M 22	1	10	22	6	75	22	26	—	24.3	32	—	30	110	1.1	3.8	0.6	×	226
- 95-M 42					95	42			26.4				130	1.2	6.3	0.8	○	229
-105-M 22					105	22	56		24.3				140	1.3	4		×	227
-120-M 67					120	67	26		29	42			155		9.4	1.1	○	232
-125-M 42					125	42	56		26.4	32			160		6.5	1.2		230
-135-M 22	2				135	22	30	56	24.3		46		170	1.7	4.3	0.9	×	228
-150-M 67	1				150	67	56	—	29	42	—		185	1.5	9.6	1.3	○	233
-155-M 42	2				155	42	28	58	26.4	36	50		190	1.9	6.8	1.1		231
-180-M 67					180	67			29				215	2	9.8	1.6		234
-SLSA10- 90 CV	3	10	13	1.5	90	63	—	—	53	—	—	30	125	1.2	3.3	1.8	○	235
-120 CV					120	93							155	1.5	4.3	1.3		236
-150 CV					150	123							185	1.6	4.9	2.2		237
-180 CV					180	153							215	1.7	5.6	3.4		238
-210 CV					210	183							245		6	6		239
-240 CV					240	213							275	2	7.9	5.8	▲	240
-SLRA10- 90 CV	3	10	19	4.5	90	63	—	—	53	—	—	30	125	1.3	3.8	0.7	×	241
-120 CV					120	93							155	1.4	4.6	0.9	○	242
-150 CV					150	123							185	1.6	5.4	1.4		243
-180 CV					180	153							215	1.8	6.3	2		244
-210 CV					210	183							245		7.2	3.1		245
-SLFA10- 90 CV	3	10	19	4.5	90	63	—	—	53	—	—	30	125	1.3	3.8	0.7	×	246
-120 CV					120	93							155	1.4	4.6	0.9	○	247
-150 CV					150	123							185	1.6	5.4	1.4		248
-180 CV					180	153							215	1.8	6.3	2		249
-210 CV					210	183							245		7.2	3.1		250

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg	N	S		Scale model
BT40-SLSA12- 95-M 42	1	12	15	1.5	95	42	26	—	19.4	32	—	30	130	1.1	7.1	1.8	○	251
-120-M 67					120	67			22				155		10.7	3.3		254
BT40 -125-M 42					125	42	56		19.4				160	1.2	7.3	2.3		252
-150-M 67					150	67			22	36			185	1.4	10.9	3.6		255
-M 97						97	26		25.2	32				1.2	15.3	4.9		257
-155-M 42	2				155	42	30	56	19.4		46		190	1.6	7.5	2.3		253
-180-M 67					180	67			22				215	1.7	11.2	3.9		256
-M 97	1					97	56	—	25.2		—			1.4	15.5	5.8		258
-210-M 97	2				210		30	56			46		245	1.7	15.8			259
-SLSB12- 95-M 42	1	12	19	3.5	95	42	26	—	23.4	32	—	30	130	1.1	8	1.1	○	260
-120-M 67					120	67			26				155	1.2	12.2	1.8		263
-125-M 42					125	42	56		23.4				160	1.3	8.2	1.5		261
-150-M 67					150	67			26	32			185		12.4	2.5		264
-M 97						97	26		29.2	42					17.9	2.4		266
-155-M 42	2				155	42	30	56	23.4	32	46		190	1.7	8.4	1.6		262
-180-M 67					180	67	28	58	26	36	50		215	1.9	12.6	2.2		265
-M 97	1					97	56	—	29.2	50	—			1.7	18.4	2.6		267
-M127						127	26		32.3	42				1.5	22.9	3.3		269
-210-M 97					210	97	86		29.2	50			245	2.1	19	2.9		268
-M127						127	56		32.3					1.9	23.5	3.5		270
-M157						157	26		35.5	42				1.7	27.9	4.1		272
-240-M127					240	127	86		32.3	50			275	2.2	24	3.8	▲	271
-M157						157	56		35.5					2	28.5	4.4		273
-270-M157					270		86						305	2.4	29.1	4.8		274
-SLRB12- 75-M 22	1	12	26	7	75	22	26	—	28.3	42	—	30	110	1.2	6.9	0.4	×	275
- 95-M 42					95	42			30.4				130		8.7	0.6		278
-105-M 22					105	22	56		28.3				140	1.4	7.5	0.5		276
-120-M 67					120	67	26		33	50			155		12.9	0.8		281
-125-M 42					125	42	56		30.4				160	1.6	9.3	0.6		279
-135-M 22					135	22	86		28.3				170	1.8	8.1			277
-150-M 67					150	67	56		33	42			185	1.6	13.5	1.1		282
-155-M 42	2				155	42	28	58	30.4		53		190	2	9.9	0.8		280
-180-M 67					180	67			33				215	2.1	14.1	1.1		283
-SLFB12- 75-M 22	1	12	26	7	75	22	26	—	28.3	42	—	30	110	1.2	6.9	0.4	×	284
- 95-M 42					95	42			30.4				130		8.7	0.6		287
-105-M 22					105	22	56		28.3				140	1.4	7.5	0.5		285
-120-M 67					120	67	26		33				155		12.9	0.8		290
-125-M 42					125	42	56		30.4				160	1.5	9.3	0.7		288
-135-M 22	2				135	22	28	58	28.3		53		170	1.9	8.1	0.6		286
-150-M 67	1				150	67	56	—	33		—		185	1.6	13.5	1.1		291
-155-M 42					155	42	86		30.4	50			190	2	9.9	0.8		289
-180-M 67					180	67			33				215	2.1	14.1	1.1		292
-SLSA12- 90 CV	3	12	15	1.5	90	63	—	—	53	—	—	30	125	1.3	3.7	1.5	○	293
-120 CV					120	93							155	1.5	4.6	1.2		294
-150 CV					150	123							185		4.9	2.4		295
-180 CV					180	153							215	1.7	5.7	3.3		296
-210 CV					210	183							245	1.9	6.6	4.6		297
-240 CV					240	213							275	2	8	5.5	▲	298
-SLRA12- 90 CV	3	12	22	5	90	63	—	—	53	—	—	30	125	1.3	3.9	0.6	×	299
-120 CV					120	93							155	1.6	5.1	0.7		300
-150 CV					150	123							185	1.7	6	1.1	○	301
-180 CV					180	153							215		6.9	1.9		302
-210 CV					210	183							245	1.8	7.7	2.8		303
-SLFA12- 90 CV	3	12	22	5	90	63	—	—	53	—	—	30	125	1.3	3.9	0.6	×	304
-120 CV					120	93							155	1.6	5.1	0.7		305
-150 CV					150	123							185	1.7	6	1.1	○	306
-180 CV					180	153							215		6.9	1.9		307
-210 CV					210	183							245	1.8	7.7	2.8		308

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S	Scale model
BT40-SLSB16- 95-M 42	1	16	24	4	95	42	26	—	28.4	42	—	32	105	1.2	12.4	0.7	309
-120-M 67					120	67			31				130	1.3	19.3	1.1	312
-125-M 42					125	42	56		28.4				135	1.4	13	0.9	310
-150-M 67					150	67			31				160	1.5	19.8	1.4	313
-M 97						97	26		34.2	42				1.4	27.6	1.7	315
-155-M 42	2				155	42	28	58	28.4		53		165	1.9	13.5	1	311
-180-M 67					180	67			31				190	2	20.4	1.5	314
-M 97	1					97	56	—	34.2	50	—			1.8	28.1	1.9	316
-M127						127	26		37.3	53				1.7	35.8	2.1	318
-210-M 97					210	97	86		34.2	50			220	2.1	28.7		317
-M127						127	56		37.3					2	36.4	2.5	319
-M157						157	26		40.5	53				1.9	44.1	2.7	321
-240-M127					240	127	86		37.3				250	2.5	37	2.6	320
-M157						157	56		40.5	50				2.2	44.7	3.1	322
-270-M157					270		86						280	2.5	45.3	3.5	323
-SLRB16- 75-M 22	1	16	32	8	75	22	26	—	34.3	42	—	32	85	1.2	6.9	0.3	324
- 95-M 42					95	42			36.4				105	1.3	12.5	0.5	327
-105-M 22					105	22	56		34.3				115	1.4	7.5		325
-120-M 67					120	67	26		39				130	1.5	19.4	0.7	330
-125-M 42					125	42	56		36.4				135	1.6	13		328
-135-M 22	2				135	22	28	58	34.3		53		145	2	8.1	0.5	326
-150-M 67	1				150	67	56	—	39		—		160	1.7	20	0.9	331
-155-M 42	2				155	42	28	58	36.4		53		165	2.1	13.6	0.7	329
-180-M 67					180	67			39				190	2.3	20.5	1	332
-SLFB16- 75-M 22	1	16	32	8	75	22	26	—	34.3	42	—	32	85	1.2	6.9	0.3	333
- 95-M 42					95	42			36.4				105	1.3	12.5	0.5	336
-105-M 22					105	22	56		34.3				115	1.4	7.5		334
-120-M 67					120	67	26		39				130	1.5	19.4	0.7	339
-125-M 42					125	42	56		36.4				135	1.6	13		337
-135-M 22					135	22	86		34.3	50			145	1.9	8.1	0.5	335
-150-M 67					150	67	56		39	42			160	1.7	20	0.9	340
-155-M 42					155	42	86		36.4	50			165	2	13.6	0.7	338
-180-M 67					180	67			39				190	2.2	20.5	1	341
-SLSB16- 90 CV	3	16	21	2.5	90	63	—	—	53	—	—	32	100	1.3	4.2	0.6	342
-120 CV					120	93							130	1.5	5.5	0.8	343
-150 CV					150	123							160	1.6	6.2	1.5	344
-180 CV					180	153							190	1.9	7.5	1.9	345
-210 CV					210	183							220	2	8.2	3	346
-240 CV					240	213							250	2.2	9.5	3.7	347
BT40-SLSB20- 95-M 42	1	20	29	4.5	95	42	26	—	33.4	42	—	40	105	1.2	14.2	0.6	348
-120-M 67					120	67			36				130	1.3	24.5	0.9	351
-125-M 42					125	42	56		33.4				135	1.5	14.8	0.8	349
-150-M 67					150	67			36				160	1.6	25	1.2	352
-M 97						97	26		39.2	53					36.8	1.2	354
-155-M 42	2				155	42	28	58	33.4	42	53		165	2	15.3	0.9	350
-180-M 67	1				180	67	86	—	36	50	—		190		25.6	1.2	353
-M 97						97	56		39.2					1.9	37.4	1.4	355
-M127						127	26		42.3	53				1.8	50	1.6	357
-210-M 97					210	97	86		39.2	50			220	2.2	38	1.7	356
-M127						127	56		42.3					2.1	50.5	1.9	358
-M157						157	26		45.5					2	62.3	2.1	360
-240-M127					240	127	86		42.3				250	2.4	51.1	2.3	359
-M157						157	56		45.5						62.9	2.4	361
-270-M157					270		86						280	2.7	63.5	2.9	362

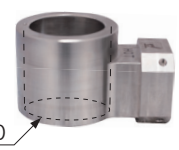
CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S	Scale model
BT40-SLRB20- 95-M 42	1	20	38	9	95	42	26	—	42.4	53	—	40	105	1.5	14.3	0.4	363
-120-M 67					120	67			45				130	1.7	24.6	0.5	366
-125-M 42					125	42	56		42.4				135	1.9	14.9		364
-150-M 67					150	67			45	50			160	2	25.2	0.7	367
-155-M 42					155	42	86		42.4	53			165	2.2	15.4	0.6	365
-180-M 67					180	67			45	50			190	2.3	25.7	0.9	368
-SLFB20- 95-M 42	1	20	38	9	95	42	26	—	42.4	53	—	40	105	1.5	14.3	0.4	369
-120-M 67					120	67			45				130	1.7	24.6	0.5	372
-125-M 42					125	42	56		42.4				135	1.9	14.9		370
-150-M 67					150	67			45	50			160	2	25.2	0.7	373
-155-M 42					155	42	86		42.4				165	2.1	15.4		371
-180-M 67					180	67			45				190	2.3	25.7	0.9	374
-SLSB20- 90 CV	3	20	26	3	90	63	—	—	50.5	—	—	40	100	1.3	4.4	0.5	375
-120 CV					120	93			53				130	1.5	5.8	0.8	376
-150 CV					150	123							160	1.6	6.7	1.3	377
-180 CV					180	153							190	1.9	8	1.8	378
-210 CV					210	183							220	2.1	9.4	2.3	379
-240 CV					240	213							250	2.4	10.7	3	380
BT40-SLRB25- 95-M 42	1	25	45	10	95	42	26	—	49.4	53	—	45	105	1.5	16.4	0.3	381
-125-M 42					125		56						135	1.9	17	0.4	382
-155-M 42					155		86						165	2.3	17.5	0.6	383
-SLFB25- 95-M 42	1	25	45	10	95	42	26	—	49.4	53	—	45	105	1.5	16.4	0.3	384
-125-M 42					125		56						135	1.9	17	0.4	385
-155-M 42					155		86						165	2.3	17.5	0.6	386
BT40-SLRB32- 95-M 42	1	32	54	11	95	42	26	—	58.4	63	—	50	87	1.8	4.7	0.3	387

NEW

φ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70



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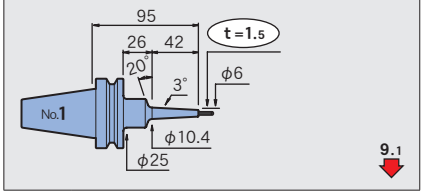
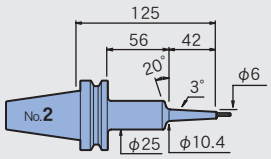
ϕ3

BT40-SLSA3-95-M42



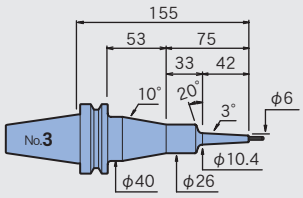
9.1

BT40-SLSA3-125-M42



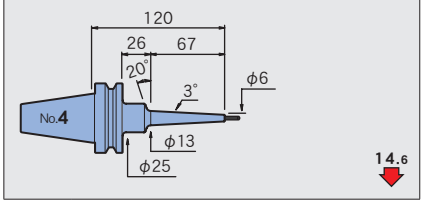
9.7

BT40-SLSA3-155-M42



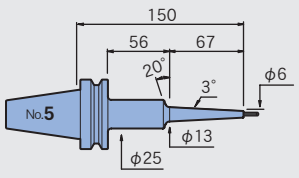
9.9

BT40-SLSA3-120-M67



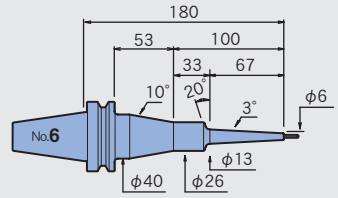
14.6

BT40-SLSA3-150-M67



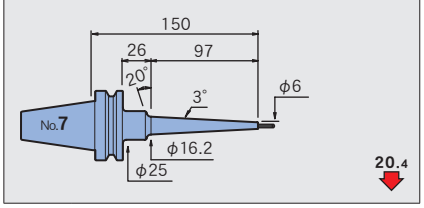
15.7

BT40-SLSA3-180-M67



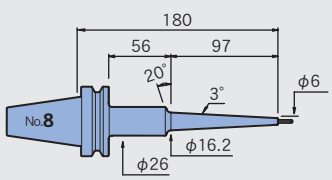
15.8

BT40-SLSA3-150-M97



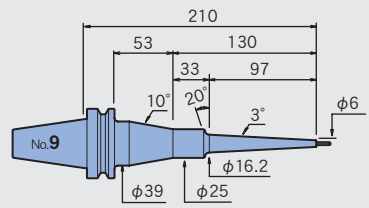
20.4

BT40-SLSA3-180-M97



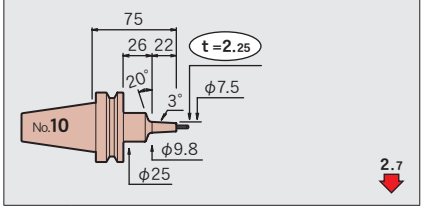
22.2

BT40-SLSA3-210-M97



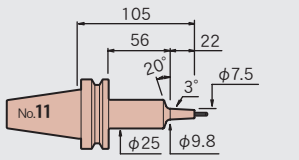
22.1

BT40-SLRA3-75-M22



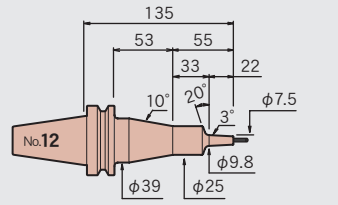
2.7

BT40-SLRA3-105-M22



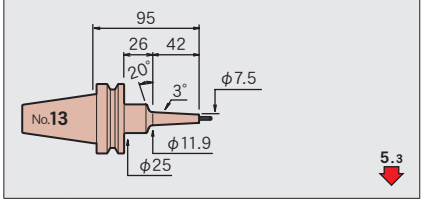
3.2

BT40-SLRA3-135-M22



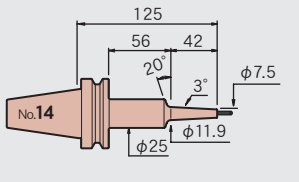
3.2

BT40-SLRA3-95-M42



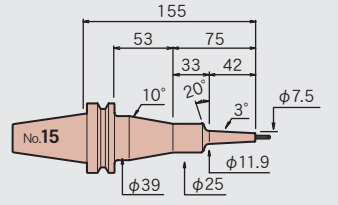
5.3

BT40-SLRA3-125-M42



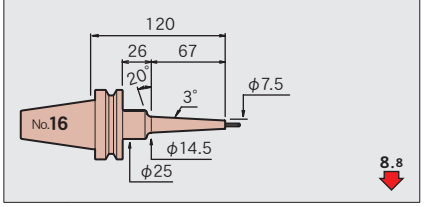
6.0

BT40-SLRA3-155-M42



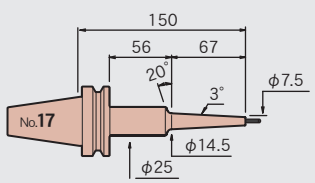
6.0

BT40-SLRA3-120-M67



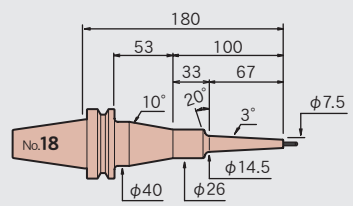
8.8

BT40-SLRA3-150-M67



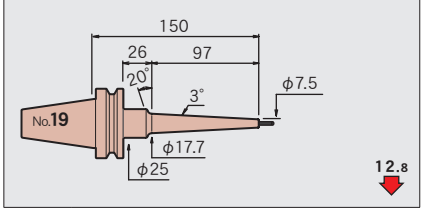
14.5

BT40-SLRA3-180-M67



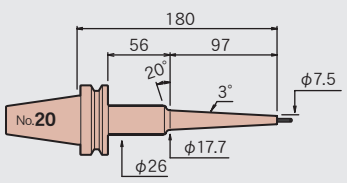
9.8

BT40-SLRA3-150-M97



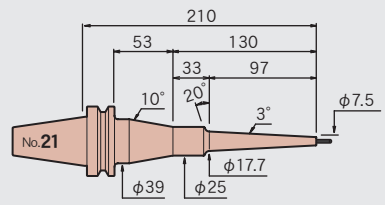
12.8

BT40-SLRA3-180-M97



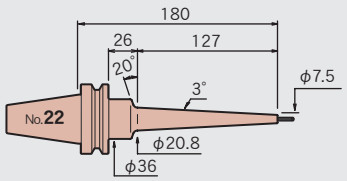
14.3

BT40-SLRA3-210-M97



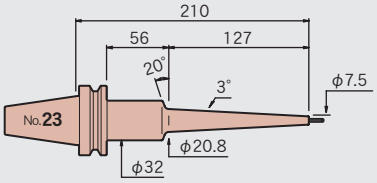
14.4

BT40-SLRA3-180-M127



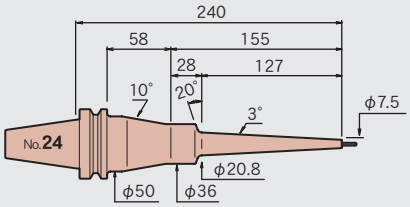
15.7

BT40-SLRA3-210-M127



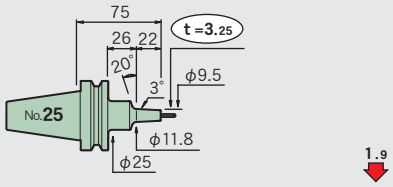
16.5

BT40-SLRA3-240-M127



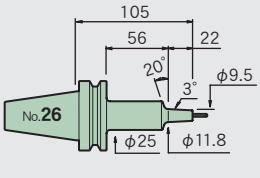
16.3

BT40-SLFB3-75-M22



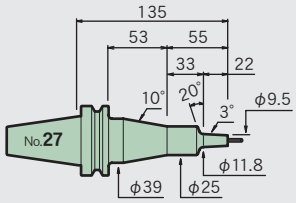
1.9

BT40-SLFB3-105-M22



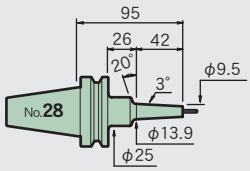
2.3

BT40-SLFB3-135-M22



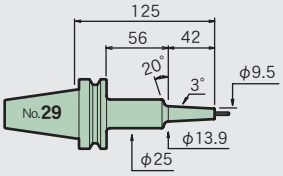
2.3

BT40-SLFB3-95-M42



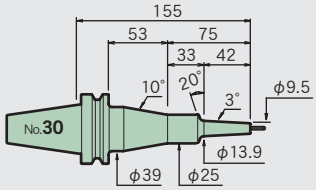
3.2

BT40-SLFB3-125-M42



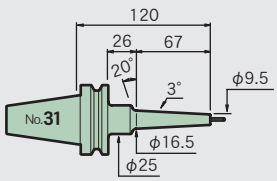
3.8

BT40-SLFB3-155-M42



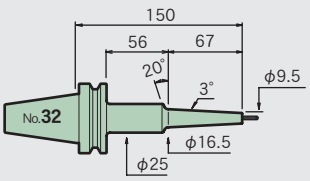
3.9

BT40-SLFB3-120-M67



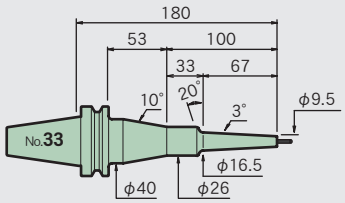
5.3

BT40-SLFB3-150-M67



6.4

BT40-SLFB3-180-M67

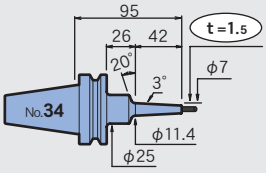


6.3

BT40 S=1:7

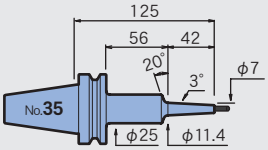
φ4

BT40-SLSA4-95-M42



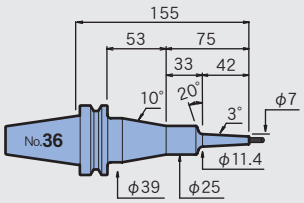
7.1

BT40-SLSA4-125-M42



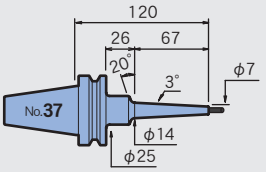
7.9

BT40-SLSA4-155-M42



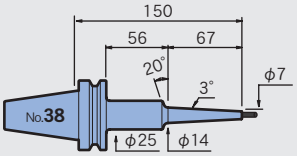
7.9

BT40-SLSA4-120-M67



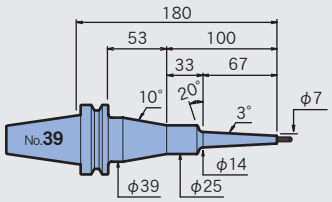
11.7

BT40-SLSA4-150-M67



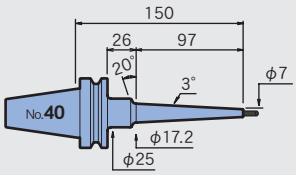
12.8

BT40-SLSA4-180-M67



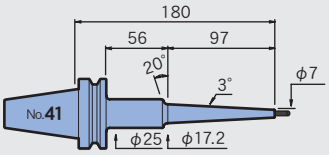
12.8

BT40-SLSA4-150-M97



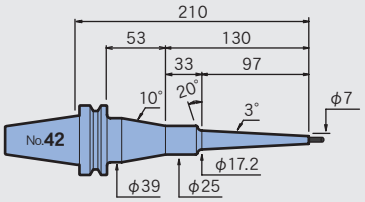
16.5

BT40-SLSA4-180-M97



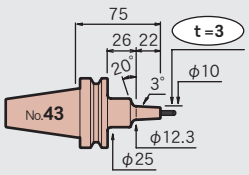
18.3

BT40-SLSA4-210-M97



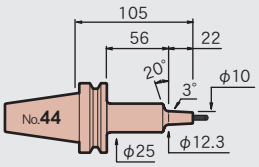
18.2

BT40-SLRA4-75-M22



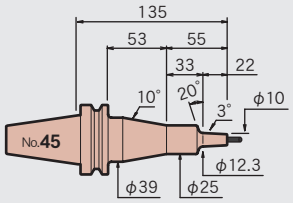
1.7

BT40-SLRA4-105-M22



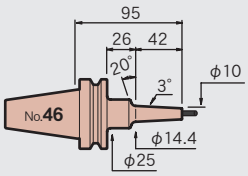
2.2

BT40-SLRA4-135-M22



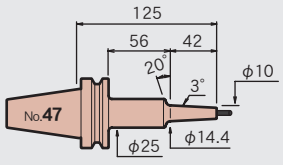
2.2

BT40-SLRA4-95-M42



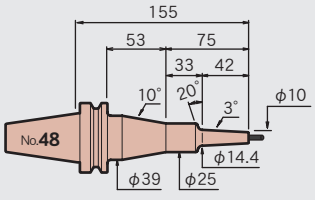
3.1

BT40-SLRA4-125-M42



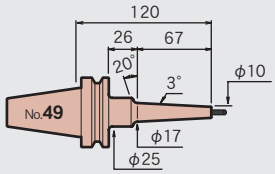
3.8

BT40-SLRA4-155-M42



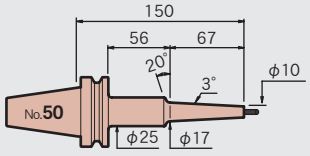
3.8

BT40-SLRA4-120-M67



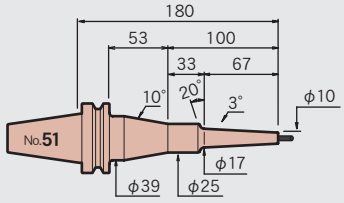
5.1

BT40-SLRA4-150-M67



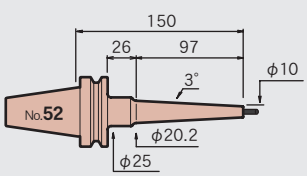
6.3

BT40-SLRA4-180-M67



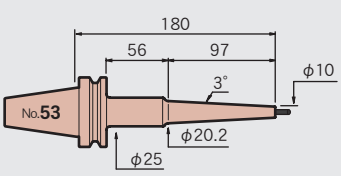
6.2

BT40-SLRA4-150-M97



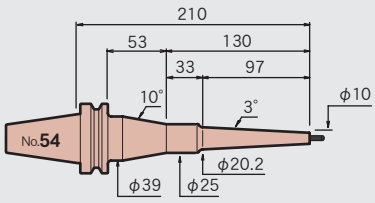
7.7

BT40-SLRA4-180-M97



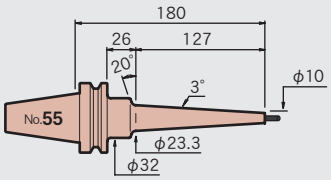
9.5

BT40-SLRA4-210-M97



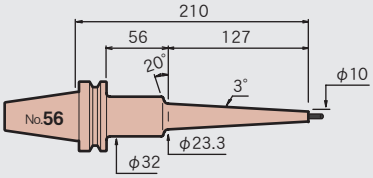
9.4

BT40-SLRA4-180-M127



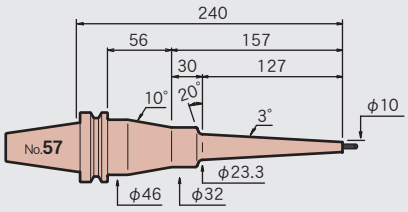
9.3

BT40-SLRA4-210-M127



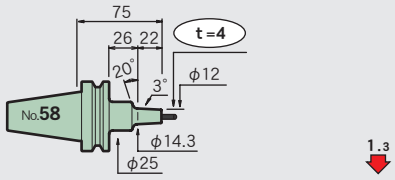
10.3

BT40-SLRA4-240-M127



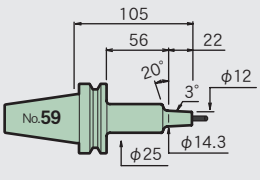
10.4

BT40-SLFB4-75-M22



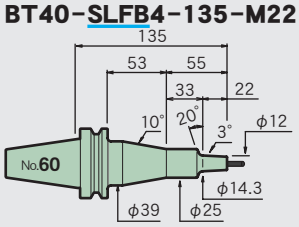
1.3

BT40-SLFB4-105-M22



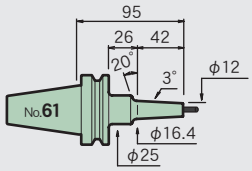
1.8

BT40-SLFB4-135-M22



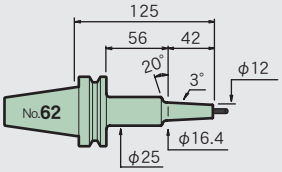
1.8

BT40-SLFB4-95-M42



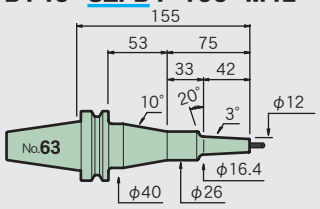
2.2

BT40-SLFB4-125-M42



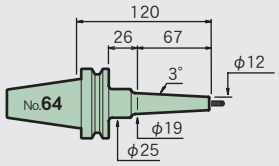
2.9

BT40-SLFB4-155-M42



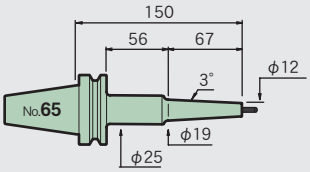
2.9

BT40-SLFB4-120-M67



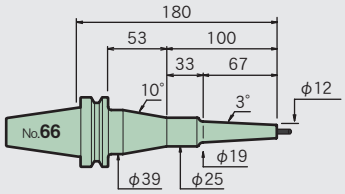
3.5

BT40-SLFB4-150-M67



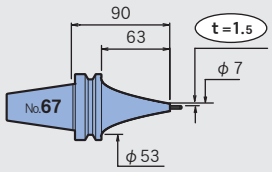
4.7

BT40-SLFB4-180-M67



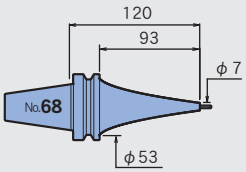
4.7

BT40-SLSA4-90 CV



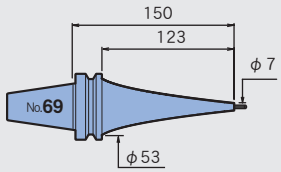
1.8

BT40-SLSA4-120 CV



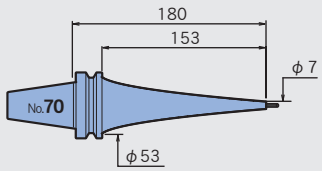
2.7

BT40-SLSA4-150 CV



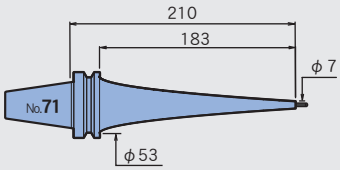
4.0

BT40-SLSA4-180 CV



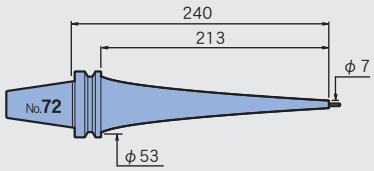
6.6

BT40-SLSA4-210 CV



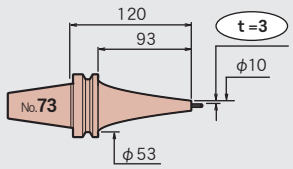
11.6

BT40-SLSA4-240 CV



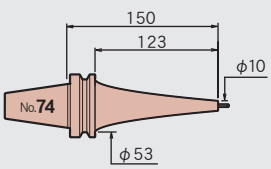
14.0

BT40-SLRA4-120 CV



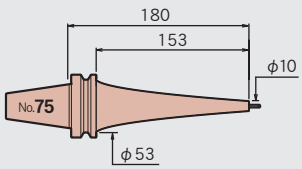
1.9

BT40-SLRA4-150 CV



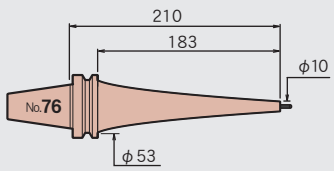
2.9

BT40-SLRA4-180 CV



4.2

BT40-SLRA4-210 CV

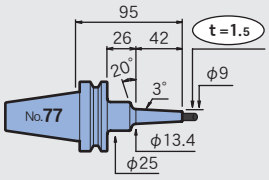


5.7

BT40 S=1:7

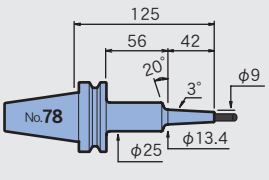
φ6

BT40-SLSA6-95-M42



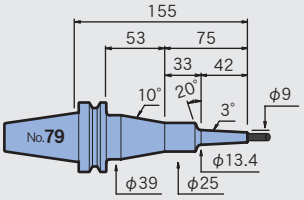
4.8

BT40-SLSA6-125-M42



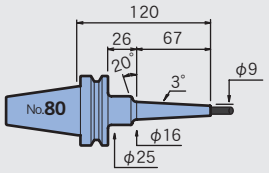
5.6

BT40-SLSA6-155-M42



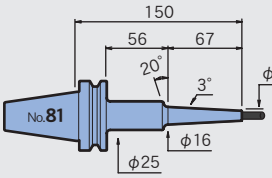
5.6

BT40-SLSA6-120-M67



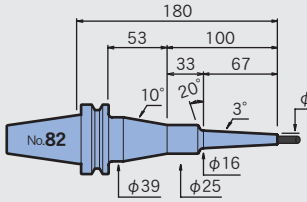
8.0

BT40-SLSA6-150-M67



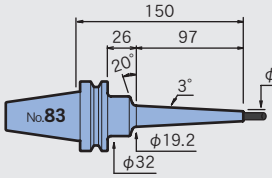
9.2

BT40-SLSA6-180-M67



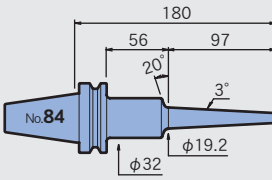
9.2

BT40-SLSA6-150-M97



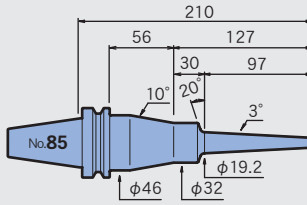
11.0

BT40-SLSA6-180-M97



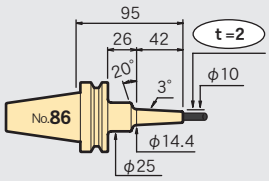
11.7

BT40-SLSA6-210-M97



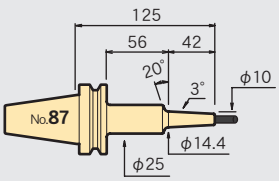
11.7

BT40-SLSB6-95-M42



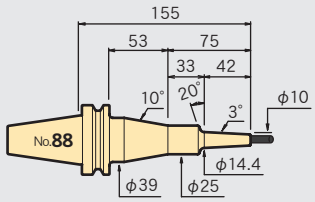
3.6

BT40-SLSB6-125-M42



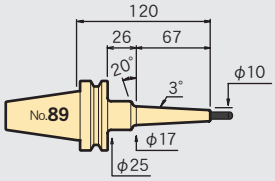
4.5

BT40-SLSB6-155-M42



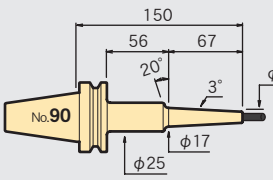
4.4

BT40-SLSB6-120-M67



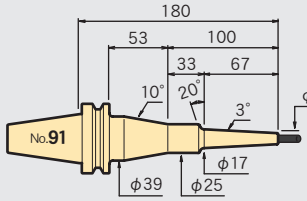
6.1

BT40-SLSB6-150-M67



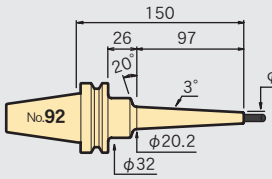
7.4

BT40-SLSB6-180-M67



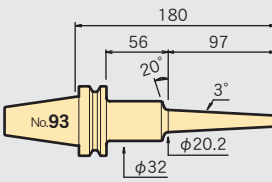
7.4

BT40-SLSB6-150-M97



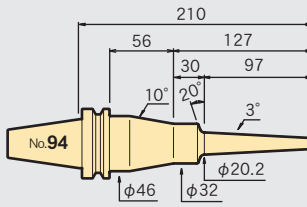
8.5

BT40-SLSB6-180-M97



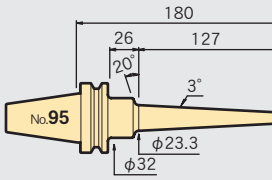
9.2

BT40-SLSB6-210-M97



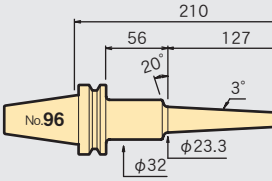
9.2

BT40-SLSB6-180-M127



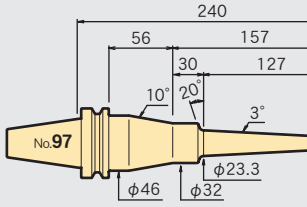
11.0

BT40-SLSB6-210-M127



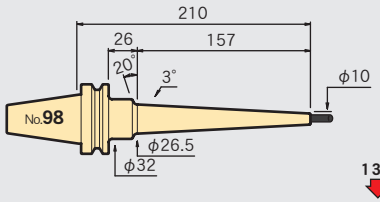
12.0

BT40-SLSB6-240-M127



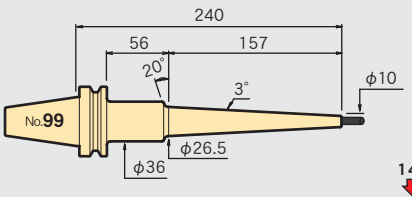
12.0

BT40-SLSB6-210-M157



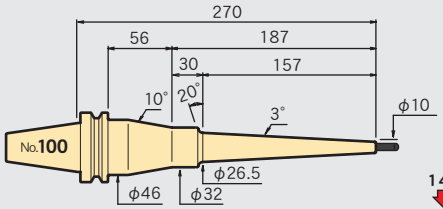
13.2

BT40-SLSB6-240-M157



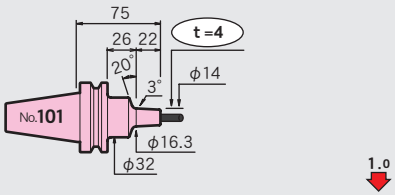
14.5

BT40-SLSB6-270-M157



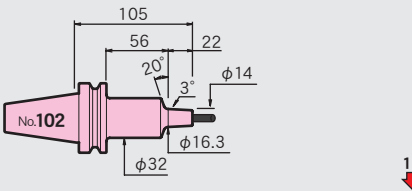
14.6

BT40-SLRB6-75-M22



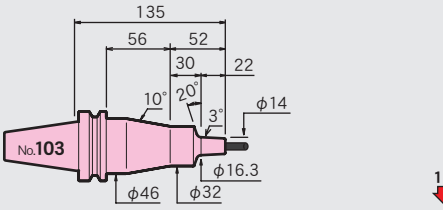
1.0

BT40-SLRB6-105-M22



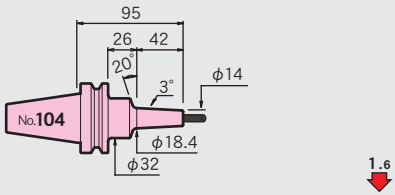
1.2

BT40-SLRB6-135-M22



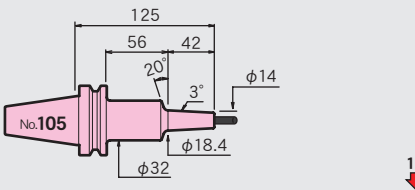
1.2

BT40-SLRB6-95-M42



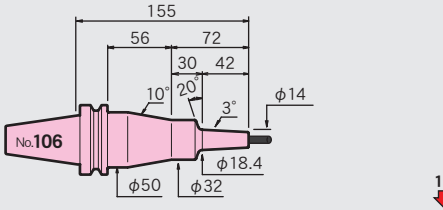
1.6

BT40-SLRB6-125-M42



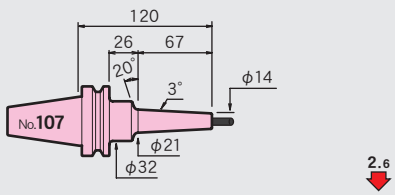
1.9

BT40-SLRB6-155-M42



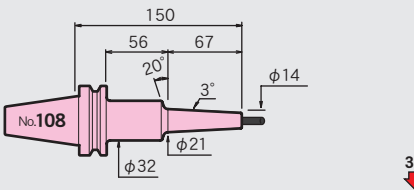
1.9

BT40-SLRB6-120-M67



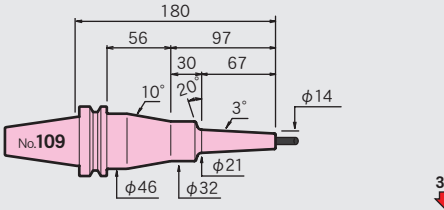
2.6

BT40-SLRB6-150-M67



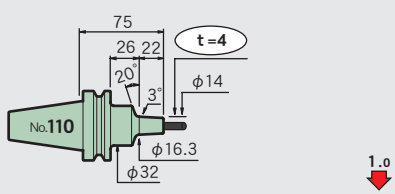
3.0

BT40-SLRB6-180-M67



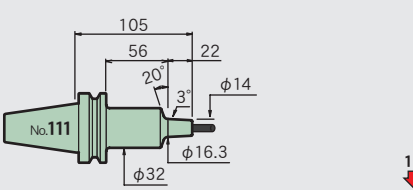
3.1

BT40-SLFB6-75-M22



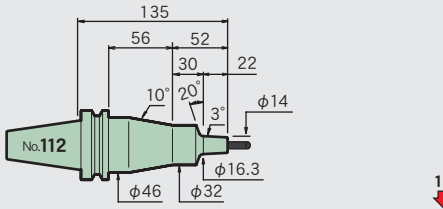
1.0

BT40-SLFB6-105-M22



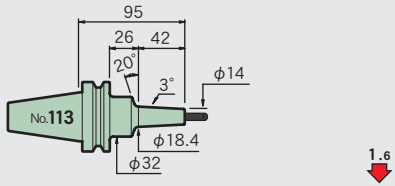
1.2

BT40-SLFB6-135-M22



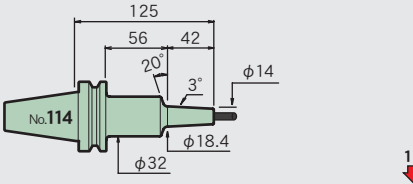
1.2

BT40-SLFB6-95-M42



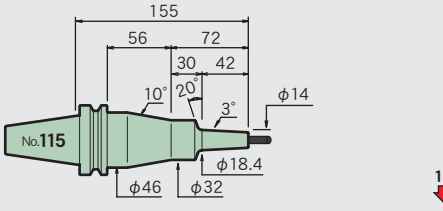
1.6

BT40-SLFB6-125-M42



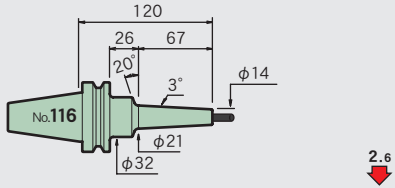
1.9

BT40-SLFB6-155-M42



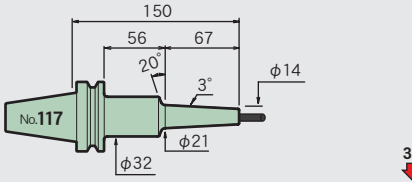
1.9

BT40-SLFB6-120-M67



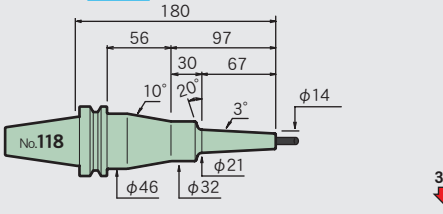
2.6

BT40-SLFB6-150-M67



3.0

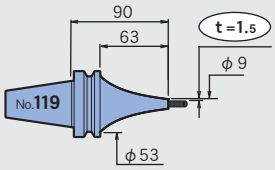
BT40-SLFB6-180-M67



3.1

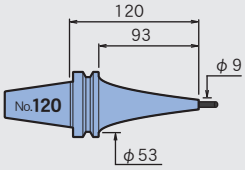
BT40 S=1:7

BT40-SLSA6-90 CV



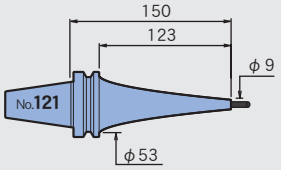
1.6

BT40-SLSA6-120 CV



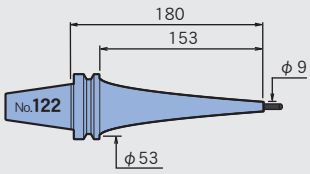
2.3

BT40-SLSA6-150 CV



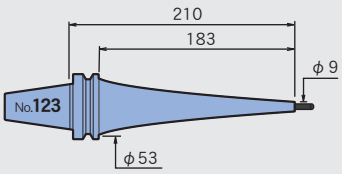
3.6

BT40-SLSA6-180 CV



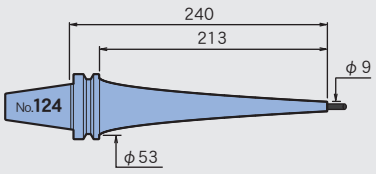
5.7

BT40-SLSA6-210 CV



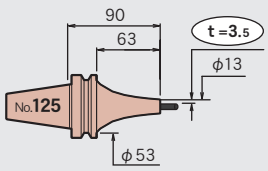
7.3

BT40-SLSA6-240 CV



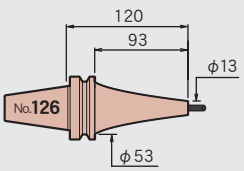
12.0

BT40-SLRA6-90 CV



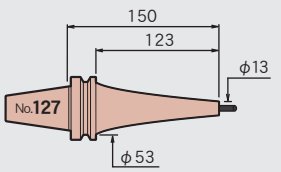
1.2

BT40-SLRA6-120 CV



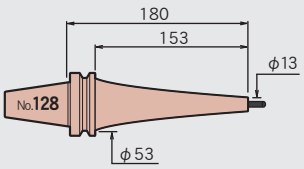
1.7

BT40-SLRA6-150 CV



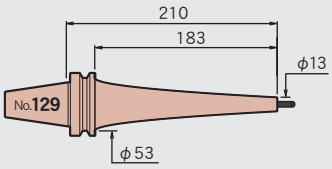
2.1

BT40-SLRA6-180 CV



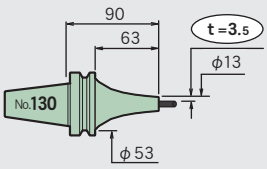
2.8

BT40-SLRA6-210 CV



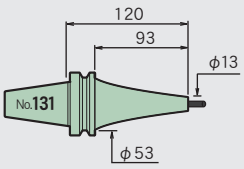
4.8

BT40-SLFA6-90 CV



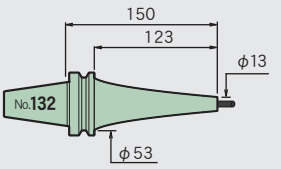
1.2

BT40-SLFA6-120 CV



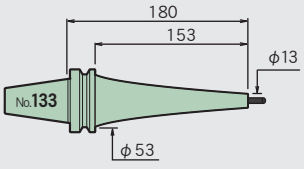
1.7

BT40-SLFA6-150 CV



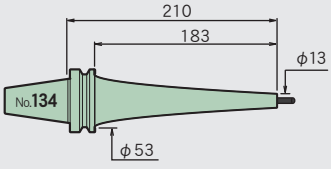
2.1

BT40-SLFA6-180 CV



2.8

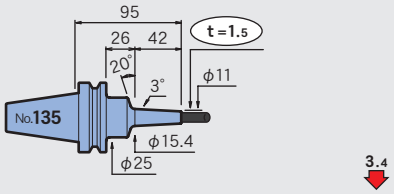
BT40-SLFA6-210 CV



4.8

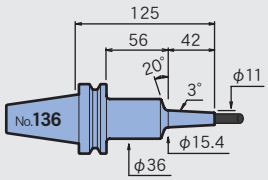
ϕ8

BT40-SLSA8-95-M42



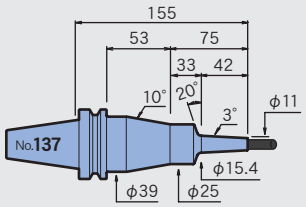
3.4

BT40-SLSA8-125-M42



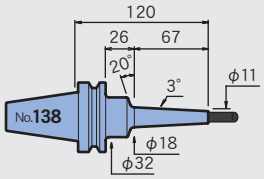
3.4

BT40-SLSA8-155-M42



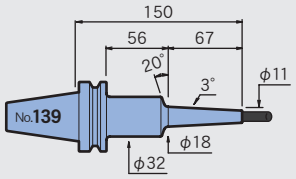
4.3

BT40-SLSA8-120-M67



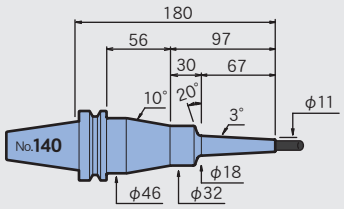
5.4

BT40-SLSA8-150-M67



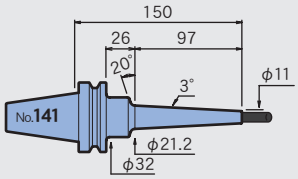
5.9

BT40-SLSA8-180-M67



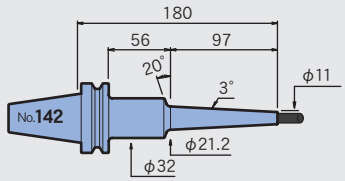
5.9

BT40-SLSA8-150-M97



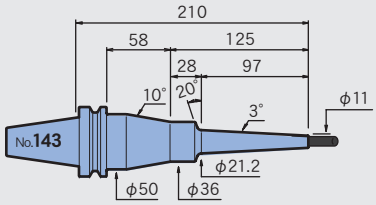
7.9

BT40-SLSA8-180-M97



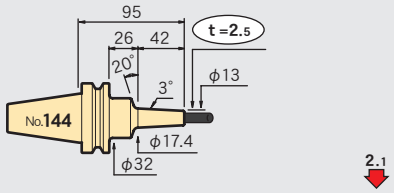
8.7

BT40-SLSA8-210-M97



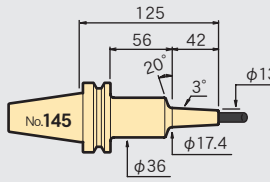
8.4

BT40-SLSB8-95-M42



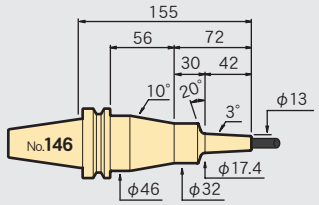
2.1

BT40-SLSB8-125-M42



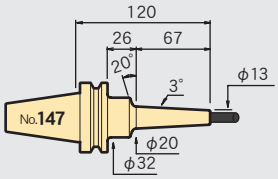
2.3

BT40-SLSB8-155-M42



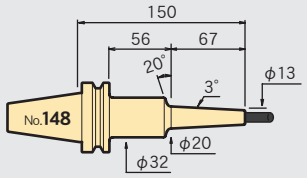
2.5

BT40-SLSB8-120-M67



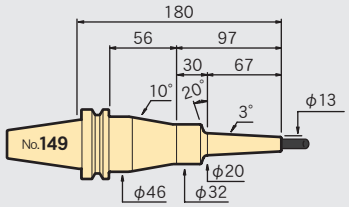
3.5

BT40-SLSB8-150-M67



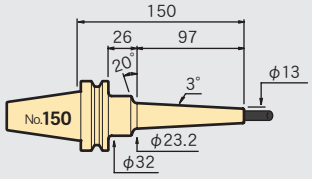
4.0

BT40-SLSB8-180-M67



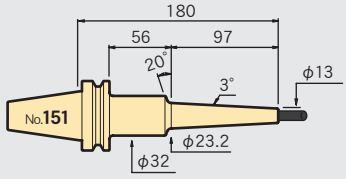
4.0

BT40-SLSB8-150-M97



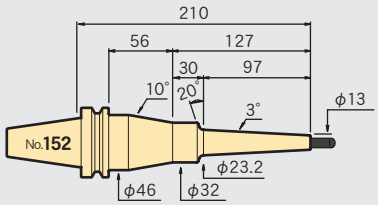
5.2

BT40-SLSB8-180-M97



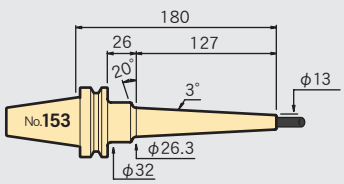
6.0

BT40-SLSB8-210-M97



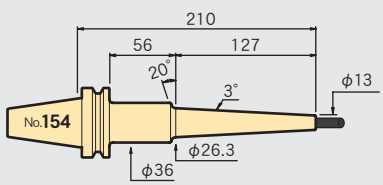
6.0

BT40-SLSB8-180-M127



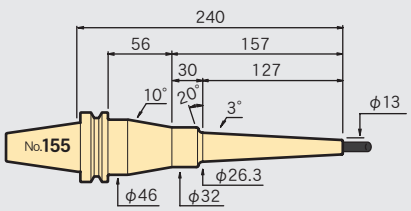
7.0

BT40-SLSB8-210-M127



7.7

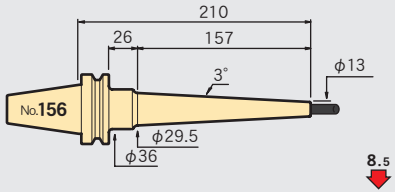
BT40-SLSB8-240-M127



8.1

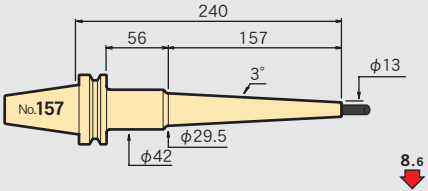
BT40 S=1:7

BT40-SLSB8-210-M157



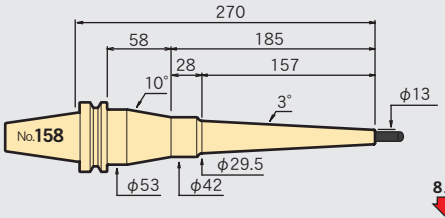
8.5

BT40-SLSB8-240-M157



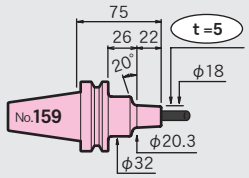
8.6

BT40-SLSB8-270-M157



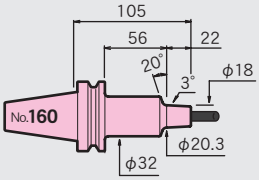
8.7

BT40-SLRB8-75-M22



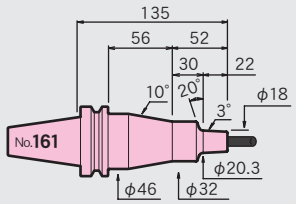
0.7

BT40-SLRB8-105-M22



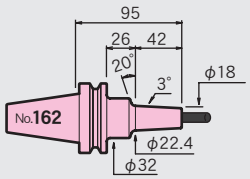
0.9

BT40-SLRB8-135-M22



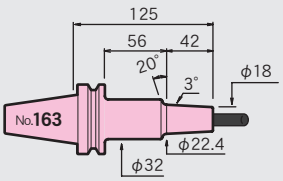
1.0

BT40-SLRB8-95-M42



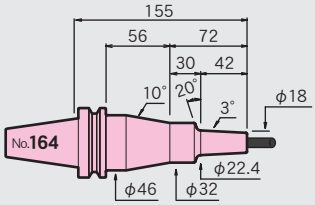
1.1

BT40-SLRB8-125-M42



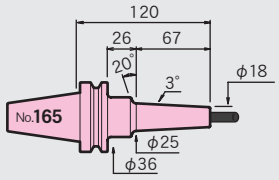
1.4

BT40-SLRB8-155-M42



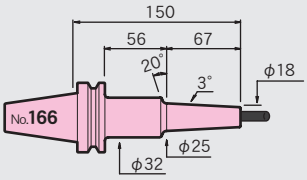
1.5

BT40-SLRB8-120-M67



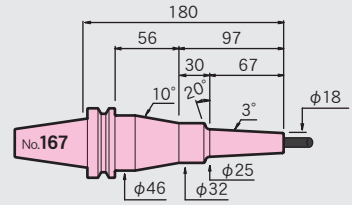
1.7

BT40-SLRB8-150-M67



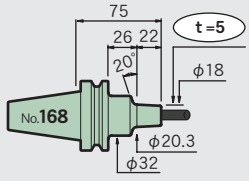
2.2

BT40-SLRB8-180-M67



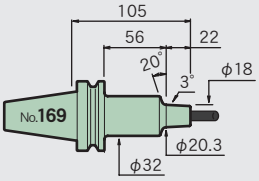
2.2

BT40-SLFB8-75-M22



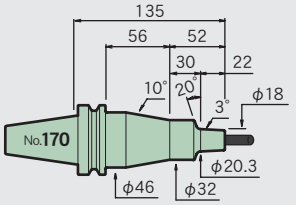
0.7

BT40-SLFB8-105-M22



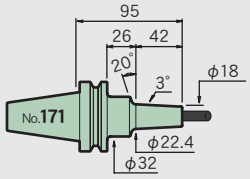
0.9

BT40-SLFB8-135-M22



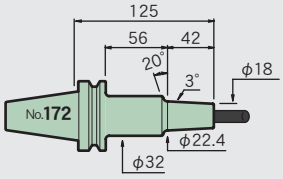
1.0

BT40-SLFB8-95-M42



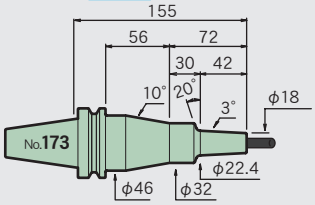
1.1

BT40-SLFB8-125-M42



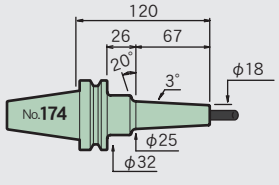
1.4

BT40-SLFB8-155-M42



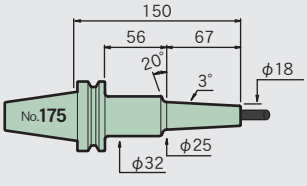
1.5

BT40-SLFB8-120-M67



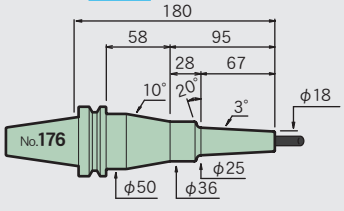
1.7

BT40-SLFB8-150-M67



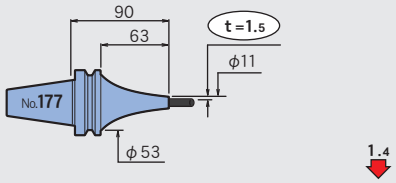
2.2

BT40-SLFB8-180-M67



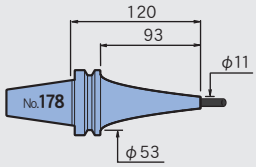
2.0

BT40-SLSA8-90 CV



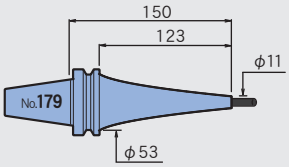
1.4

BT40-SLSA8-120 CV



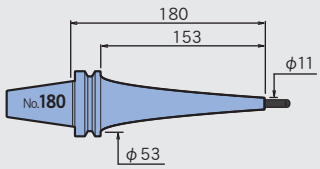
2.0

BT40-SLSA8-150 CV



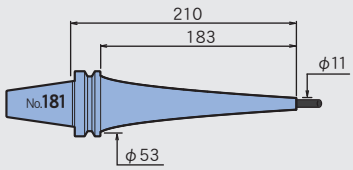
2.7

BT40-SLSA8-180 CV



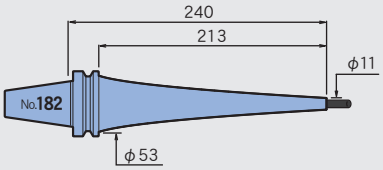
5.0

BT40-SLSA8-210 CV



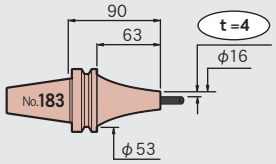
6.6

BT40-SLSA8-240 CV



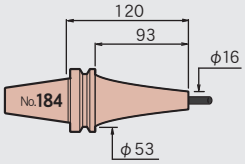
8.3

BT40-SLRA8-90 CV



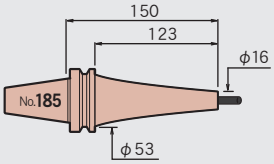
0.7

BT40-SLRA8-120 CV



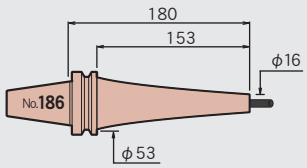
1.2

BT40-SLRA8-150 CV



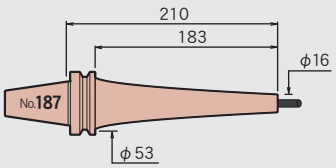
1.8

BT40-SLRA8-180 CV



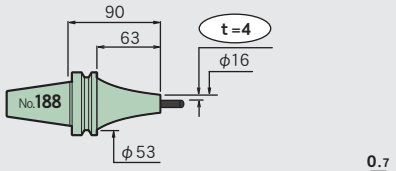
2.6

BT40-SLRA8-210 CV



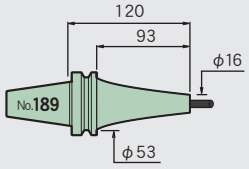
3.5

BT40-SLFA8-90 CV



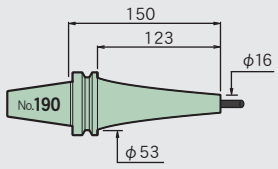
0.7

BT40-SLFA8-120 CV



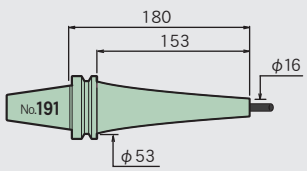
1.2

BT40-SLFA8-150 CV



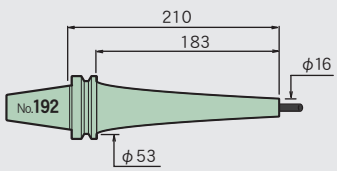
1.8

BT40-SLFA8-180 CV



2.6

BT40-SLFA8-210 CV

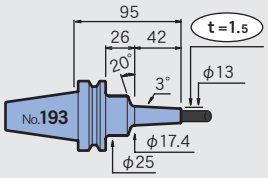


3.5

BT40 **S=1:7**

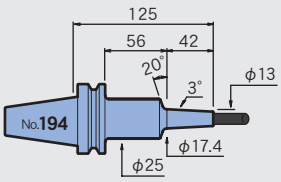
ϕ10

BT40-SLSA10-95-M42



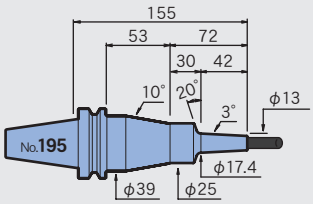
2.6

BT40-SLSA10-125-M42



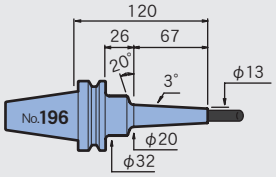
3.6

BT40-SLSA10-155-M42



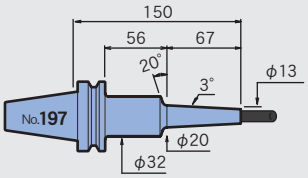
3.6

BT40-SLSA10-120-M67



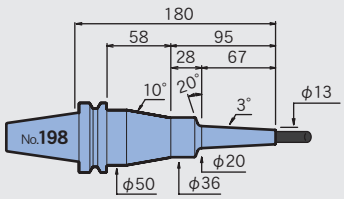
4.0

BT40-SLSA10-150-M67



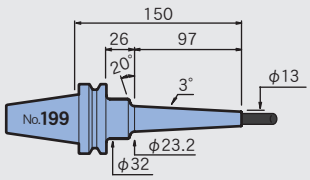
4.6

BT40-SLSA10-180-M67



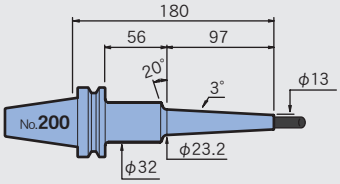
4.4

BT40-SLSA10-150-M97



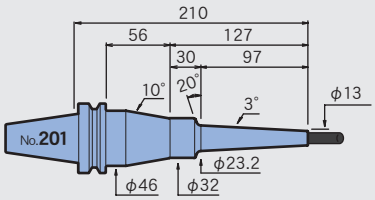
6.0

BT40-SLSA10-180-M97



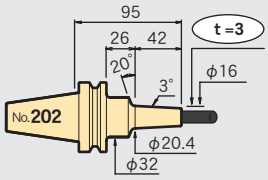
6.9

BT40-SLSA10-210-M97



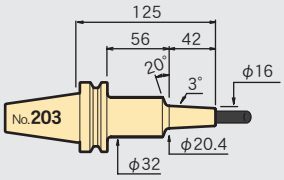
6.9

BT40-SLSB10-95-M42



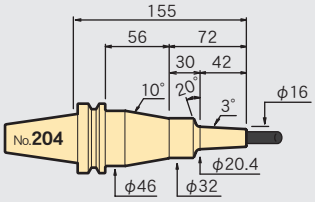
1.4

BT40-SLSB10-125-M42



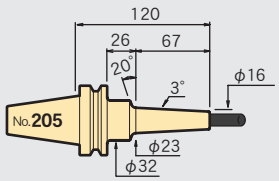
1.8

BT40-SLSB10-155-M42



1.9

BT40-SLSB10-120-M67



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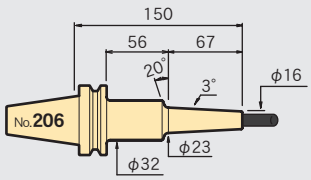
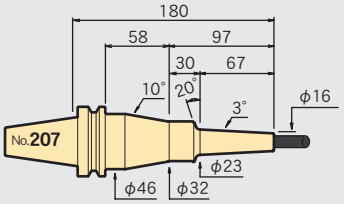
BT40-SLSB10-150-M67



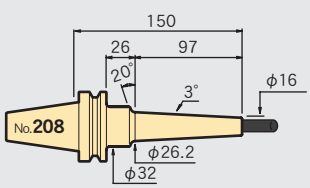
3.0

BT40-SLSB10-180-M67



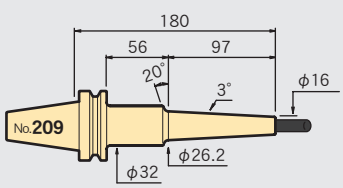
3.0

BT40-SLSB10-150-M97



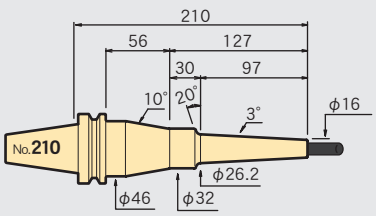
3.6

BT40-SLSB10-180-M97



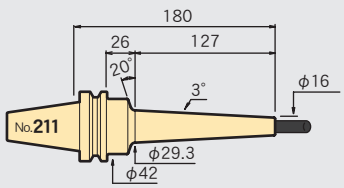
4.5

BT40-SLSB10-210-M97



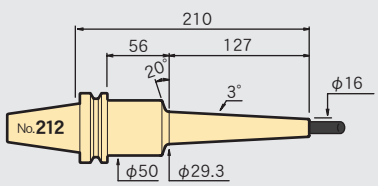
4.5

BT40-SLSB10-180-M127



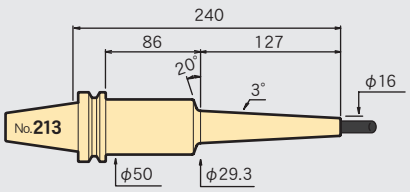
4.5

BT40-SLSB10-210-M127



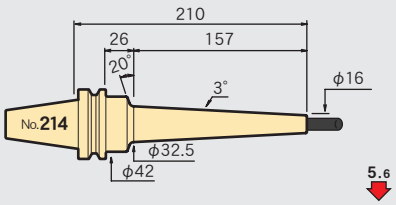
4.7

BT40-SLSB10-240-M127



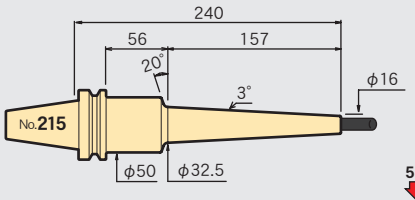
5.0

BT40-SLSB10-210-M157



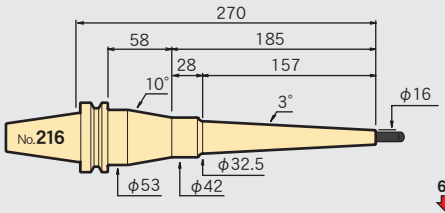
5.6

BT40-SLSB10-240-M157



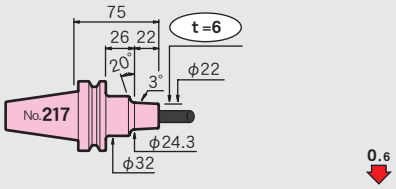
5.8

BT40-SLSB10-270-M157



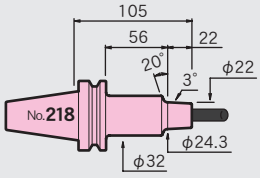
6.3

BT40-SLRB10-75-M22



0.6

BT40-SLRB10-105-M22



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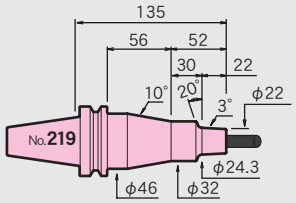
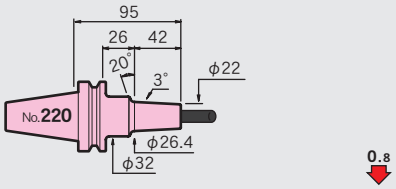
BT40-SLRB10-135-M22



0.9

BT40-SLRB10-95-M42



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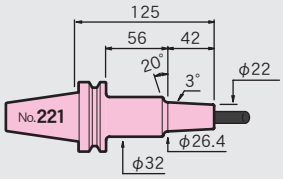
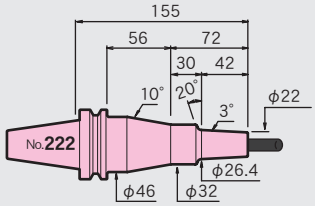
BT40-SLRB10-125-M42



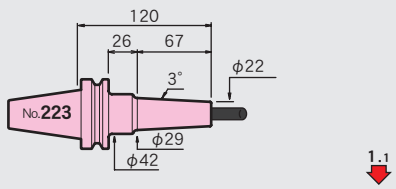
1.2

BT40-SLRB10-155-M42



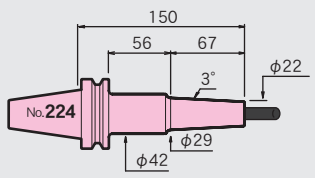
1.3

BT40-SLRB10-120-M67



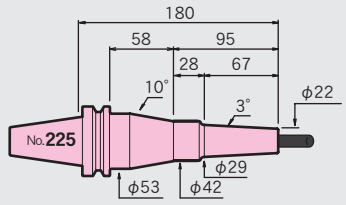
1.1

BT40-SLRB10-150-M67



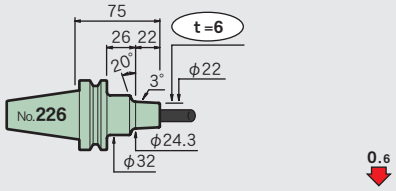
1.3

BT40-SLRB10-180-M67



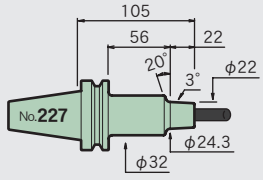
1.4

BT40-SLFB10-75-M22



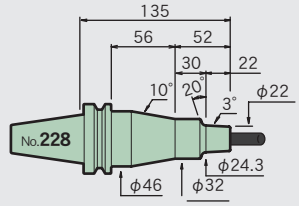
0.6

BT40-SLFB10-105-M22



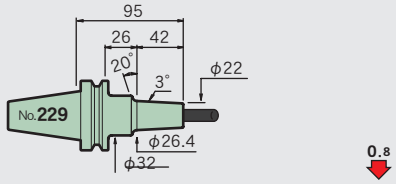
0.8

BT40-SLFB10-135-M22



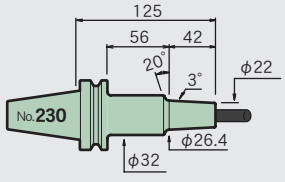
0.9

BT40-SLFB10-95-M42



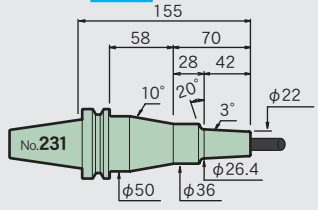
0.8

BT40-SLFB10-125-M42



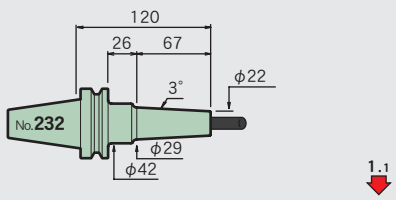
1.2

BT40-SLFB10-155-M42



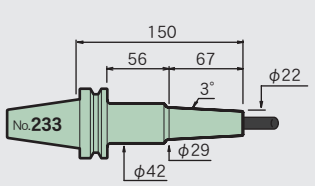
1.1

BT40-SLFB10-120-M67



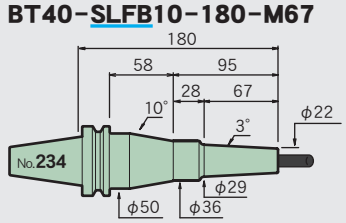
1.1

BT40-SLFB10-150-M67



1.3

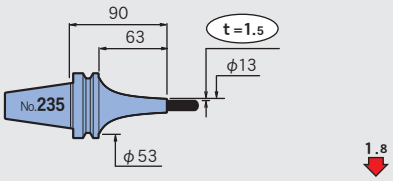
BT40-SLFB10-180-M67



1.6

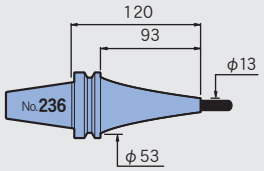
BT40 S=1:7

BT40-SLSA10-90 CV



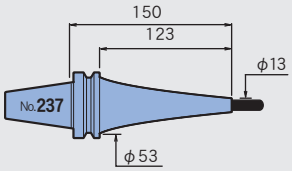
1.8

BT40-SLSA10-120 CV



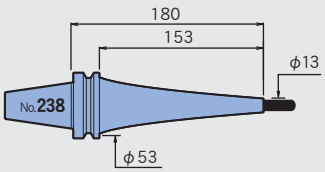
1.3

BT40-SLSA10-150 CV



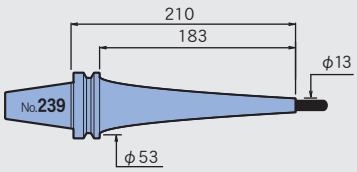
2.2

BT40-SLSA10-180 CV



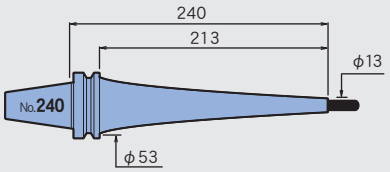
3.4

BT40-SLSA10-210 CV



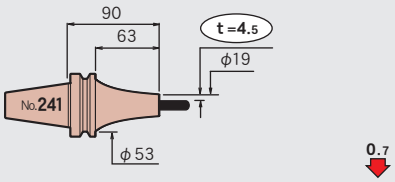
6.0

BT40-SLSA10-240 CV



5.8

BT40-SLRA10-90 CV



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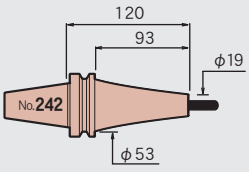
BT40-SLRA10-120 CV



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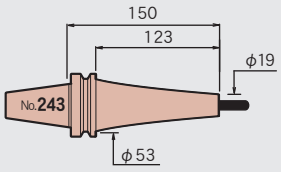
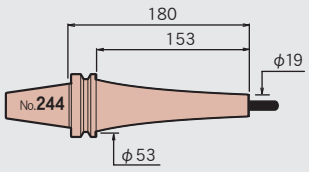
BT40-SLRA10-150 CV



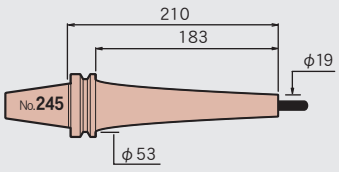
1.4

BT40-SLRA10-180 CV



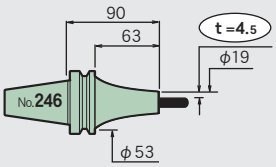
2.0

BT40-SLRA10-210 CV



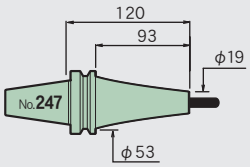
3.1

BT40-SLFA10-90 CV



0.7

BT40-SLFA10-120 CV



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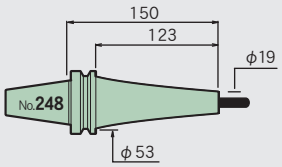
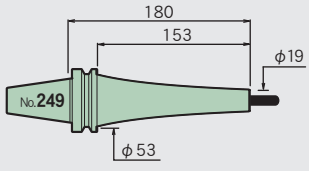
BT40-SLFA10-150 CV



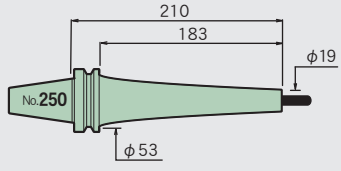
1.4

BT40-SLFA10-180 CV



2.0

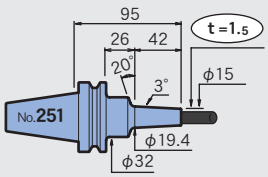
BT40-SLFA10-210 CV



3.1

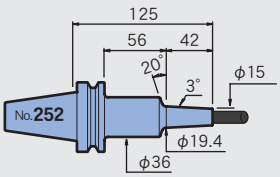
φ12

BT40-SLSA12-95-M42



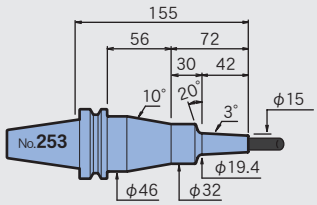
1.8

BT40-SLSA12-125-M42



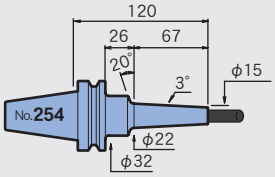
2.3

BT40-SLSA12-155-M42



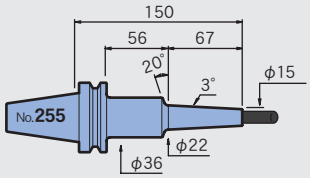
2.3

BT40-SLSA12-120-M67



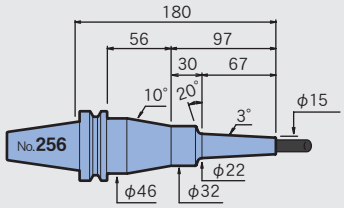
3.3

BT40-SLSA12-150-M67



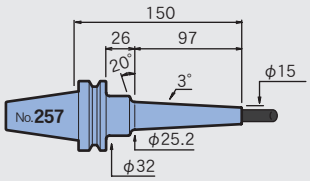
3.6

BT40-SLSA12-180-M67



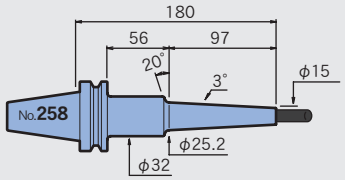
3.9

BT40-SLSA12-150-M97



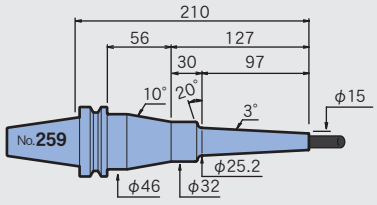
4.9

BT40-SLSA12-180-M97



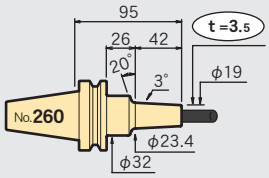
5.8

BT40-SLSA12-210-M97



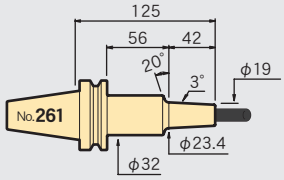
5.8

BT40-SLSB12-95-M42



1.1

BT40-SLSB12-125-M42



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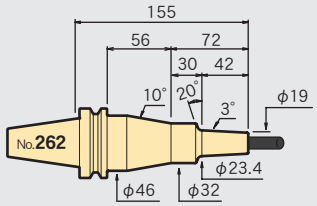
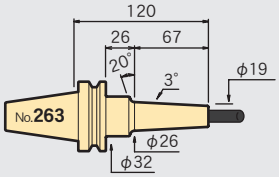
BT40-SLSB12-155-M42



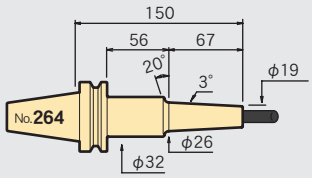
1.6

BT40-SLSB12-120-M67



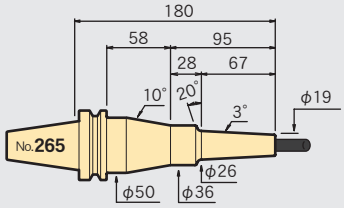
1.8

BT40-SLSB12-150-M67



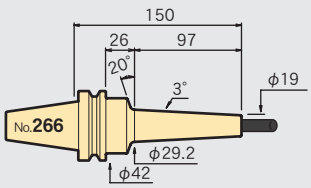
2.5

BT40-SLSB12-180-M67



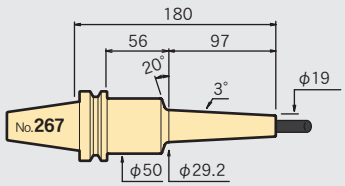
2.2

BT40-SLSB12-150-M97



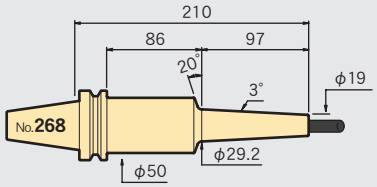
2.4

BT40-SLSB12-180-M97



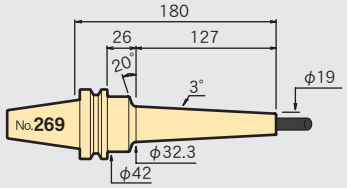
2.6

BT40-SLSB12-210-M97



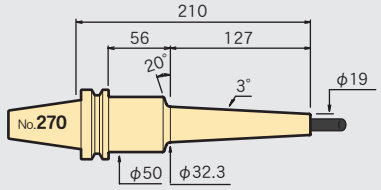
2.9

BT40-SLSB12-180-M127



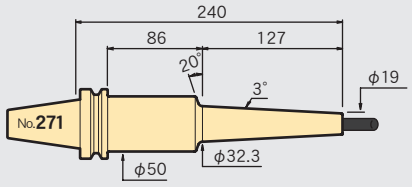
3.3

BT40-SLSB12-210-M127



3.5

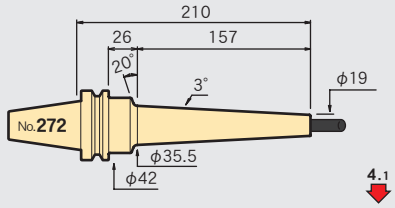
BT40-SLSB12-240-M127



3.8

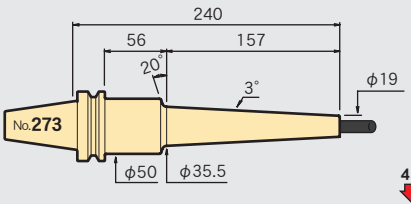
BT40 S=1:7

BT40-SLSB12-210-M157



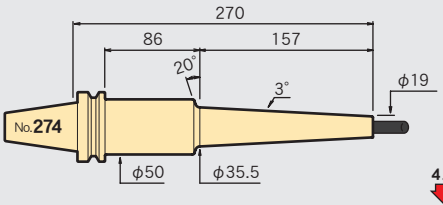
4.1

BT40-SLSB12-240-M157



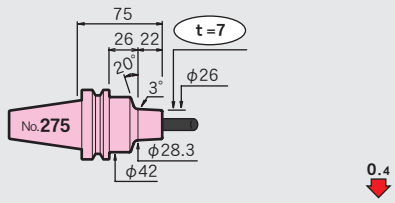
4.4

BT40-SLSB12-270-M157



4.8

BT40-SLRB12-75-M22



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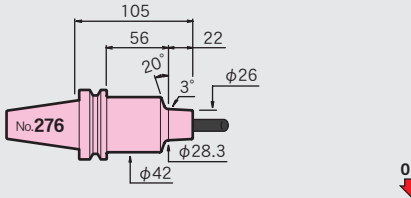
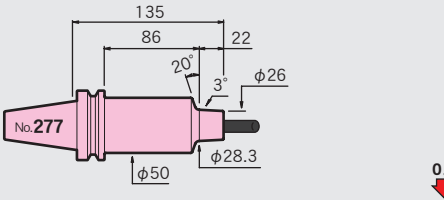
BT40-SLRB12-105-M22



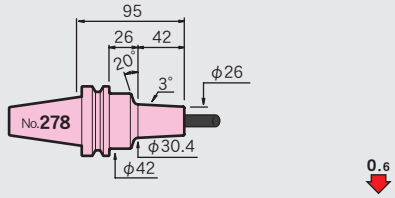
0.5

BT40-SLRB12-135-M22



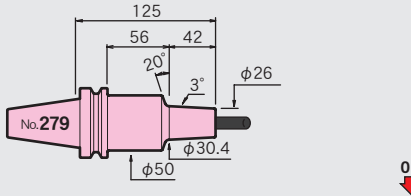
0.6

BT40-SLRB12-95-M42



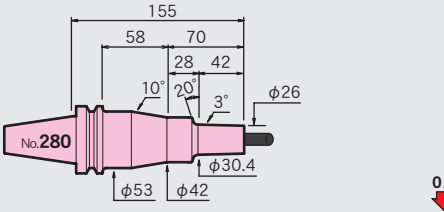
0.6

BT40-SLRB12-125-M42



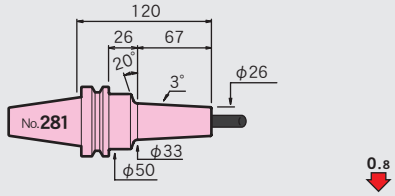
0.6

BT40-SLRB12-155-M42



0.8

BT40-SLRB12-120-M67



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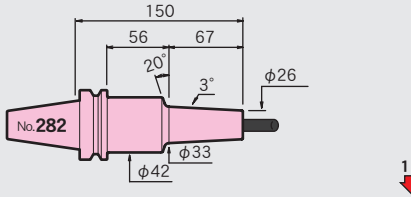
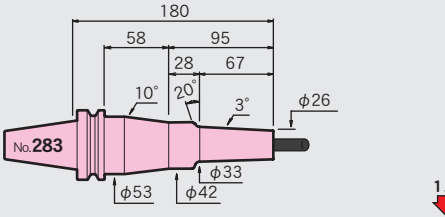
BT40-SLRB12-150-M67



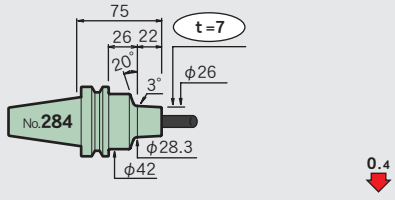
1.1

BT40-SLRB12-180-M67



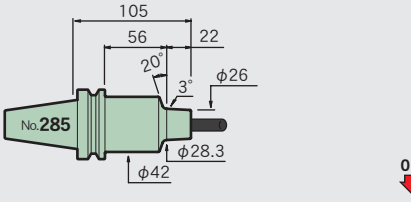
1.1

BT40-SLFB12-75-M22



0.4

BT40-SLFB12-105-M22



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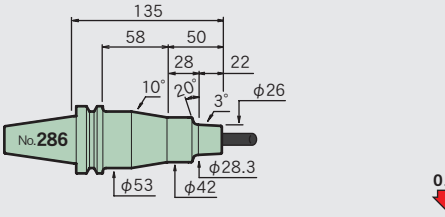
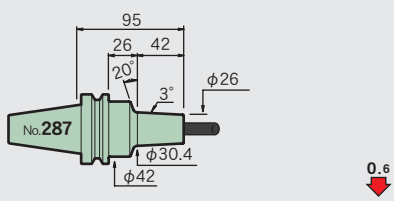
BT40-SLFB12-135-M22



0.6

BT40-SLFB12-95-M42



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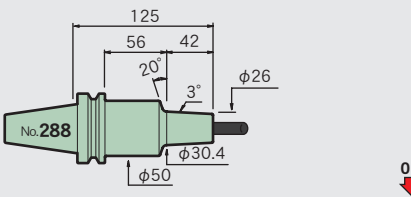
BT40-SLFB12-125-M42



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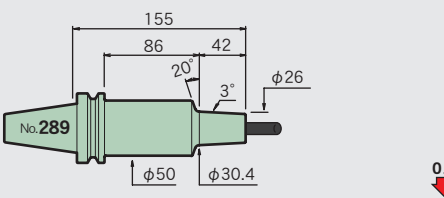
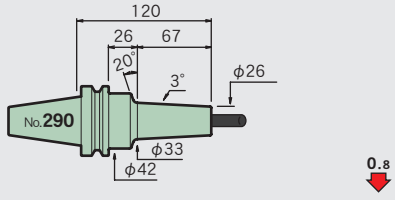
BT40-SLFB12-155-M42



0.8

BT40-SLFB12-120-M67



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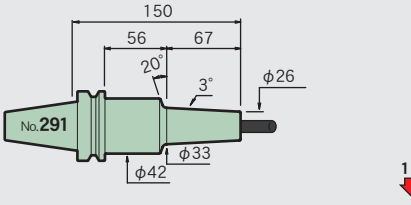
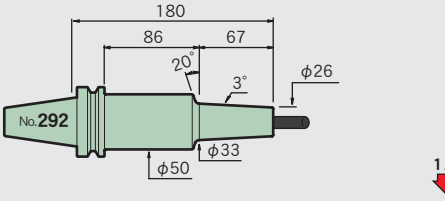
BT40-SLFB12-150-M67



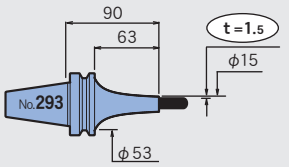
1.1

BT40-SLFB12-180-M67



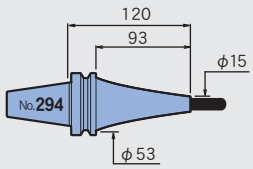
1.1

BT40-SLSA12-90 CV



1.5

BT40-SLSA12-120 CV



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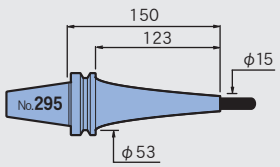
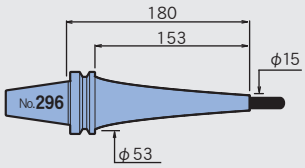
BT40-SLSA12-150 CV



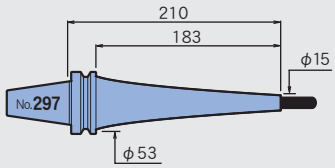
2.4

BT40-SLSA12-180 CV



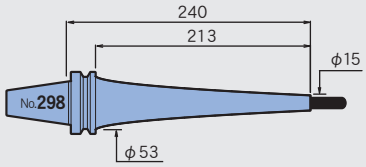
3.3

BT40-SLSA12-210 CV



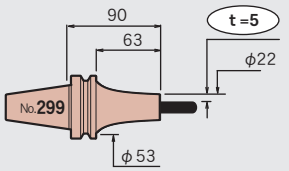
4.6

BT40-SLSA12-240 CV



5.5

BT40-SLRA12-90 CV



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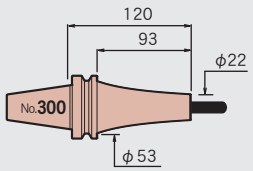
BT40-SLRA12-120 CV



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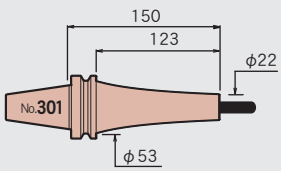
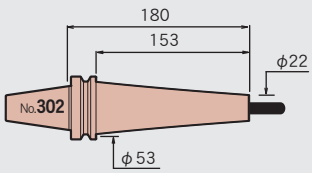
BT40-SLRA12-150 CV



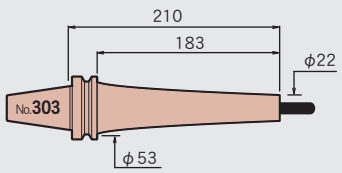
1.1

BT40-SLRA12-180 CV



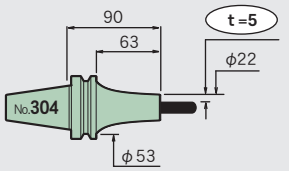
1.9

BT40-SLRA12-210 CV



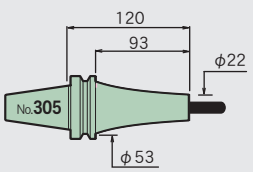
2.8

BT40-SLFA12-90 CV



0.6

BT40-SLFA12-120 CV



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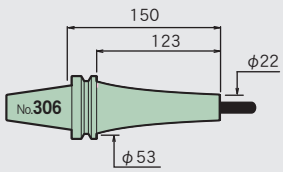
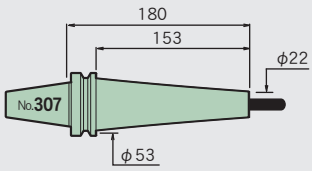
BT40-SLFA12-150 CV



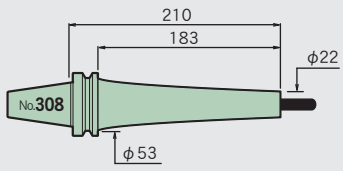
1.1

BT40-SLFA12-180 CV



1.9

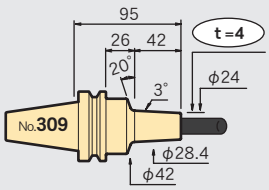
BT40-SLFA12-210 CV



2.8

ϕ16

BT40-SLSB16-95-M42



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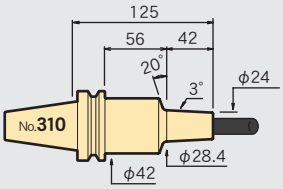
BT40-SLSB16-125-M42



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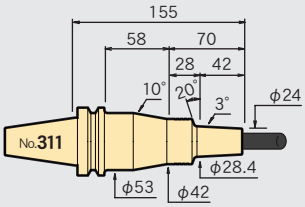
BT40-SLSB16-155-M42



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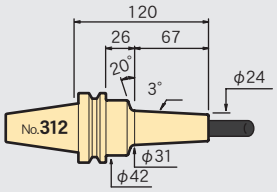
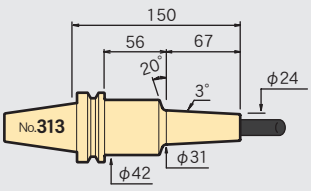
BT40-SLSB16-120-M67



1.1

BT40-SLSB16-150-M67



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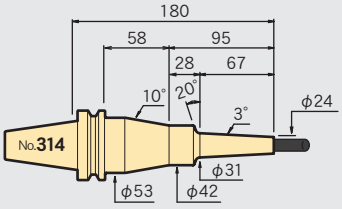
BT40-SLSB16-180-M67



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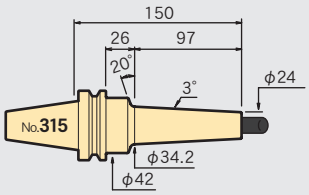
BT40-SLSB16-150-M97



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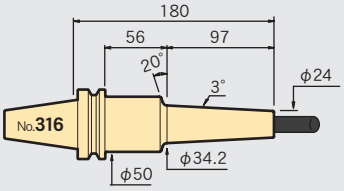
BT40-SLSB16-180-M97



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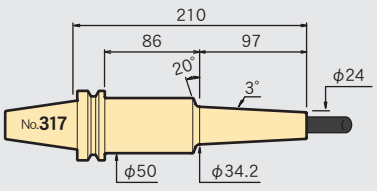
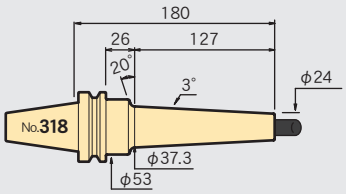
BT40-SLSB16-210-M97



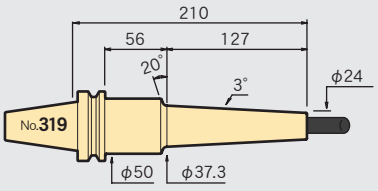
2.1

BT40-SLSB16-180-M127



2.1

BT40-SLSB16-210-M127



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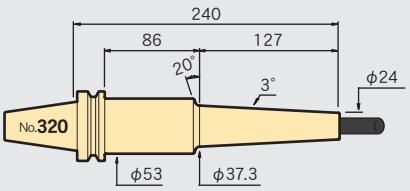
BT40-SLSB16-240-M127



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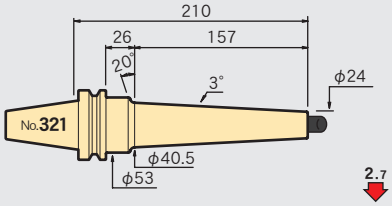
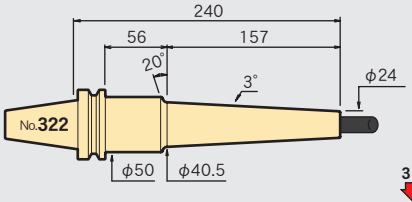
BT40-SLSB16-210-M157



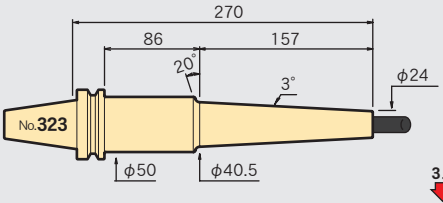
2.7

BT40-SLSB16-240-M157



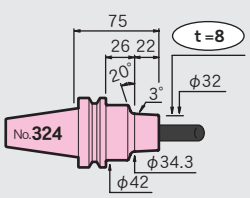
3.1

BT40-SLSB16-270-M157



3.5

BT40-SLRB16-75-M22



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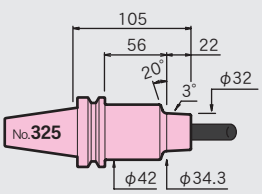
BT40-SLRB16-105-M22



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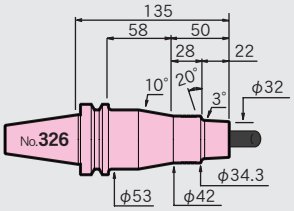
BT40-SLRB16-135-M22



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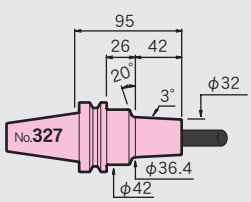
BT40-SLRB16-95-M42



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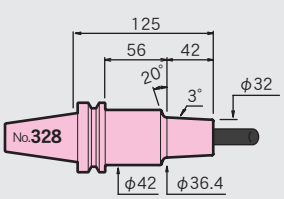
BT40-SLRB16-125-M42



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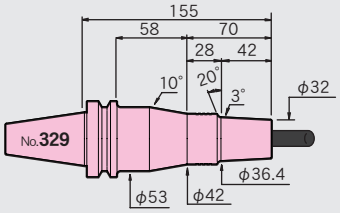
BT40-SLRB16-155-M42



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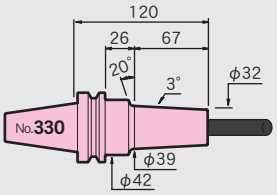
BT40-SLRB16-120-M67



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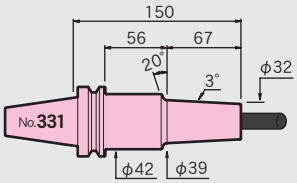
BT40-SLRB16-150-M67



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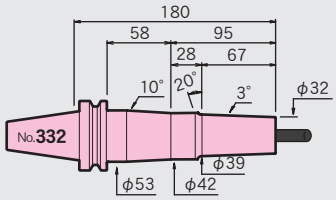
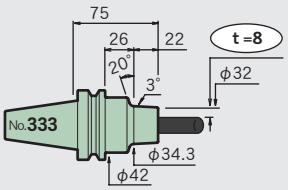
BT40-SLRB16-180-M67



1.0

BT40-SLFB16-75-M22



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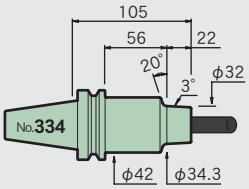
BT40-SLFB16-105-M22



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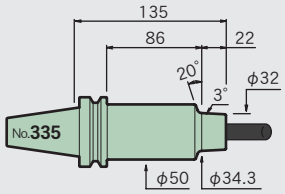
BT40-SLFB16-135-M22



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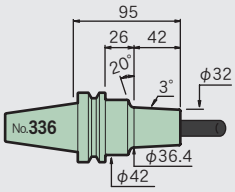
BT40-SLFB16-95-M42



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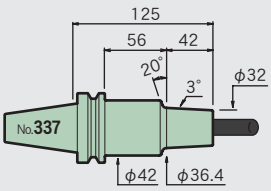
BT40-SLFB16-125-M42



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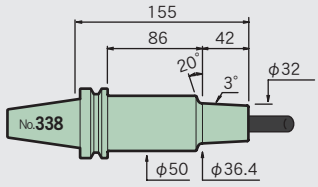
BT40-SLFB16-155-M42



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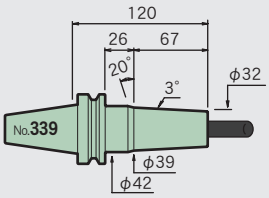
BT40-SLFB16-120-M67



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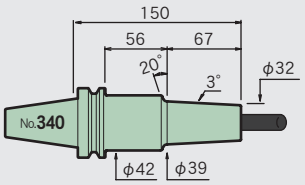
BT40-SLFB16-150-M67



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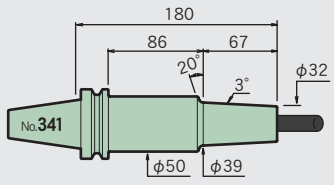
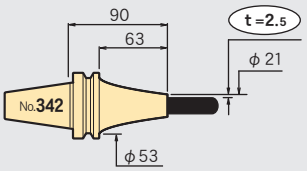
BT40-SLFB16-180-M67



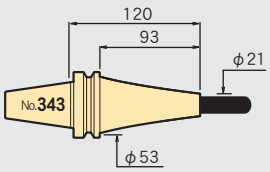
1.0

BT40-SLSB16-90 CV



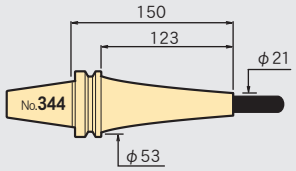
0.6

BT40-SLSB16-120 CV



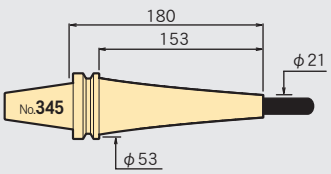
0.8

BT40-SLSB16-150 CV



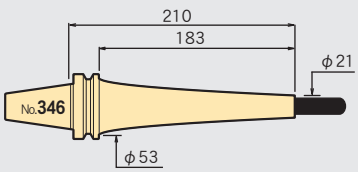
1.5

BT40-SLSB16-180 CV



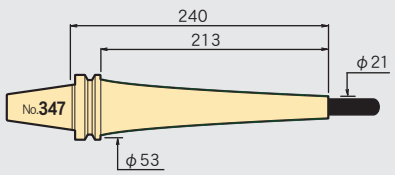
1.9

BT40-SLSB16-210 CV



3.0

BT40-SLSB16-240 CV

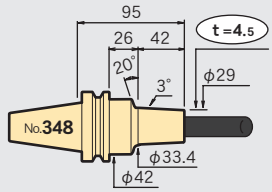


3.7

BT40 S=1:7

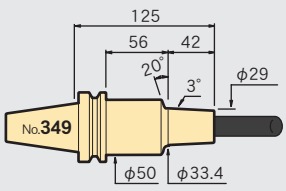
ϕ20

BT40-SLSB20-95-M42



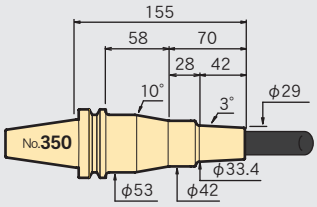
0.6

BT40-SLSB20-125-M42



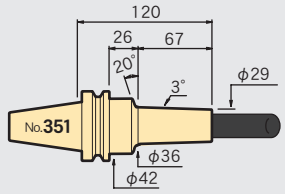
0.8

BT40-SLSB20-155-M42



0.9

BT40-SLSB20-120-M67



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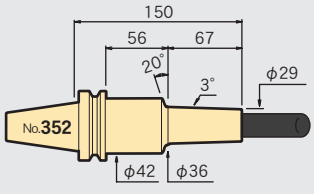
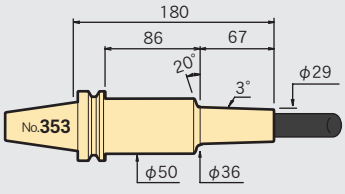
BT40-SLSB20-150-M67



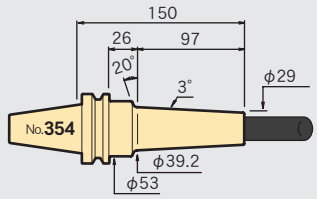
1.2

BT40-SLSB20-180-M67



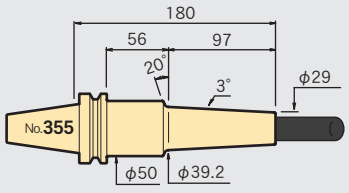
1.2

BT40-SLSB20-150-M97



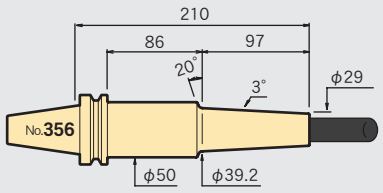
1.2

BT40-SLSB20-180-M97



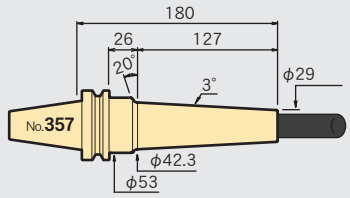
1.4

BT40-SLSB20-210-M97



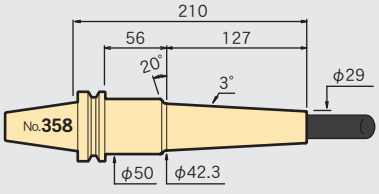
1.7

BT40-SLSB20-180-M127



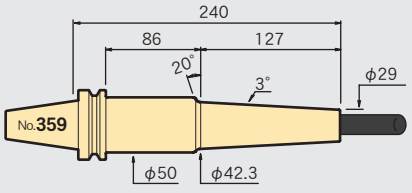
1.6

BT40-SLSB20-210-M127



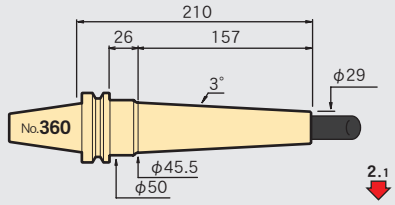
1.9

BT40-SLSB20-240-M127



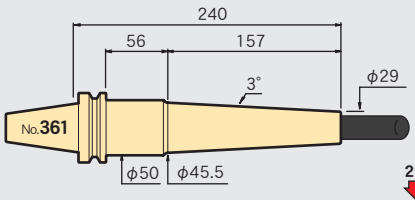
2.3

BT40-SLSB20-210-M157



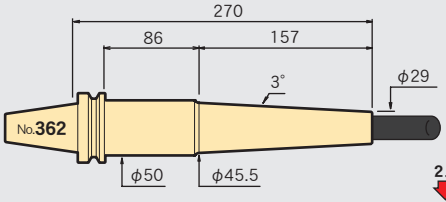
2.1

BT40-SLSB20-240-M157



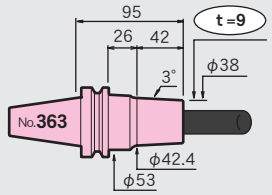
2.4

BT40-SLSB20—270-M157



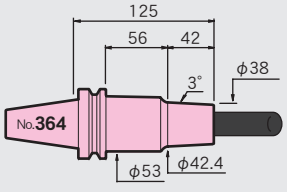
2.9

BT40-SLRB20-95-M42



0.4

BT40-SLRB20-125-M42



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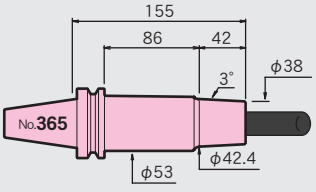
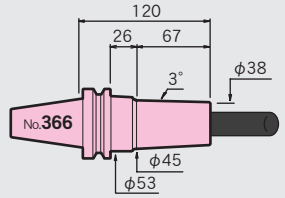
BT40-SLRB20-155-M42



0.6

BT40-SLRB20-120-M67



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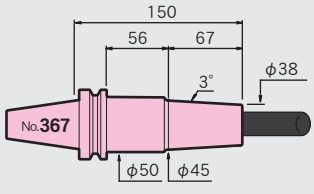
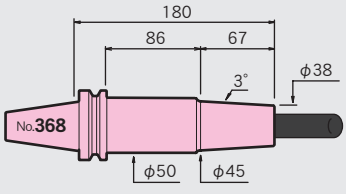
BT40-SLRB20-150-M67



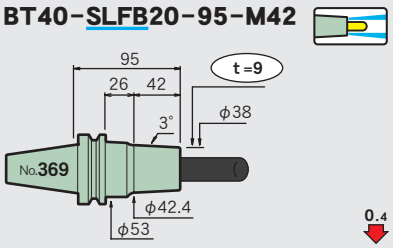
0.7

BT40-SLRB20-180-M67



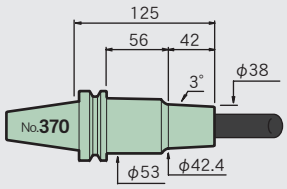
0.9

BT40-SLFB20-95-M42



0.4

BT40-SLFB20-125-M42



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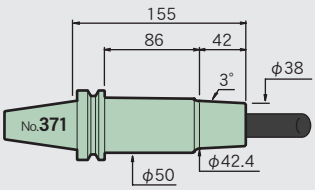
BT40-SLFB20-155-M42



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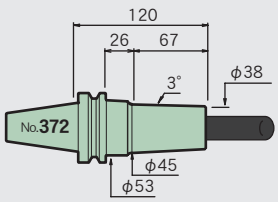
BT40-SLFB20-120-M67



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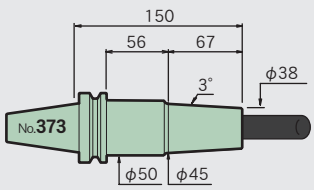
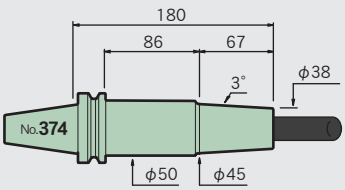


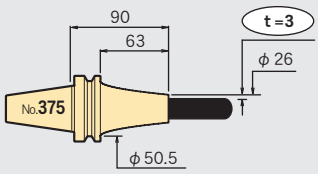
0.7

BT40-SLFB20-180-M67



0.9

BT40-SLSB20-90 CV



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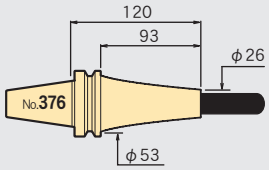
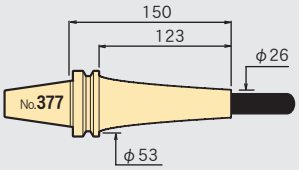
BT40-SLSB20-120 CV



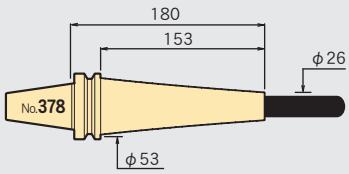
0.8

BT40-SLSB20-150 CV



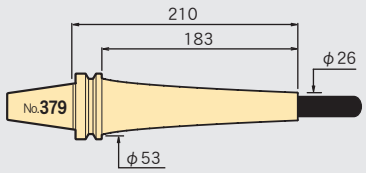
1.3

BT40-SLSB20-180 CV



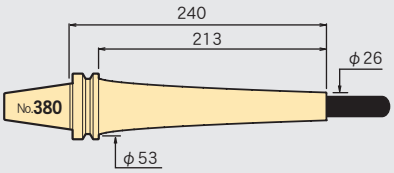
1.8

BT40-SLSB20-210 CV



2.3

BT40-SLSB20-240 CV

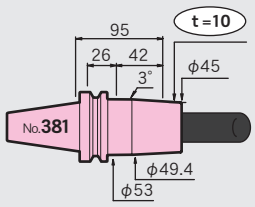


3.0

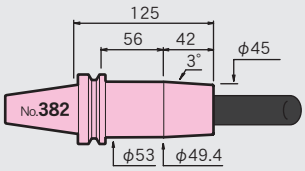
BT40 S=1:7

ϕ25

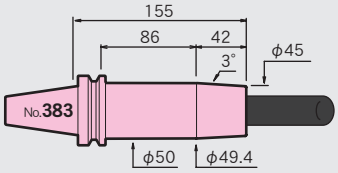
BT40-SLRB25-95-M42



BT40-SLRB25-125-M42



BT40-SLRB25-155-M42



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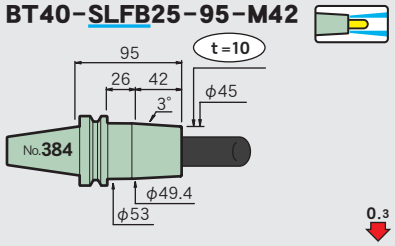
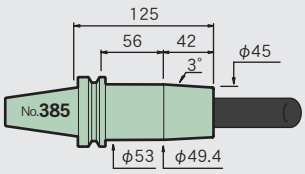


BT40-SLFB25-125-M42



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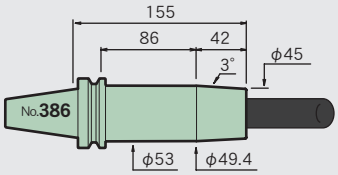
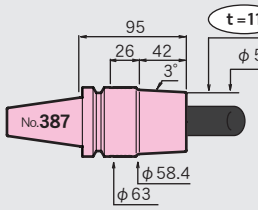


ϕ32

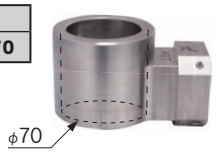
BT40-SLRB32-95-M42



ϕ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70



HEAT ROBO Baby3000S

BT50

MONO 3°

Fig.1

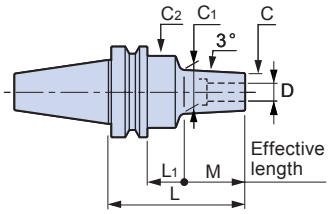
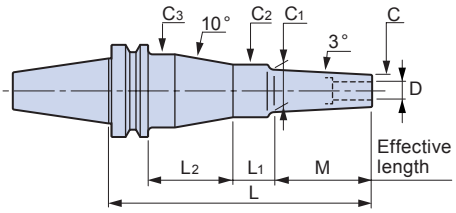


Fig. 2



Compatibility table for HRD-01S

[○] Available [×] Not available

[▲] Usable by raising the heating unit.→P.257

MONO CURVE

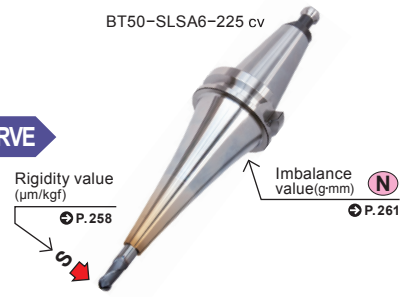
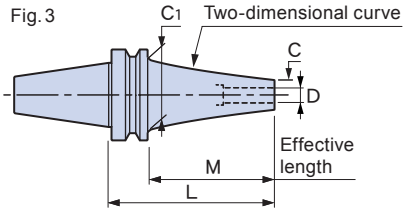
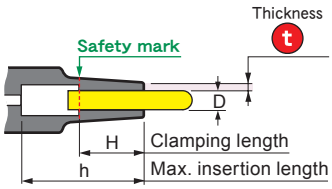


Fig. 3



■**Option**
- Retention knob→P.244

■**Caution**
- Retention knob･･･Use a retention knob with hole, or remove the retention knob and heat it.
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



CV : Curve

Thickness

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S	○	Scale model
BT50-SLSA3-110-M 42	1	3	6	1.5	110	42	30	—	10.4	25	—	9	165	3.6	4.4	9.1	○	1
-135-M 67					135	67			13				190		5.1	14.7		4
-140-M 42					140	42	60		10.4				195	3.7	4.4	9.8		2
-165-M 67					165	67			13				220		5.2	15.9		5
-M 97						97	30		16.2	26					6	20.8		7
-170-M 42	2				170	42	33	57	10.4		40		225	4.1	4.6	9.9		3
-195-M 67					195	67			13				250		5.4	15.8		6
-M 97	1					97	60	—	16.2		—			3.8	6.1	22.3		8
-225-M 97	2				225		33	57			40		280	4.1	6.2	22.1		9
-SLRA3- 90-M 22	1	3	7.5	2.25	90	22	30	—	9.8	25	—	9	145	3.6	4.6	2.8	○	10
-110-M 42					110	42			11.9	26			165	3.7	4.9	5.4		13
-120-M 22					120	22	60		9.8	25			175		4.7	3.2		11
-135-M 67					135	67	30		14.5	26			190		5.4	9		16
-140-M 42					140	42	60		11.9				195	3.8	5	6		14
-150-M 22	2				150	22	33	57	9.8	25	39		205	4	4.9	3.2		12
-165-M 67	1				165	67	60	—	14.5		—		220	3.8	5.5	10		17
-M 97						97	30		17.7	26				3.7	6.1	13		19
-170-M 42	2				170	42	33	57	11.9		40		225	4.1	5.1	6		15
-195-M 67					195	67			14.5				250		5.7	9.8		18
-M 97	1					97	60	—	17.7		—			3.8	6.2	14.5		20
-M127						127	30		20.8	32					7.7	15.7		22
-225-M 97	2				225	97	33	57	17.7	25	39		280	4.1	6.3	14.4		21
-M127	1					127	60	—	20.8	36	—				7.7	16.3		23
-255-M127	2				255		30	60		32	46		310	4.4	8	16.5		24

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT50-SLFB3- 90-M 22	1	3	9.5	3.25	90	22	30	—	11.8	26	—	9	145	3.6	4.4	1.9	○	25
-110-M 42					110	42			13.9				165	3.7	4.7	3.3		28
-120-M 22					120	22	60		11.8	25			175		4.5	2.4		26
-135-M 67					135	67	30		16.5	26			190		5.4	5.4		31
-140-M 42					140	42	60		13.9	25			195		4.8	4		29
-150-M 22	2				150	22	33	57	11.8		39		205	4	4.6	2.3		27
-165-M 67	1				165	67	60	—	16.5	26	—		220	3.8	5.5	6.4		32
-170-M 42	2				170	42	33	57	13.9	25	39		225	4	4.9	3.9		30
-195-M 67					195	67			16.5				250	4.1	5.7	6.4		33
BT50-SLSA4-110-M 42	1	4	7	1.5	110	42	30	—	11.4	25	—	12	165	3.6	5.1	7.2	○	34
-135-M 67					135	67			14				190		5.2	11.8		37
-140-M 42					140	42	60		11.4				195	3.7		8		35
-165-M 67					165	67			14				220			13		38
-M 97						97	30		17.2						6.1	16.7		40
-170-M 42	2				170	42	33	57	11.4		39		225	4	5.4	7.9		36
-195-M 67					195	67			14				250			12.8		39
-M 97	1					97	60	—	17.2		—			3.8	6.2	18.5		41
-225-M 97	2				225		33	57			39		280	4.1	6.3	18.2		42
-SLRA4- 90-M 22	1	4	10	3	90	22	30	—	12.3	25	—	12	145	3.6	4.7	1.7	○	43
-110-M 42					110	42			14.4				165		5.1	3.1		46
-120-M 22					120	22	60		12.3				175	3.7	4.8	2.2		44
-135-M 67					135	67	30		17	26			190		5.9	5.2		49
-140-M 42					140	42	60		14.4	25			195		5.2	3.9		47
BT50 -150-M 22	2				150	22	33	57	12.3		39		205	4	5	2.2		45
-165-M 67	1				165	67	60	—	17		—		220	3.8	5.9	6.4		50
-M 97						97	30		20.2					3.7	6.8	7.9		52
-170-M 42	2				170	42	33	57	14.4	26	40		225	4.1	5.4	3.7		48
-195-M 67					195	67			17	25	39		250		6.1	6.2		51
-M 97	1					97	60	—	20.2		—			3.8	6.9	9.7		53
-M127						127	30		23.3	32					9.2	9.4		55
-225-M 97	2				225	97	30	60	20.2	25	39		280	4.1	7.1			54
-M127	1					127	60	—	23.3	32	—			4	9.2	10.4		56
-255-M127	2				255		30	60			46		310	4.4	9.5	10.3		57
-SLFB4- 90-M 22	1	4	12	4	90	22	30	—	14.3	26	—	12	145	3.7	4.6	1.4	○	58
-110-M 42					110	42			16.4				165		5	2.2		61
-120-M 22					120	22	60		14.3	25			175		4.6	1.9		59
-135-M 67					135	67	30		19	26			190		5.8	3.6		64
-140-M 42					140	42	60		16.4				195	3.8	5.1	2.9		62
-150-M 22	2				150	22	33	57	14.3	25	39		205	4	4.8	1.8		60
-165-M 67	1				165	67	60	—	19		—		220	3.8	5.9	4.8		65
-170-M 42	2				170	42	33	57	16.4	26	40		225	4.1	5.3	2.8		63
-195-M 67					195	67			19				250	4.2	6.1	4.5		66
-SLSA4-165 CV	3	4	7	1.5	165	127	—	—	85	—	—	12	220	5.2	15.4	1.8	○	67
-195 CV					195	157							250	5.3	15.9	2.6		68
-225 CV					225	187							280	5.5	16.4	3.8		69
-255 CV					255	217							310	5.6	16.9	5.7	▲	70
-285 CV					285	247							340	6.4	19.5	5.9		71
-315 CV					315	277							370	8.3	26	7.7		72
BT50-SLSA6-110-M 42	1	6	9	1.5	110	42	30	—	13.4	25	—	18	165	3.6	5.4	4.8	○	73
-135-M 67					135	67			16				190	3.7	6.4	8.1		76
-140-M 42					140	42	60		13.4				195		5.4	5.7		74
-165-M 67					165	67			16				220	3.8	6.5	9.4		77
-M 97						97	30		19.2	32				3.7	8.3	11		79
-170-M 42	2				170	42	33	57	13.4	26	40		225	4.1	5.6	5.5		75
-195-M 67					195	67			16	25	39		250	4	6.6	9.2		78
-M 97	1					97	60	—	19.2	32	—			3.9	8.2	11.7		80
-225-M 97	2				225		30	60			46		280	4.3	8.5			81

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg	N	S		Scale model
BT50-SLSB6-110-M 42	1	6	10	2	110	42	30	—	14.4	25	—	18	165	3.6	6	3.7	○	82
-135-M 67					135	67			17				190	3.7	7.4	6.2		85
-140-M 42					140	42	60		14.4				195		6.1	4.6		83
-165-M 67					165	67			17				220	3.8	7.4	7.6		86
-M 97						97	30		20.2	32					9.6	8.5		88
-170-M 42	2				170	42	33	57	14.4	25	39		225	4	6.2	4.4		84
-195-M 67					195	67			17				250	4.1	7.6	7.3		87
-M 97	1					97	60	—	20.2	32	—			3.9	9.6	9.2		89
BT50 -M127						127	30		23.3					3.8	11.3	11.1		91
-225-M 97	2				225	97		60	20.2		46		280	4.3	9.9	9.2		90
-M127	1					127	60	—	23.3		—			4	11.2	12.1		92
-M157						157	30		26.5					3.9	13	13.3		94
-255-M127	2				255	127		60	23.3	32	46		310	4.4	11.5	12	▲	93
-M157	1					157	60	—	26.5		—			4.1	12.9	14.7		95
-285-M157	2				285		30	60			46		340	4.5	13.2	14.5		96
-SLRB6- 90-M 22	1	6	14	4	90	22	30	—	16.3	32	—	18	145	3.7	5.5	1	○	97
-110-M 42					110	42			18.4				165		6.6	1.6		100
-120-M 22					120	22	60		16.3				175	3.8	5.5	1.2		98
-135-M 67					135	67	30		21				190		8	2.6		103
-140-M 42					140	42	60		18.4				195	3.9	6.6	1.9		101
-150-M 22	2				150	22	30	60	16.3		46		205	4.2	5.8	1.2		99
-165-M 67	1				165	67	60	—	21		—		220	3.9	8	3.1		104
-170-M 42	2				170	42	30	60	18.4		46		225	4.3	6.9	1.9		102
-195-M 67					195	67			21				250		8.3	3		105
-SLFB6- 90-M 22	1	6	14	4	90	22	30	—	16.3	32	—	18	145	3.7	5.5	1	○	106
 -110-M 42					110	42			18.4				165		6.6	1.6		109
-120-M 22					120	22	60		16.3				175	3.8	5.5	1.2		107
-135-M 67					135	67	30		21				190		8	2.6		112
-140-M 42					140	42	60		18.4				195	3.9	6.6	1.9		110
-150-M 22	2				150	22	30	60	16.3		46		205	4.2	5.8	1.2		108
-165-M 67	1				165	67	60	—	21		—		220	3.9	8	3.1		113
-170-M 42	2				170	42	30	60	18.4		46		225	4.3	6.9	1.9		111
-195-M 67					195	67			21				250		8.3	3		114
-SLSA6-165 CV	3	6	9	1.5	165	127	—	—	85	—	—	18	220	5.1	15.1	1.5	○	115
-195 CV					195	157							250	5.2	15.5	2.4		116
-225 CV					225	187							280	5.7	16.8	2.9		117
-255 CV					255	217							310	5.9	18.4	4	▲	118
-285 CV					285	247							340	6.2	19.5	5.2		119
-315 CV					315	277							370	8.4	26.8	6.9		120
BT50-SLSA8-110-M 42	1	8	11	1.5	110	42	30	—	15.4	25	—	24	165	3.6	6.9	3.5	○	121
-135-M 67					135	67			18	32			190	3.7	8.7	5.4		124
-140-M 42					140	42	60		15.4	25			195		6.9	4.4		122
-165-M 67					165	67			18	32			220	3.9	8.6	5.9		125
-M 97						97	30		21.2					3.8	10.8	7.9		127
-170-M 42	2				170	42	33	57	15.4	25	39		225	4	7.2	4.3		123
-195-M 67					195	67	28	62	18	36	50		250	4.5	8.9	5.7		126
-M 97	1					97	60	—	21.2	32	—			3.9	10.7	8.7		128
-225-M 97	2				225		28	62		36	50		280	4.5	11	8.3		129

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT50-SLSB8-110-M 42	1	8	13	2.5	110	42	30	—	17.4	32	—	24	165	3.7	7.7	2.1	○	130
-135-M 67					135	67			20				190		9.8	3.5		133
-140-M 42					140	42	60		17.4				195	3.8	7.6	2.4		131
-165-M 67					165	67			20				220	3.9	9.8	4		134
-M 97						97	30		23.2					3.8	12.4	5.3		136
-170-M 42	2				170	42		60	17.4		46		225	4.3	7.9	2.4		132
-195-M 67					195	67			20				250		10.1	4		135
BT50 -M 97	1					97	60	—	23.2		—			4	12.3	6.1		137
-M127						127	30		26.3					3.9	14.9	7.1		139
-225-M 97	2				225	97		60	23.2		46		280	4.4	12.6	6		138
-M127	1					127	60	—	26.3		—			4	14.9	8.2		140
-M157						157	30		29.5	42					17.5	8		142
-255-M127	2				255	127		60	26.3	32	46		310	4.5	15.2	8.1	▲	141
-M157	1					157	60	—	29.5	42	—			4.3	17.5	8.5		143
-285-M157	2				285		28	62			56		340	4.9	17.8			144
-SLRB8- 90-M 22	1	8	18	5	90	22	30	—	20.3	32	—	24	145	3.7	6	0.7	×	145
-110-M 42					110	42			22.4				165		7.7	1.1	○	148
-120-M 22					120	22	60		20.3				175	3.8	5.9	0.9	×	146
-135-M 67					135	67	30		25				190		9.8	1.7	○	151
-140-M 42					140	42	60		22.4				195	3.9	7.7	1.4		149
-150-M 22	2				150	22	30	60	20.3		46		205	4.3	6.2	0.9	×	147
-165-M 67	1				165	67	60	—	25		—		220	4	9.8	2.2	○	152
-170-M 42	2				170	42	28	62	22.4	36	50		225	4.5	8	1.3		150
-195-M 67					195	67	30	60	25	32	46		250	4.4	10.1	2.2		153
-SLFB8- 90-M 22	1	8	18	5	90	22	30	—	20.3	32	—	24	145	3.7	6	0.7	×	154
 -110-M 42					110	42			22.4				165		7.7	1.1	○	157
-120-M 22					120	22	60		20.3				175	3.8	5.9	0.9	×	155
-135-M 67					135	67	30		25				190		9.8	1.7	○	160
-140-M 42					140	42	60		22.4				195	3.9	7.7	1.4		158
-150-M 22	2				150	22	30	60	20.3		46		205	4.3	6.2	0.9	×	156
-165-M 67	1				165	67	60	—	25		—		220	4	9.8	2.2	○	161
-170-M 42	2				170	42	30	60	22.4		46		225	4.3	8	1.4		159
-195-M 67					195	67			25				250	4.4	10.1	2.2		162
-SLSA8-165 CV	3	8	11	1.5	165	127	—	—	85	—	—	24	220	4.9	14.7	1.4	○	163
-195 CV					195	157							250	5.3	16.1	1.9		164
-225 CV					225	187							280	5.8	17.7	2.3		165
-255 CV					255	217							310		17.9	3.7	▲	166
-285 CV					285	247							340	6	19.1	4.9		167
-315 CV					315	277							370	8.4	28	5		168
-SLRA8-195 CV	3	8	16	4	195	157	—	—	85	—	—	24	250	5.4	17.3	1.1	○	169
-225 CV					225	187							280	5.6	18.3	1.5		170
-255 CV					255	217							310	5.8	19.1	2.2	▲	171
-285 CV					285	247							340	5.9	19.9	3		172
-SLFA8-195 CV	3	8	16	4	195	157	—	—	85	—	—	24	250	5.4	17.3	1.1	○	173
 -225 CV					225	187							280	5.6	18.3	1.5		174
-255 CV					255	217							310	5.8	19.1	2.2	▲	175
-285 CV					285	247							340	5.9	19.9	3		176

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT50-SLSA10-110-M 42	1	10	13	1.5	110	42	30	—	17.4	25	—	30	165	3.6	7.9	2.6	○	177
-135-M 67					135	67			20	32			190	3.7	10.4	4		180
-140-M 42					140	42	60		17.4	25			195		7.8	3.7		178
-165-M 67					165	67			20	32			220	3.9	10.4	4.6		181
-M 97						97	30		23.2					3.8	13.6	6		183
-170-M 42	2				170	42	33	57	17.4	25	39		225	4	8.1	3.5		179
-195-M 67					195	67	28	62	20	36	50		250	4.5	10.7	4.3		182
-M 97	1					97	60	—	23.2	32	—			3.9	13.5	6.9		184
-225-M 97	2				225		30	60			46		280	4.4	13.8	6.8	▲	185
-SLSB10-110-M 42	1	10	16	3	110	42	30	—	20.4	32	—	30	165	3.7	8.6	1.4	○	186
-135-M 67					135	67			23				190	3.8	11.7	2.4		189
-140-M 42					140	42	60		20.4				195	3.9	8.6	1.8		187
-165-M 67					165	67			23				220		11.7	3		190
-M 97						97	30		26.2						15.4	3.7		192
-170-M 42	2				170	42	28	62	20.4	36	50		225	4.5	8.9	1.7		188
-195-M 67					195	67	30	60	23	32	46		250	4.3	12	3		191
-M 97	1					97	60	—	26.2		—			4	15.3	4.5		193
-M127						127	30		29.3	42					20			195
-225-M 97	2				225	97		60	26.2	32	46		280	4.4	15.6	4.4	▲	194
-M127	1					127	60	—	29.3	42	—			4.2	20.6	4.9		196
-M157						157	30		32.5					4.1	23.7	5.6		198
-255-M127	2				255	127	28	62	29.3		56		310	4.8	21.1	4.9		197
-M157	1					157	60	—	32.5		—			4.4	24.3	6.1		199
-285-M157	2				285		28	62			56		340	5	24.8			200
-SLRB10- 90-M 22	1	10	22	6	90	22	30	—	24.3	32	—	30	145	3.7	6.2	0.6	×	201
-110-M 42					110	42			26.4				165	3.8	8.7	0.8	○	204
-120-M 22					120	22	60		24.3				175	3.9	6.2		×	202
-135-M 67					135	67	30		29	42			190		11.8	1.1	○	207
-140-M 42					140	42	60		26.4	32			195		8.6	1.2		205
-150-M 22	2				150	22	30	60	24.3		46		205	4.3	6.5	0.8	×	203
-165-M 67	1				165	67	60	—	29	42	—		220	4.1	11.7	1.3	○	208
-170-M 42	2				170	42	28	62	26.4	36	50		225	4.5	8.9	1		206
-195-M 67					195	67		62	29	42	56		250	4.7	12	1.3		209
-SLFB10- 90-M 22	1	10	22	6	90	22	30	—	24.3	32	—	30	145	3.7	6.2	0.6	×	210
-110-M 42					110	42			26.4				165	3.8	8.7	0.8	○	213
-120-M 22					120	22	60		24.3				175	3.9	6.2		×	211
-135-M 67					135	67	30		29	42			190		11.8	1.1	○	216
-140-M 42					140	42	60		26.4	36			195	4	8.6	1		214
-150-M 22	2				150	22	30	60	24.3	32	46		205	4.3	6.5	0.8	×	212
-165-M 67	1				165	67	60	—	29	42	—		220	4.1	11.7	1.3	○	217
-170-M 42	2				170	42	30	60	26.4	32	46		225	4.3	8.9	1.2		215
-195-M 67					195	67	28	62	29	42	56		250	4.7	12	1.3		218
-SLSA10-165 CV	3	10	13	1.5	165	127	—	—	85	—	—	30	220	4.9	14.9	1.2	○	219
-195 CV					195	157							250	5.5	16.9	1.5		220
-225 CV					225	187							280	5.4	16.8	2.4	▲	221
-255 CV					255	217							310	6.1	19.8	2.6		222
-285 CV					285	247							340	6.3	21.2	3.7		223
-315 CV					315	277							370	8.4	28.6	4.6		224

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT50-SLRA10-165 CV	3	10	19	4.5	165	127	—	—	85	—	—	30	220	5.1	15.9	0.7	×	225
-195 CV					195	157							250	5.2	16.6	1.1	○	226
-225 CV					225	187							280	5.9	19.7	1.2	▲	227
-255 CV					255	217							310	6.1	20.3	1.7		228
-285 CV					285	247							340	6.2	21.1	2.4		229
-SLFA10-165 CV	3	10	19	4.5	165	127	—	—	85	—	—	30	220	5.1	15.9	0.7	×	230
-195 CV					195	157							250	5.2	16.6	1.1	○	231
-225 CV					225	187							280	5.9	19.7	1.2	▲	232
-255 CV					255	217							310	6.1	20.3	1.7		233
-285 CV					285	247							340	6.2	21.1	2.4		234
BT50-SLSA12-110-M 42	1	12	15	1.5	110	42	30	—	19.4	32	—	30	165	3.7	9.5	1.9	○	235
-135-M 67					135	67			22				190		13.1	3.3		238
-140-M 42					140	42	60		19.4				195	3.8	9.4	2.3		236
-165-M 67					165	67			22				220	3.9	13	3.9		239
-M 97						97	30		25.2					3.8	17.7	4.9		241
-170-M 42	2				170	42		60	19.4		46		225	4.3	9.7	2.3		237
-195-M 67					195	67			22				250		13.3	3.9		240
-M 97	1					97	60	—	25.2		—			4	17.7	5.9		242
-225-M 97	2				225		30	60			46		280	4.4	18	5.8	▲	243
-SLSB12-110-M 42	1	12	19	3.5	110	42	30	—	23.4	32	—	30	165	3.7	10.4	1.1	○	244
-135-M 67					135	67			26				190	3.8	14.6	1.9		247
-140-M 42					140	42	60		23.4				195	3.9	10.3	1.6		245
-165-M 67					165	67			26				220		14.5	2.5		248
-M 97						97	30		29.2	42					20.5	2.4		250
-170-M 42	2				170	42	28	62	23.4	36	50		225	4.5	10.6	1.3		246
-195-M 67					195	67	30	60	26	32	46		250	4.4	14.8	2.4		249
-M 97	1					97	60	—	29.2	42	—			4.2	21.1	2.7		251
-M127						127	30		32.3					4.1	25.5	3.3		253
-225-M 97	2				225	97	28	62	29.2		56		280	4.8	21.6	2.8	▲	252
-M127	1					127	60	—	32.3		—			4.3	26.1	3.7		254
-M157						157	30		35.5						30.6	4.1		256
-255-M127	2				255	127	28	62	32.3		56		310	4.9	26.7	3.7		255
-M157	1					157	60	—	35.5		—			4.5	31.1	4.7		257
-285-M157	2				285		28	62			56		340	5.1	31.7			258
-SLRB12- 90-M 22	1	12	26	7	90	22	30	—	28.3	42	—	30	145	3.7	9.5	0.4	×	259
-110-M 42					110	42			30.4				165	3.8	11.4	0.6		262
-120-M 22					120	22	60		28.3				175	4	10.1	0.5		260
-135-M 67					135	67	30		33				190		15.5	0.8		265
-140-M 42					140	42	60		30.4				195	4.1	11.9	0.7		263
-150-M 22	2				150	22	28	62	28.3		56		205	4.6	10.7	0.5		261
-165-M 67	1				165	67	60	—	33		—		220	4.2	16.1	1		266
-170-M 42	2				170	42	28	62	30.4		56		225	4.7	12.5	0.7		264
-195-M 67					195	67			33				250	4.8	16.7	1.1		267
-SLFB12- 90-M 22	1	12	26	7	90	22	30	—	28.3	42	—	30	145	3.7	9.5	0.4	×	268
-110-M 42					110	42			30.4				165	3.8	11.4	0.6		271
-120-M 22					120	22	60		28.3				175	4	10.1	0.5		269
-135-M 67					135	67	30		33				190		15.5	0.8		274
-140-M 42					140	42	60		30.4				195	4.1	11.9	0.7		272
-150-M 22	2				150	22	28	62	28.3		56		205	4.6	10.7	0.5		270
-165-M 67	1				165	67	60	—	33		—		220	4.2	16.1	1		275
-170-M 42	2				170	42	28	62	30.4		56		225	4.7	12.5	0.7		273
-195-M 67					195	67			33				250	4.8	16.7	1.1		276

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
BT50-SLSA12-165 CV	3	12	15	1.5	165	127	—	—	84	—	—	30	220	4.8	14.6	1.2	○	277
-195 CV					195	157			85				250	5.6	17.6			278
-225 CV					225	187							280	5.8	18.5	1.8	▲	279
-255 CV					255	217							310	6	19.3	2.6		280
-285 CV					285	247							340	6.2	21.2	3.5		281
-315 CV					315	277							370	8.5	29.2	3.6	○	282
-SLRA12-165 CV	3	12	22	5	165	127	—	—	85	—	—	30	220	5.1	16.1	0.7	×	283
-195 CV					195	157							250	5.6	18	0.8		284
BT50 -225 CV					225	187							280		18.6	1.3	▲	285
-255 CV					255	217							310	5.8	20.7	1.6		286
-285 CV					285	247							340	6.1	22.4	2.1		287
-SLFA12-165 CV	3	12	22	5	165	127	—	—	85	—	—	30	220	5.1	16.1	0.7	×	288
-195 CV					195	157							250	5.6	18	0.8		289
-225 CV					225	187							280		18.6	1.3	▲	290
-255 CV					255	217							310	5.8	20.7	1.6		291
-285 CV					285	247							340	6.1	22.4	2.1		292
BT50-SLSB16-110-M 42	1	16	24	4	110	42	30	—	28.4	42	—	32	165	3.8	15	0.7		293
-135-M 67					135	67			31				190	3.9	21.9	1.1		296
-140-M 42					140	42	60		28.4				195	4	15.6	0.9		294
-165-M 67					165	67			31				220	4.1	22.5	1.4		297
-M 97						97	30		34.2					4	30.2	1.7		299
-170-M 42	2				170	42	28	62	28.4		56		225	4.6	16.2	0.9		295
-195-M 67					195	67			31				250	4.7	23	1.4		298
-M 97	1					97	60	—	34.2		—			4.3	30.7	2		300
-M127						127	30		37.3	53				4.2	38.5	2.1		302
-225-M 97	2				225	97	28	62	34.2	42	56		280	4.9	31.3			301
-M127	1					127	60	—	37.3	53	—			4.6	39	2.3		303
-M157						157	30		40.5					4.4	46.8	2.6		305
-255-M127	2				255	127	28	62	37.3		67		310	5.5	39.6	2.3		304
-M157	1					157	60	—	40.5		—			4.8	47.3	2.8		306
-285-M157	2				285		28	62			67		340	5.7	47.9	2.9		307
-SLRB16- 90-M 22	1	16	32	8	90	22	30	—	34.3	42	—	32	145	3.8	9.6	0.3		308
-110-M 42					110	42			36.4				165	3.9	15.1	0.5		311
-120-M 22					120	22	60		34.3				175	4	10.1			309
-135-M 67					135	67	30		39				190	4.1	22	0.6		314
-140-M 42					140	42	60		36.4				195	4.2	15.7			312
-150-M 22	2				150	22	28	62	34.3		56		205	4.6	10.7	0.5		310
-165-M 67	1				165	67	60	—	39		—		220	4.3	22.6	0.9		315
-170-M 42	2				170	42	28	62	36.4		56		225	4.8	16.2	0.7		313
-195-M 67					195	67			39				250	4.9	23.2	0.9		316
-SLFB16- 90-M 22	1	16	32	8	90	22	30	—	34.3	42	—	32	145	3.8	9.6	0.3		317
-110-M 42					110	42			36.4				165	3.9	15.1	0.5		320
-120-M 22					120	22	60		34.3				175	4	10.1			318
-135-M 67					135	67	30		39				190	4.1	22	0.6		323
-140-M 42					140	42	60		36.4				195	4.2	15.7			321
-150-M 22	2				150	22	28	62	34.3		56		205	4.6	10.7	0.5		319
-165-M 67	1				165	67	60	—	39		—		220	4.3	22.6	0.9		324
-170-M 42	2				170	42	28	62	36.4		56		225	4.8	16.2	0.7		322
-195-M 67					195	67	28		39				250	4.9	23.2	0.9		325
-SLSB16-165 CV	3	16	21	2.5	165	127	—	—	85	—	—	32	220	5.4	17.8	0.6		326
-195 CV					195	157							250		17.7	1.1		327
-225 CV					225	187							280	6.3	21.1	1.2		328
-255 CV					255	217							310	6.1	20.9	2		329
-285 CV					285	247							340	7	24.3			330
-315 CV					315	277							370	8.6	30.9	2.6		331

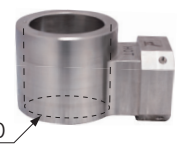
CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S	Scale model
BT50-SLSB20-110-M 42	1	20	29	4.5	110	42	30	—	33.4	42	—	40	165	3.8	16.8	0.5	332
-135-M 67					135	67			36				190	3.9	27.1	0.9	335
-140-M 42					140	42	60		33.4				195	4.1	17.4	0.8	333
-165-M 67					165	67			36				220	4.2	27.7	1.2	336
-M 97						97	30		39.2	53				4.1	39.4	1.1	338
-170-M 42	2				170	42	28	62	33.4	42	56		225	4.7	18	0.8	334
-195-M 67					195	67			36				250	4.8	28.2	1.2	337
-M 97	1					97	60	—	39.2	53	—			4.5	40	1.3	339
-M127						127	30		42.3					4.3	52.6	1.5	341
-225-M 97	2				225	97	28	62	39.2		67		280	5.4	40.6	1.3	340
-M127	1					127	60	—	42.3		—			4.7	53.2	1.8	342
-M157						157	30		45.5					4.6	65	1.7	344
-255-M127	2				255	127	28	62	42.3		67		310	5.6	53.7		343
-M157	1					157	60	—	45.5		—			5	65.5	2.2	345
-285-M157	2				285		28	62			67		340	5.9	66.1		346
-SLRB20-110-M 42	1	20	38	9	110	42	30	—	42.4	53	—	40	165	4	16.9	0.3	347
-135-M 67					135	67			45				190	4.2	27.2	0.4	350
-140-M 42					140	42	60		42.4				195	4.4	17.5		348
-165-M 67					165	67			45				220	4.6	27.8	0.6	351
-170-M 42	2				170	42	28	62	42.4		67		225	5.3	18.1	0.4	349
-195-M 67					195	67			45				250	5.5	28.4	0.6	352
-SLFB20-110-M 42	1	20	38	9	110	42	30	—	42.4	53	—	40	165	4	16.9	0.3	353
-135-M 67					135	67			45				190	4.2	27.2	0.4	356
-140-M 42					140	42	60		42.4				195	4.4	17.5		354
-165-M 67					165	67			45				220	4.6	27.8	0.6	357
-170-M 42	2				170	42	28	62	42.4		67		225	5.3	18.1	0.4	355
-195-M 67					195	67			45				250	5.5	28.4	0.6	358
-SLSB20-165 CV	3	20	26	3	165	127	—	—	85	—	—	40	220	5.4	17.4	0.6	359
-195 CV					195	157							250	6.1	20.8	0.7	360
-225 CV					225	187							280	5.8	20.5	1.2	361
-255 CV					255	217							310	6.7	23.9	1.3	362
-285 CV					285	247							340	7	25.4	1.7	363
-315 CV					315	277							370	8.9	32.4	2.3	364
BT50-SLRB25-110-M 42	1	25	45	10	110	42	30	—	49.4	53	—	45	165	4.1	19	0.3	365
-140-M 42					140		60						195	4.5	19.6	0.4	366
-170-M 42	2				170		28	62			67			5.3	20.2		367
-SLFB25-110-M 42	1	25	45	10	110	42	30	—	49.4	53	—	45	165	4.1	19	0.3	368
-140-M 42					140		60						195	4.5	19.6	0.4	369
-170-M 42	2				170		28	62			67			5.4	20.2		370
BT50-SLRB32-110-M 42	1	32	54	11	110	42	30	—	58.4	63	—	50	160	4.0	11.2	0.2	371
-140-M 42					140		60						171	4.6	13.4	0.3	372
-170-M 42	2				170		28	62			77			5.8	19.6		373

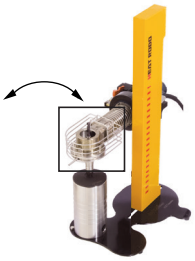
NEW

φ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70

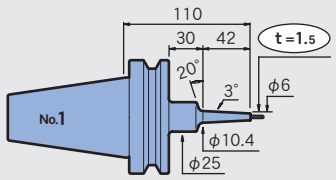




HEAT ROBO Baby3000S

ϕ3

BT50-SLSA3-110-M42



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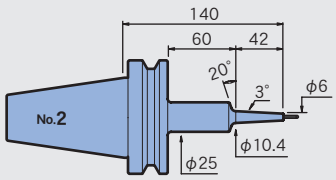

9.8

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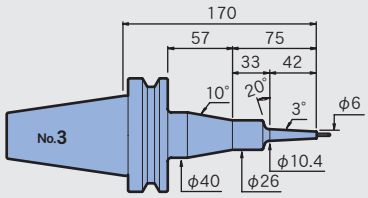
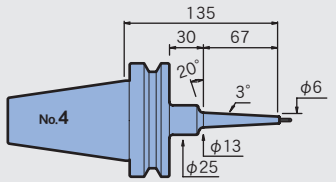


9.9

BT50-SLSA3-135-M67



14.7

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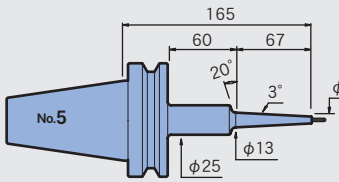

15.9

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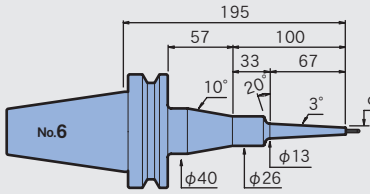

15.8

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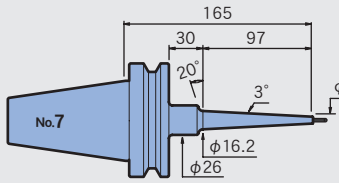
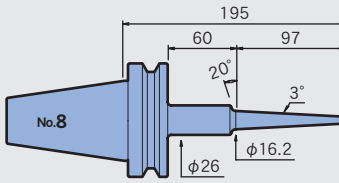


20.8

BT50-SLSA3-195-M97



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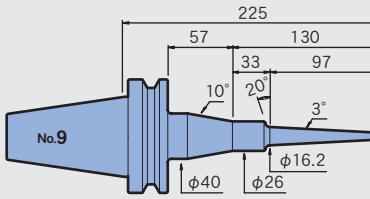

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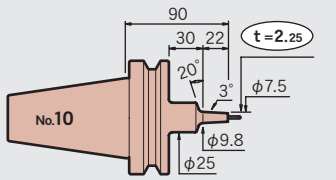
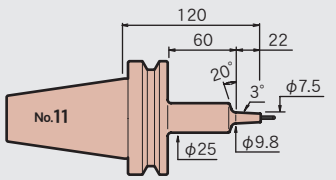
BT50-SLRA3-90-M22



2.8

BT50-SLRA3-120-M22



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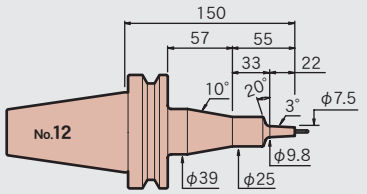
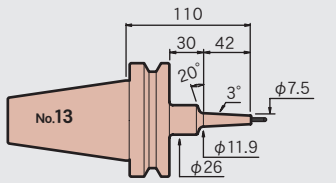
BT50-SLRA3-150-M22



3.2

BT50-SLRA3-110-M42



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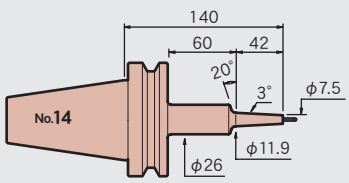
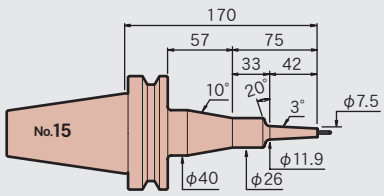


6.0

BT50-SLRA3-170-M42



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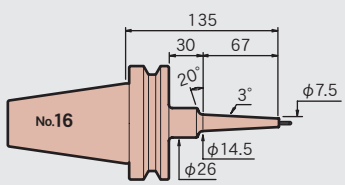
BT50-SLRA3-135-M67



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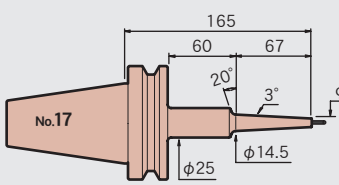
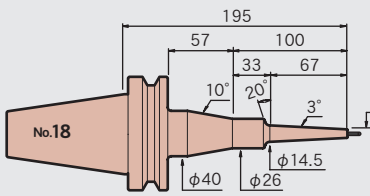


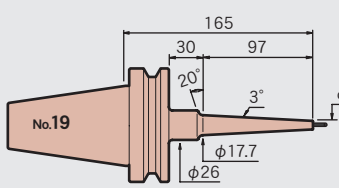
10.0

BT50-SLRA3-195-M67



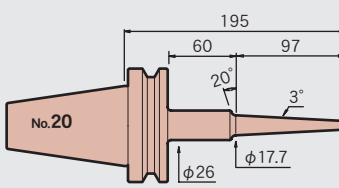
9.8

BT50-SLRA3-165-M97



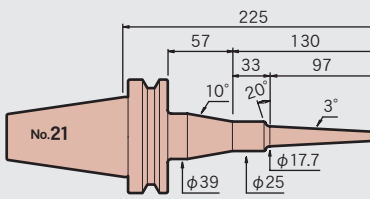
13.0

BT50-SLRA3-195-M97



14.5

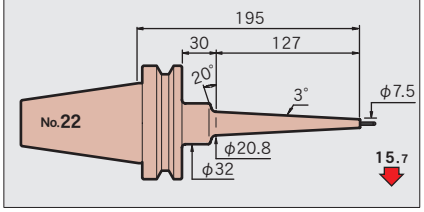
BT50-SLRA3-225-M97



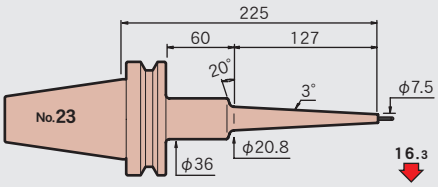
14.4

BT50 S=1:7

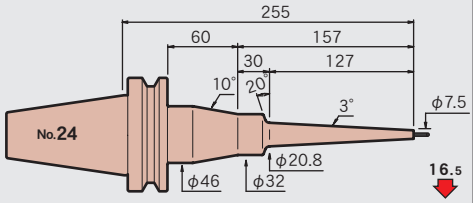
BT50-SLRA3-195-M127



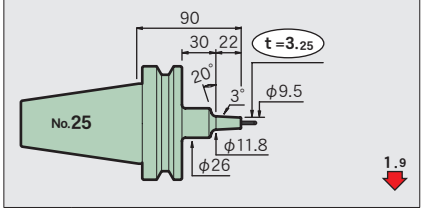
BT50-SLRA3-225-M127



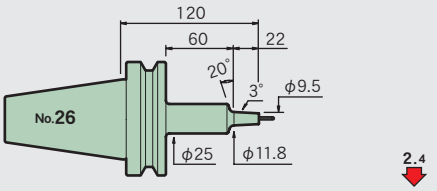
BT50-SLRA3-255-M127



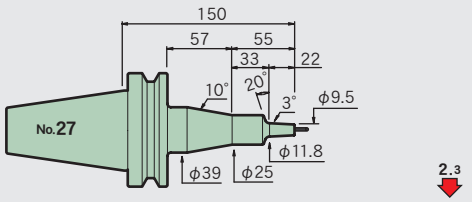
BT50-SLFB3-90-M22



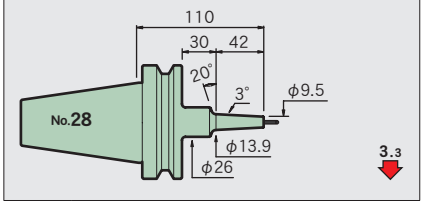
BT50-SLFB3-120-M22



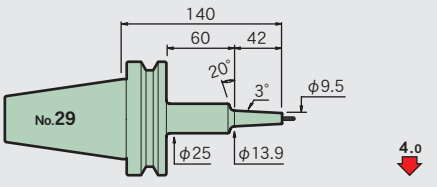
BT50-SLFB3-150-M22



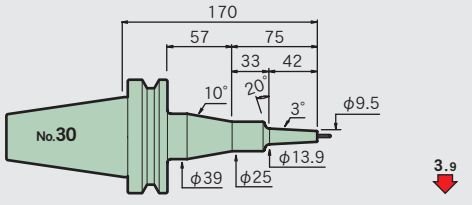
BT50-SLFB3-110-M42



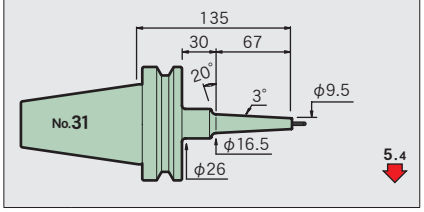
BT50-SLFB3-140-M42



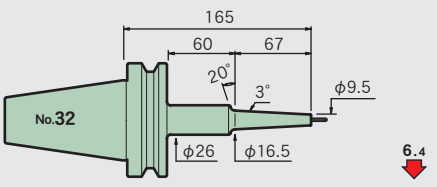
BT50-SLFB3-170-M42



BT50-SLFB3-135-M67



BT50-SLFB3-165-M67



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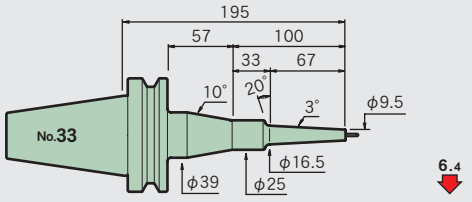

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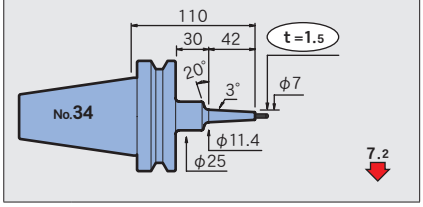
BT50-SLSA4-110-M42



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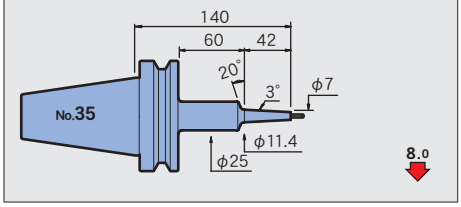
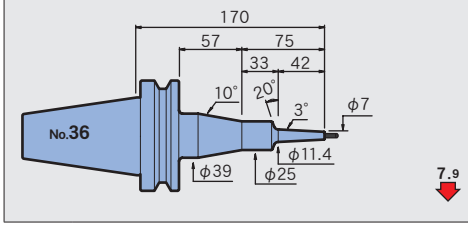


BT50-SLSA4-170-M42



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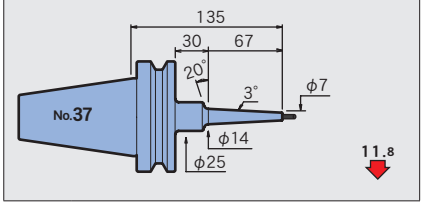

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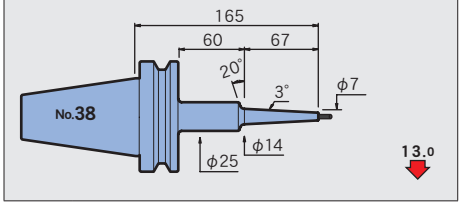

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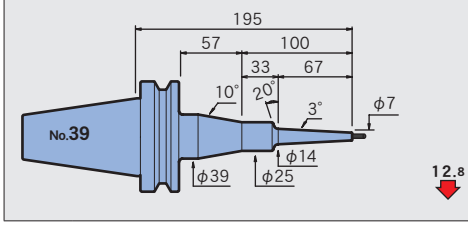
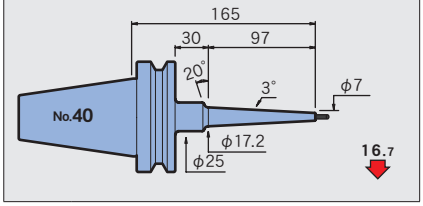
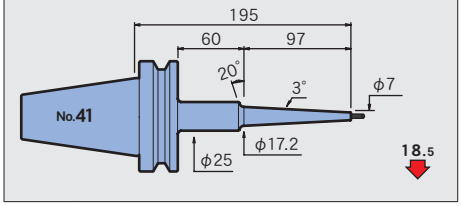


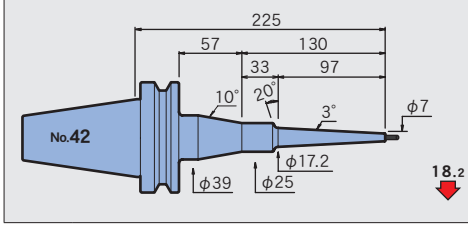
BT50-SLSA4-165-M97



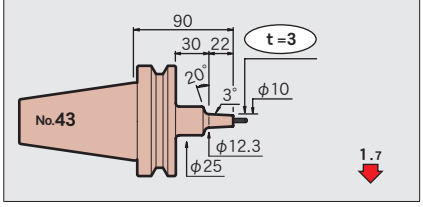
BT50-SLSA4-195-M97



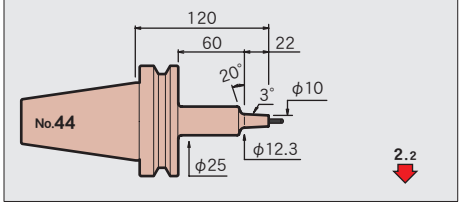
BT50-SLSA4-225-M97



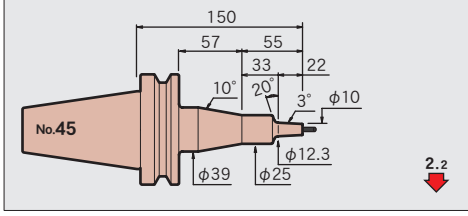
BT50-SLRA4-90-M22



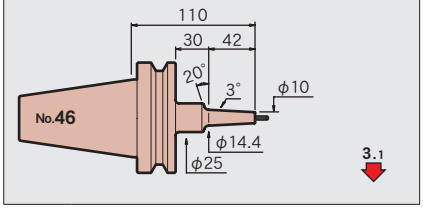
BT50-SLRA4-120-M22



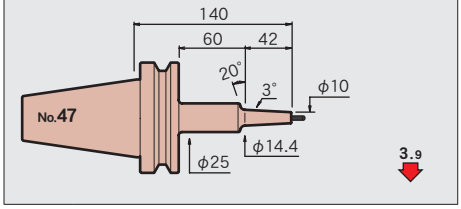
BT50-SLRA4-150-M22



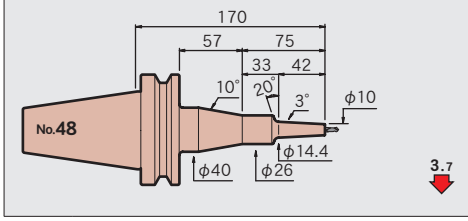
BT50-SLRA4-110-M42



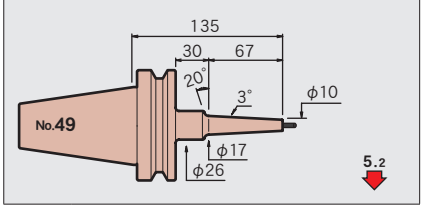
BT50-SLRA4-140-M42



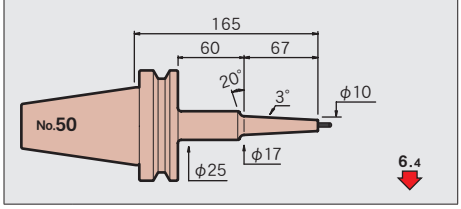
BT50-SLRA4-170-M42



BT50-SLRA4-135-M67



BT50-SLRA4-165-M67



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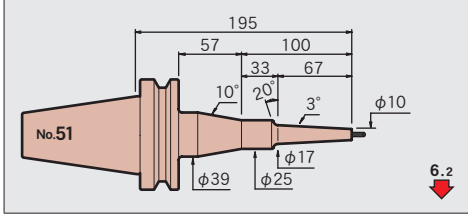
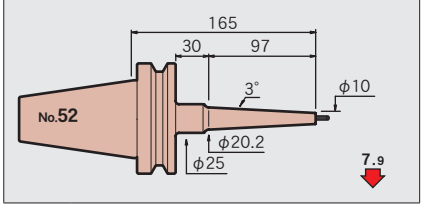


BT50-SLRA4-165-M97



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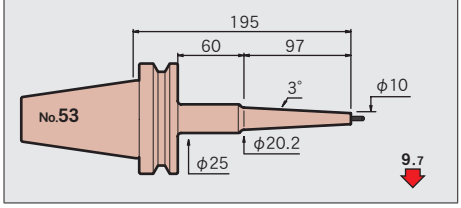
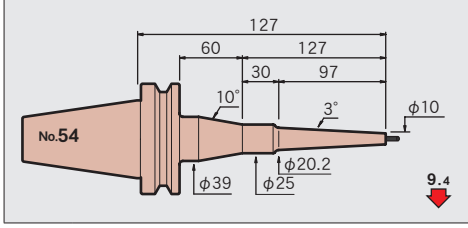
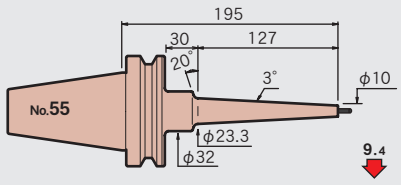


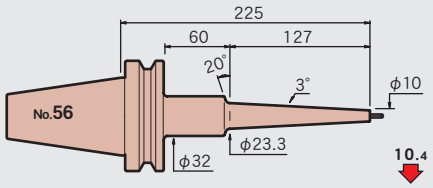
BT50-SLRA4-225-M97



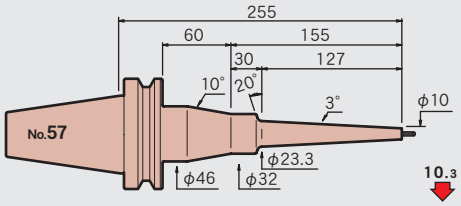
BT50-SLRA4-195-M127



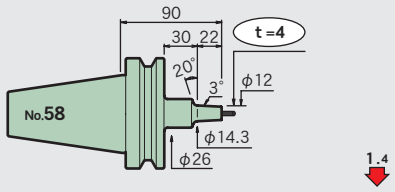
BT50-SLRA4-225-M127



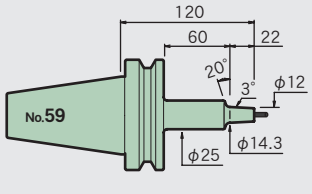
BT50-SLRA4-255-M127



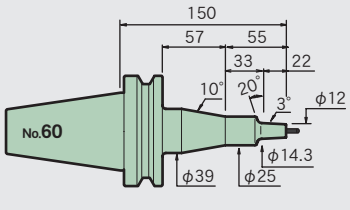
BT50-SLFB4-90-M22



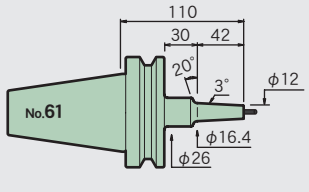
BT50-SLFB4-120-M22



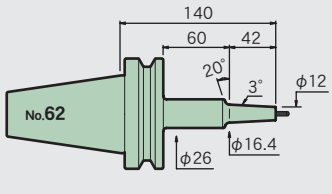
BT50-SLFB4-150-M22



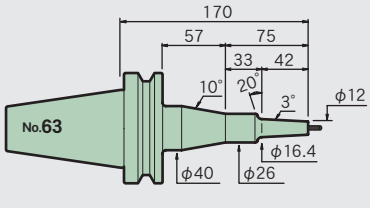
BT50-SLFB4-110-M42



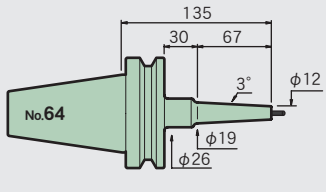
BT50-SLFB4-140-M42



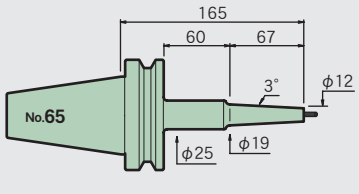
BT50-SLFB4-170-M42



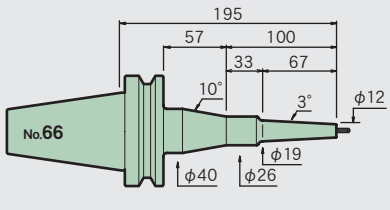
BT50-SLFB4-135-M67



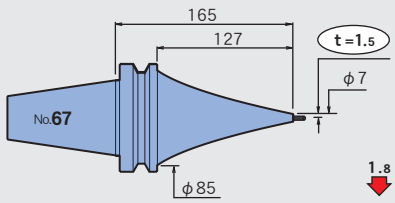
BT50-SLFB4-165-M67



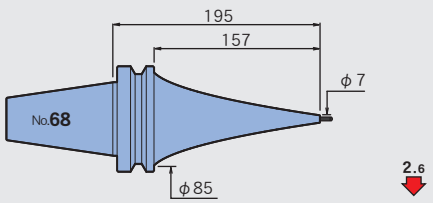
BT50-SLFB4-195-M67



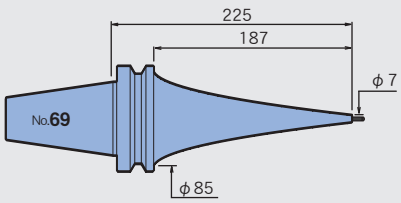
BT50-SLSA4-165 CV



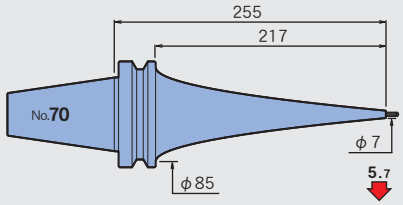
BT50-SLSA4-195 CV



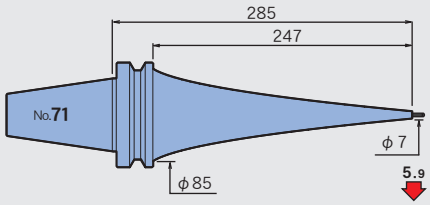
BT50-SLSA4-225 CV



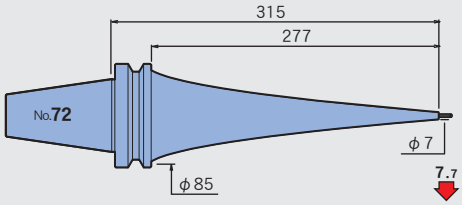
BT50-SLSA4-255 CV



BT50-SLSA4-285 CV

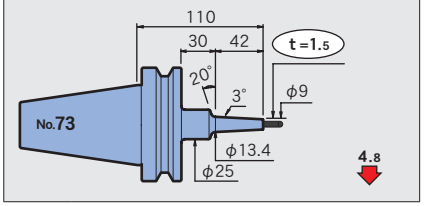


BT50-SLSA4-315 CV

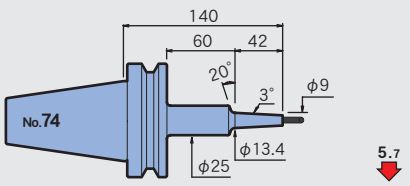


φ6

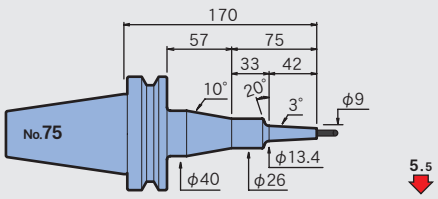
BT50-SLSA6-110-M42



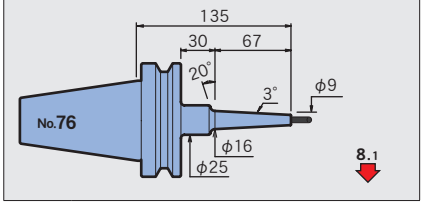
BT50-SLSA6-140-M42



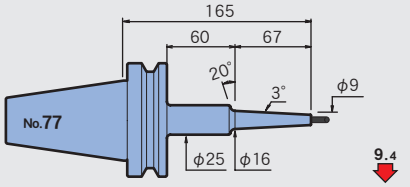
BT50-SLSA6-170-M42



BT50-SLSA6-135-M67



BT50-SLSA6-165-M67



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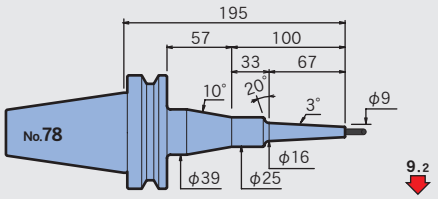

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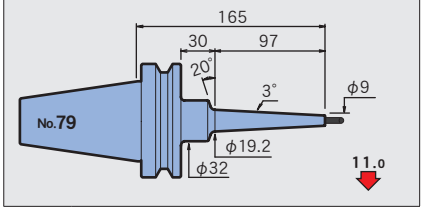

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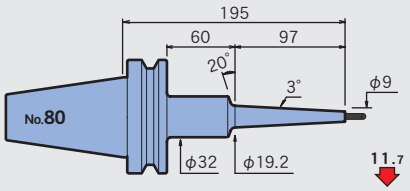
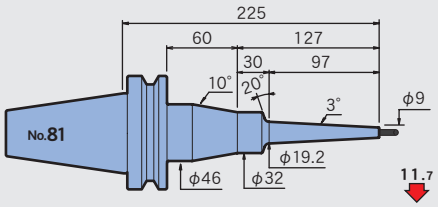
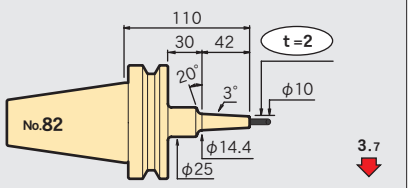


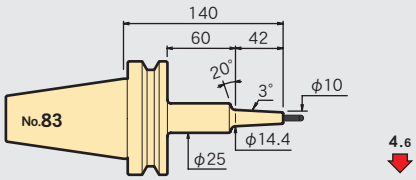
BT50-SLSA6-225-M97



BT50-SLSB6-110-M42



BT50-SLSB6-140-M42



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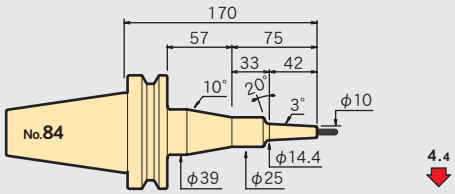
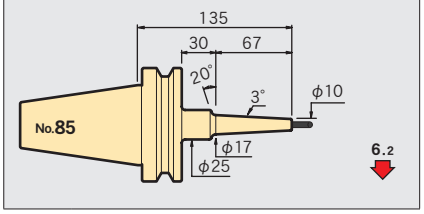


BT50-SLSB6-135-M67



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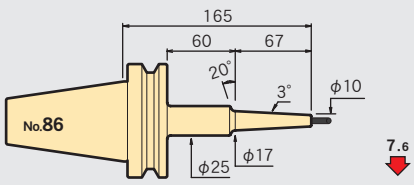

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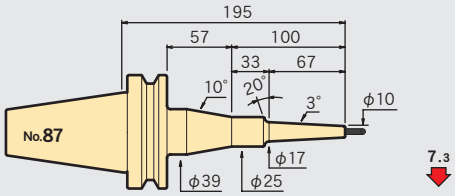

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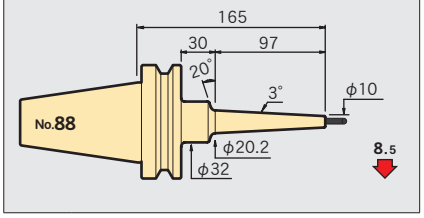

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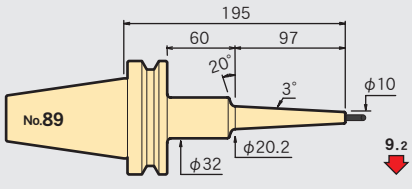
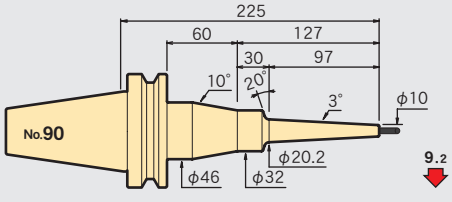
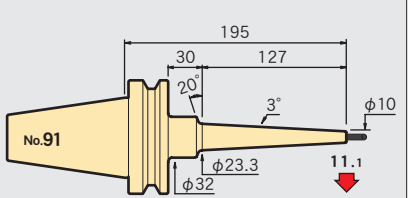


BT50-SLSB6-225-M97



BT50-SLSB6-195-M127



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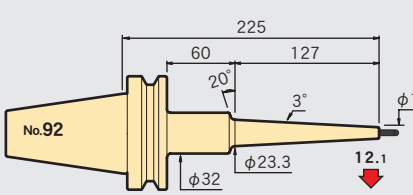
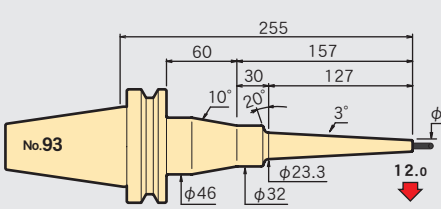


BT50-SLSB6-255-M127



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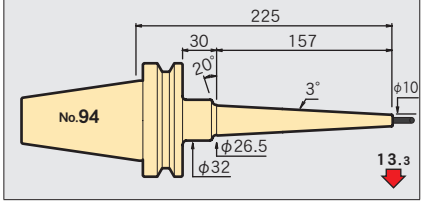
BT50-SLSB6-225-M157



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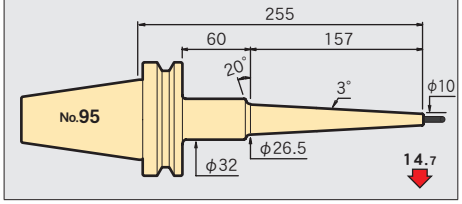

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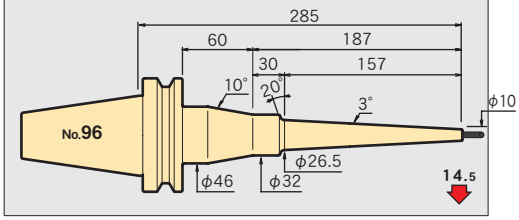
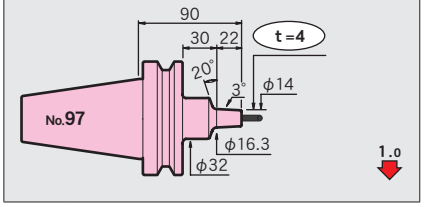


BT50-SLRB6-90-M22



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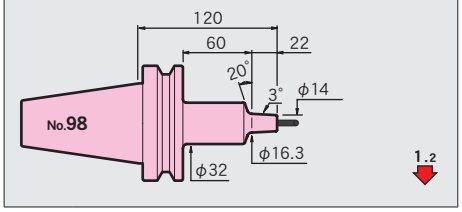

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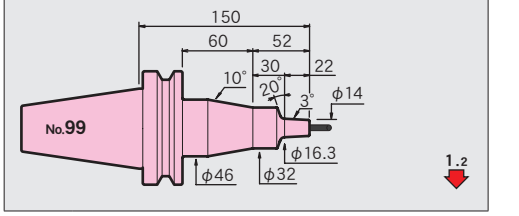
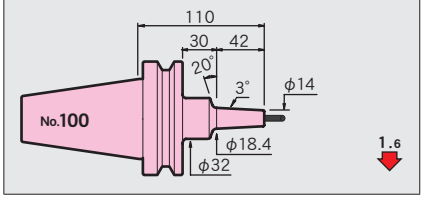


BT50-SLRB6-110-M42



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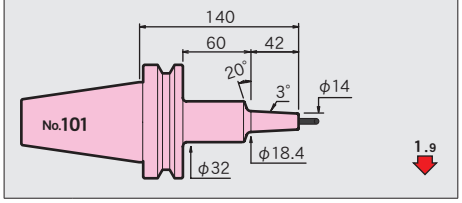

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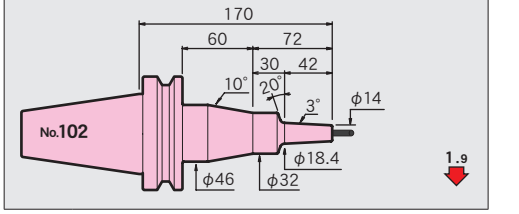

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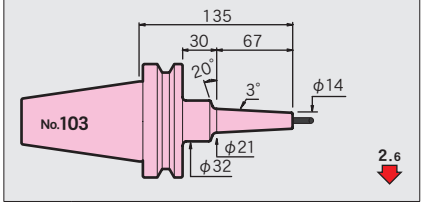

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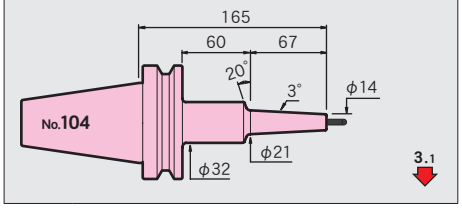

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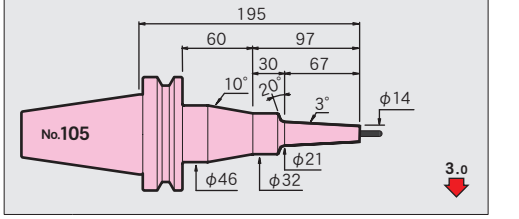

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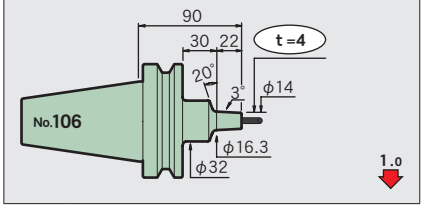

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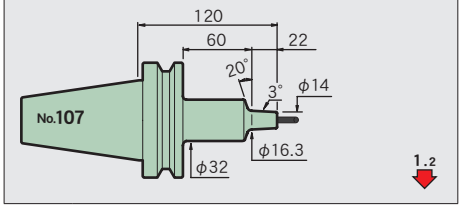
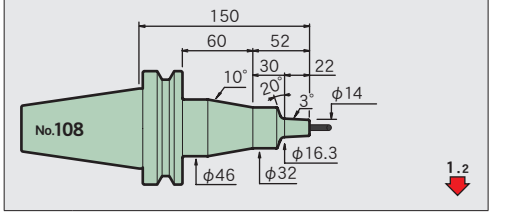
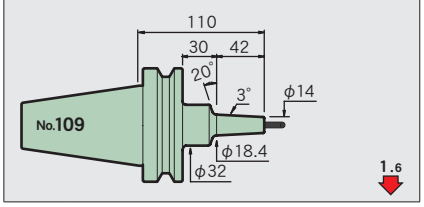


BT50-SLFB6-150-M22



BT50-SLFB6-110-M42



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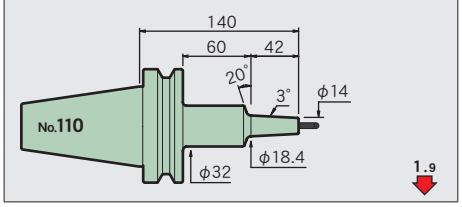

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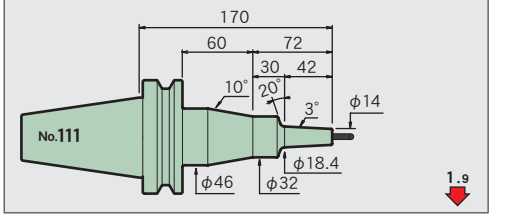

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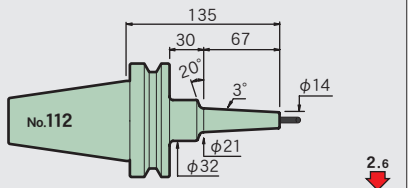

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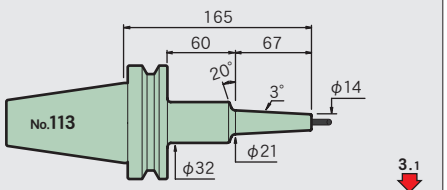

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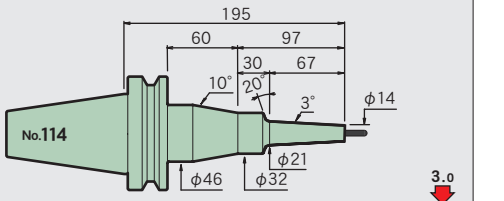
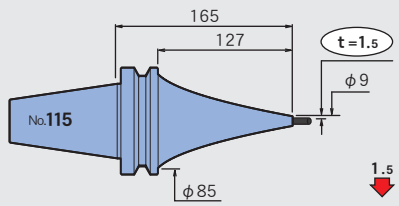
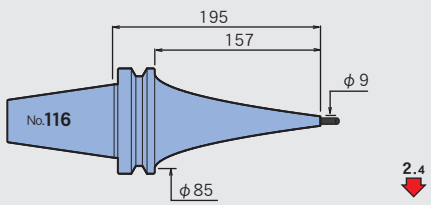


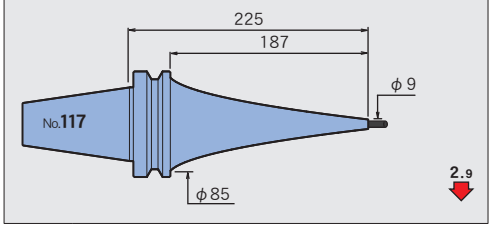
BT50-SLSA6-165 CV



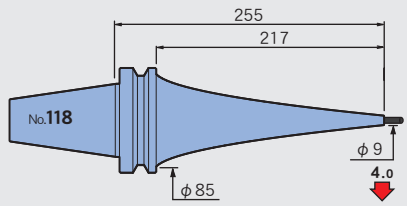
BT50-SLSA6-195 CV



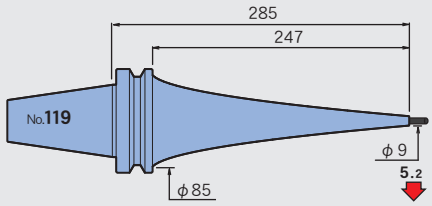
BT50-SLSA6-225 CV



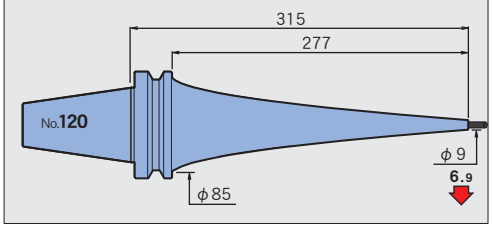
BT50-SLSA6-255 CV



BT50-SLSA6-285 CV



BT50-SLSA6-315 CV



BT50 S=1:7

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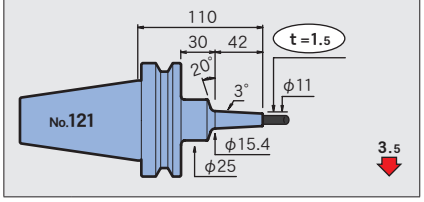
BT50-SLSA8-110-M42



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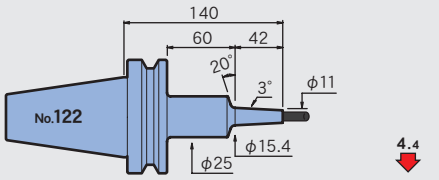

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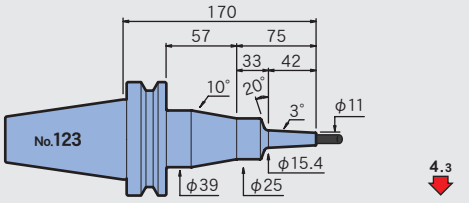
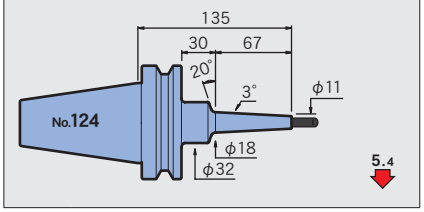


BT50-SLSA8-135-M67



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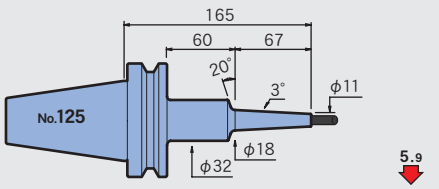

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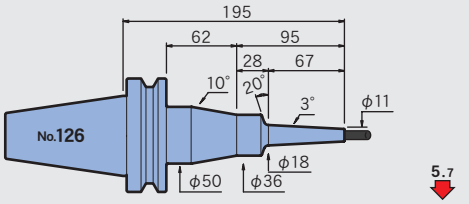
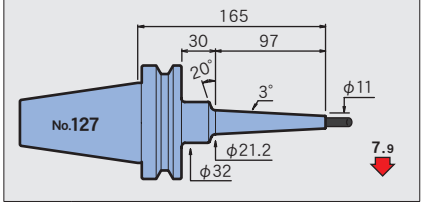


BT50-SLSA8-165-M97



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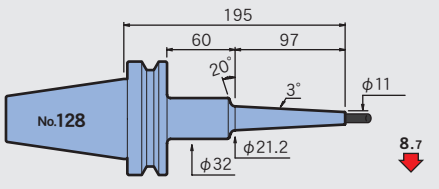
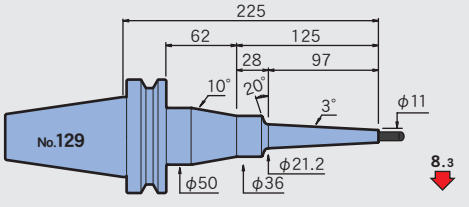
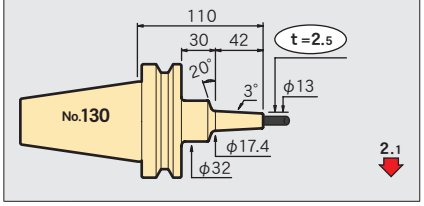


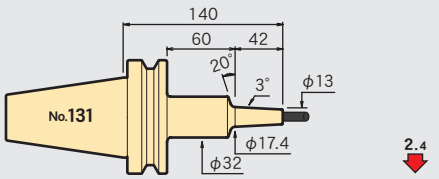
BT50-SLSA8-225-M97



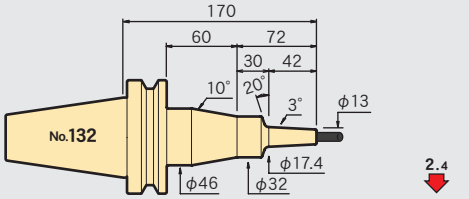
BT50-SLSB8-110-M42



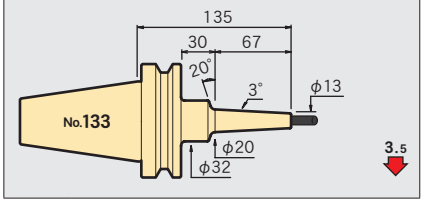
BT50-SLSB8-140-M42



BT50-SLSB8-170-M42



BT50-SLSB8-135-M67



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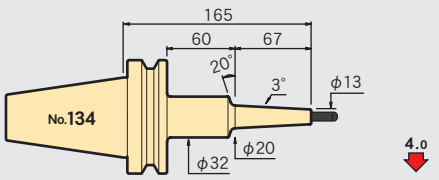
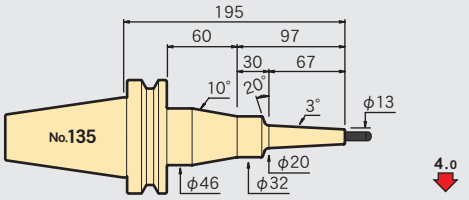
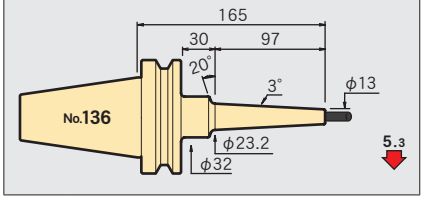


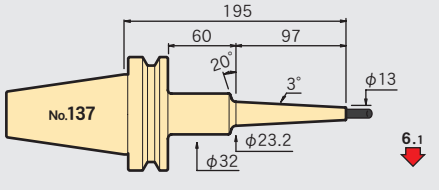
BT50-SLSB8-195-M67



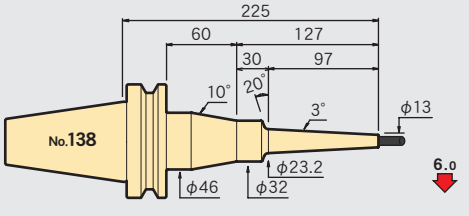
BT50-SLSB8-165-M97



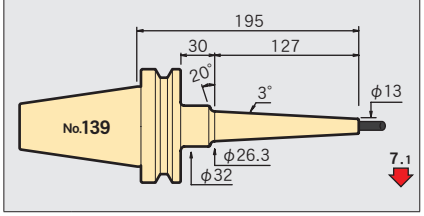
BT50-SLSB8-195-M97



BT50-SLSB8-225-M97



BT50-SLSB8-195-M127



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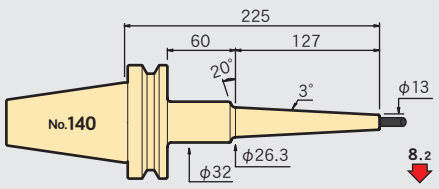

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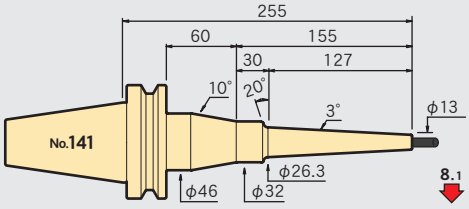

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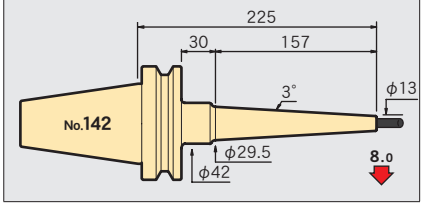

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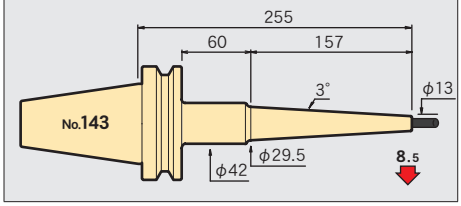
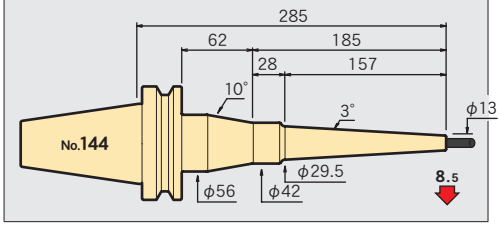
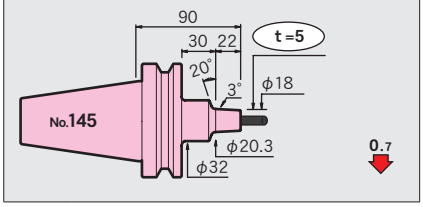


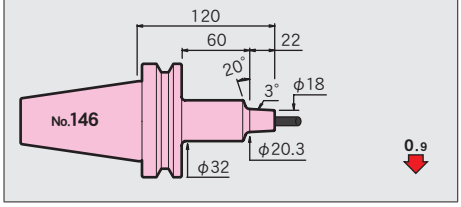
BT50-SLSB8-285-M157



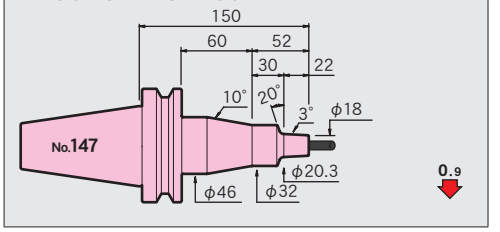
BT50-SLRB8-90-M22



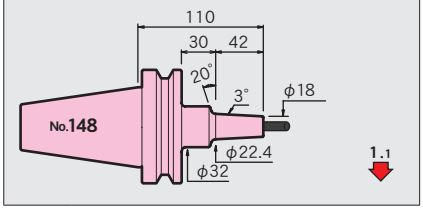
BT50-SLRB8-120-M22



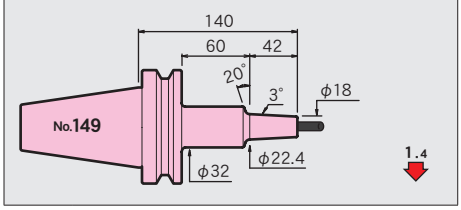
BT50-SLRB8-150-M22



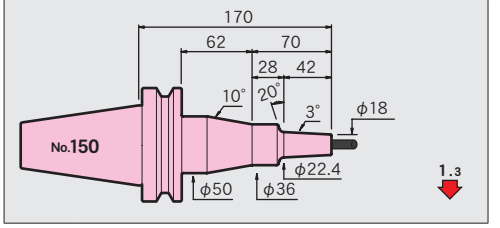
BT50-SLRB8-110-M42



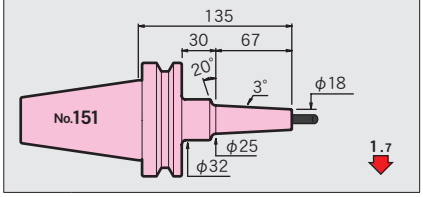
BT50-SLRB8-140-M42



BT50-SLRB8-170-M42



BT50-SLRB8-135-M67



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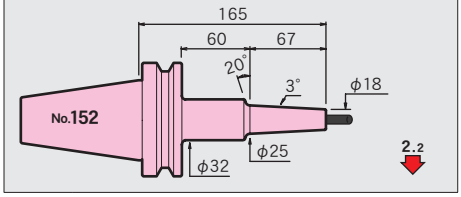

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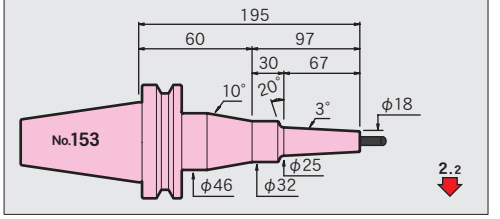

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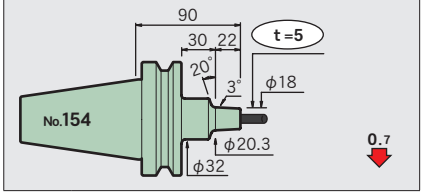

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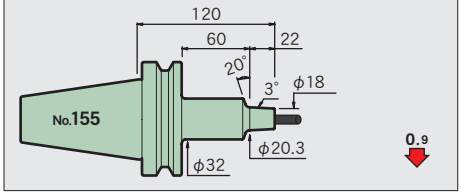

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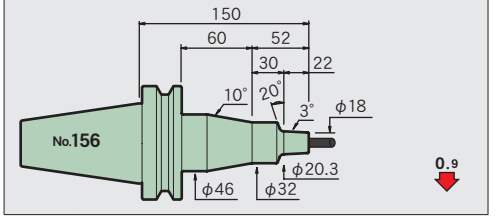
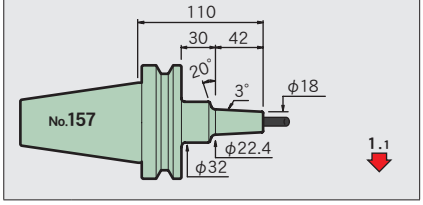


BT50-SLFB8-110-M42



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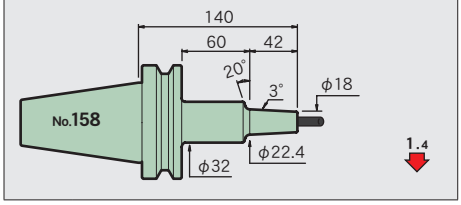

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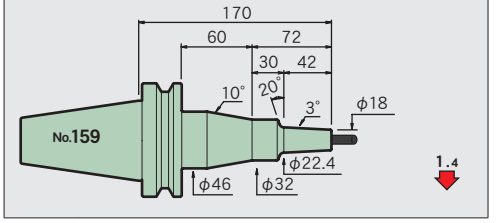

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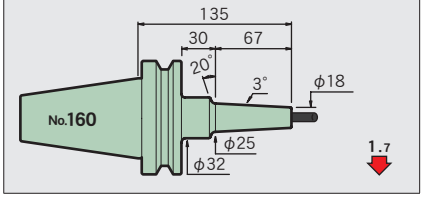

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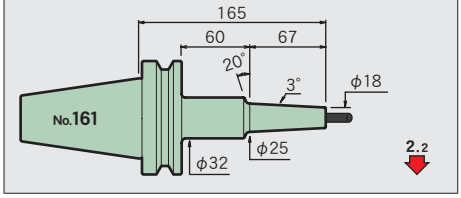

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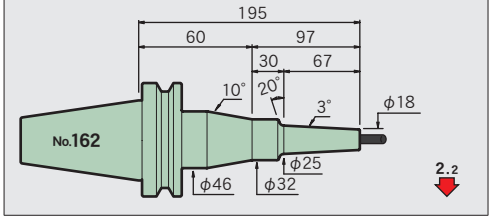
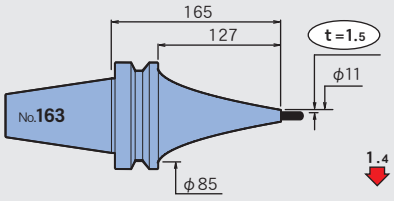


BT50-SLSA8-165 CV



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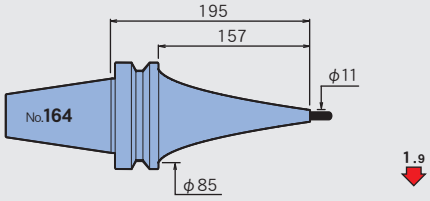
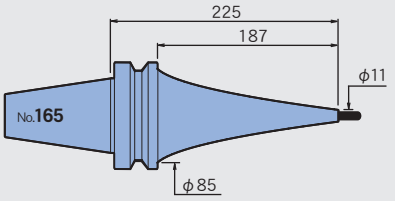
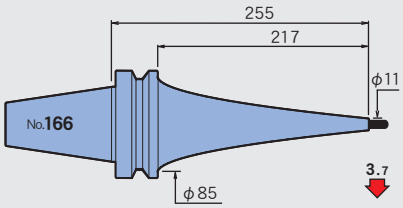


BT50-SLSA8-225 CV



BT50-SLSA8-255 CV



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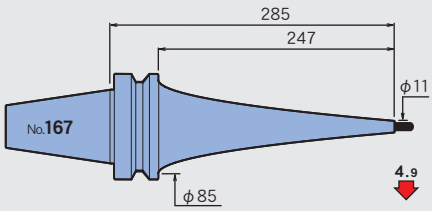
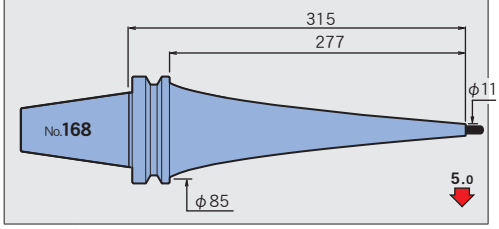
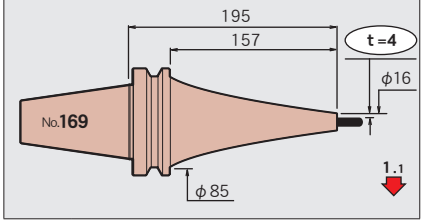


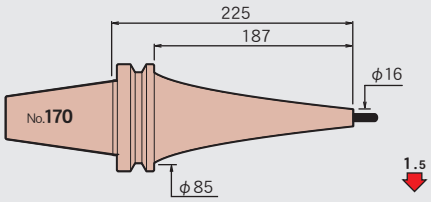
BT50-SLSA8-315 CV



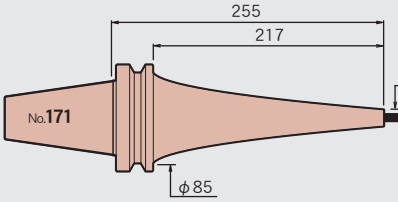
BT50-SLRA8-195 CV



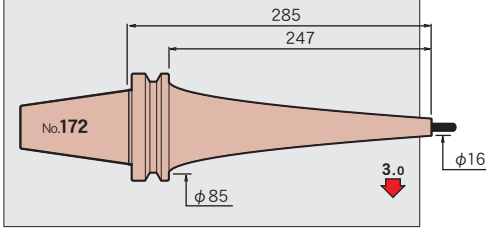
BT50-SLRA8-225 CV



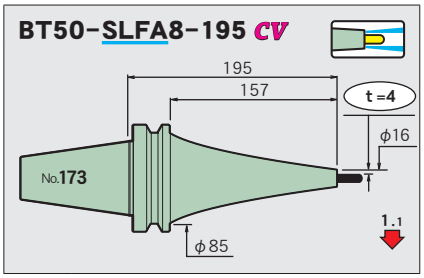
BT50-SLRA8-255 CV



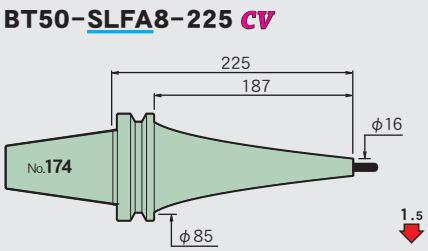
BT50-SLRA8-285 CV



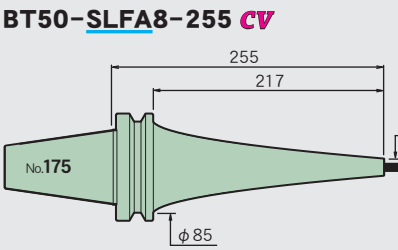
BT50-SLFA8-195 CV



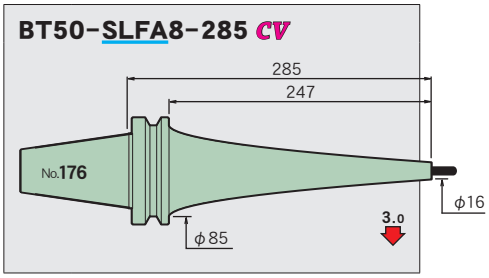
BT50-SLFA8-225 CV



BT50-SLFA8-255 CV



BT50-SLFA8-285 CV



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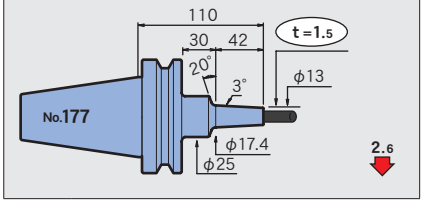
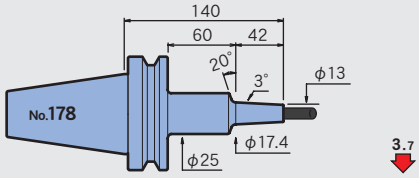
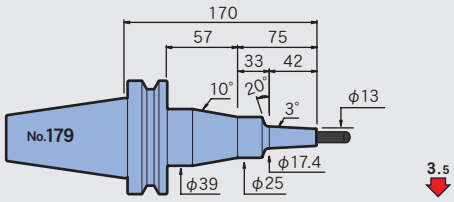
BT50-SLSA10-110-M42



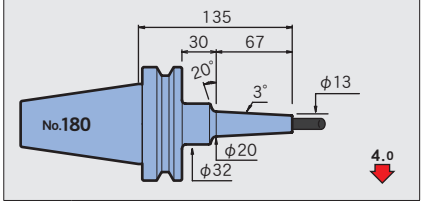
BT50-SLSA10-140-M42



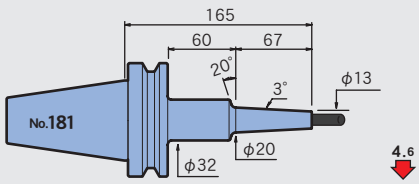
BT50-SLSA10-170-M42



BT50-SLSA10-135-M67



BT50-SLSA10-165-M67



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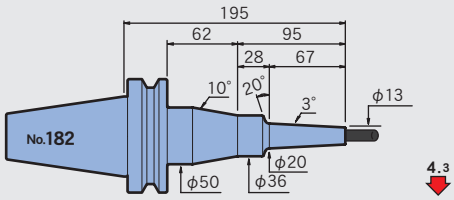

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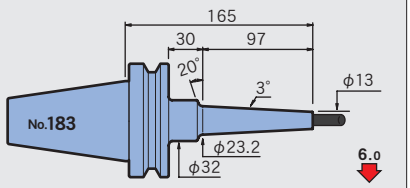

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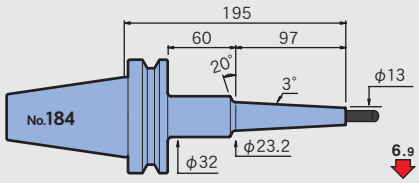

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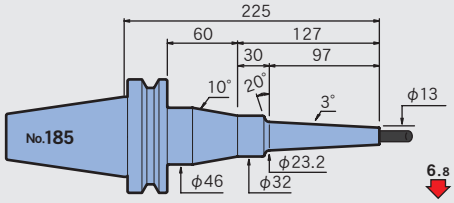

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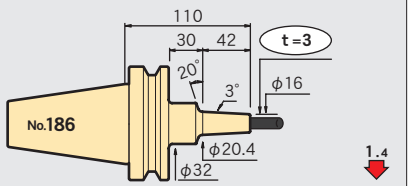

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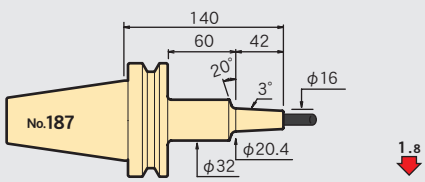

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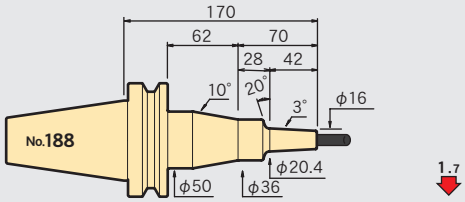

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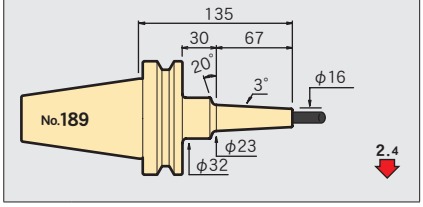

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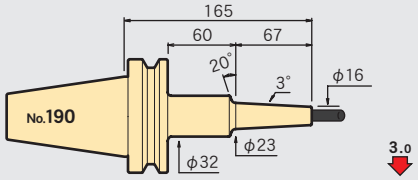

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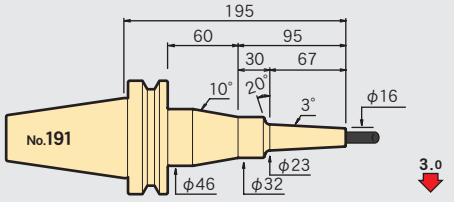

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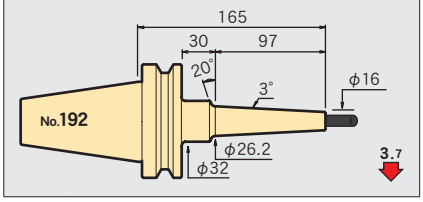
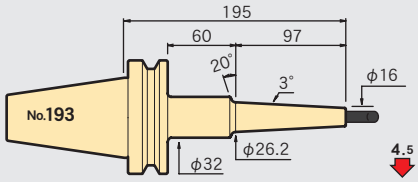


BT50-SLSB10-195-M97



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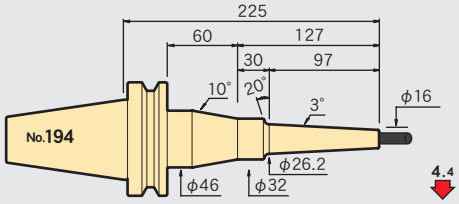

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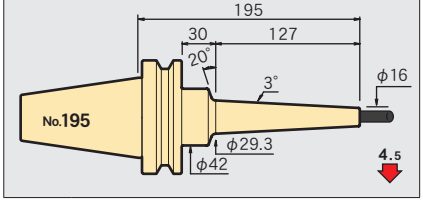

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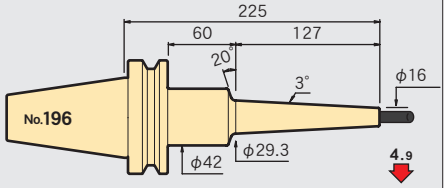
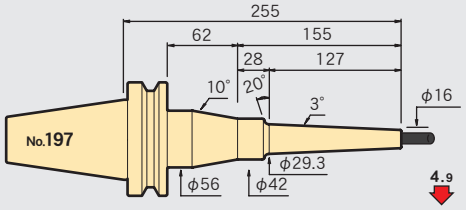


BT50-SLSB10-255-M127



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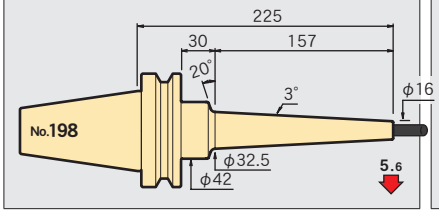

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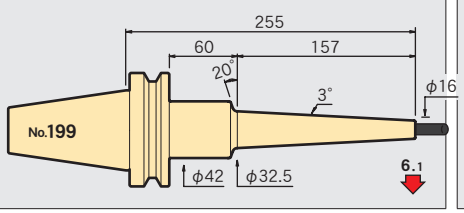

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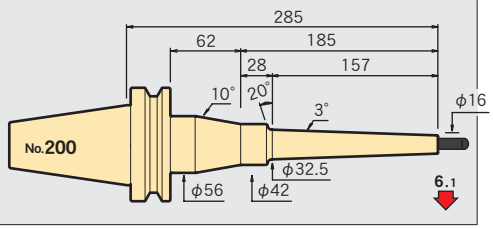
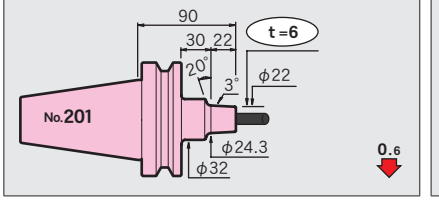


BT50-SLRB10-90-M22



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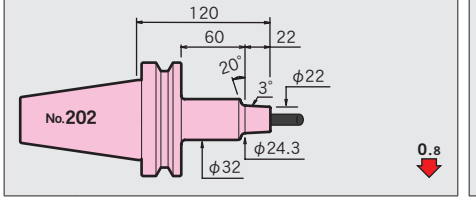

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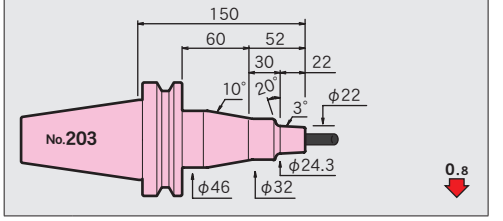

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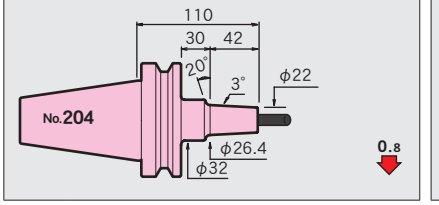

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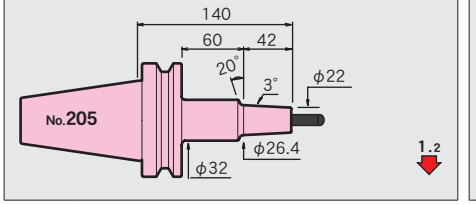

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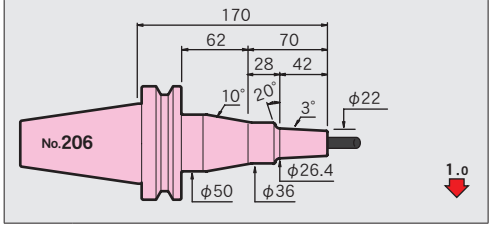

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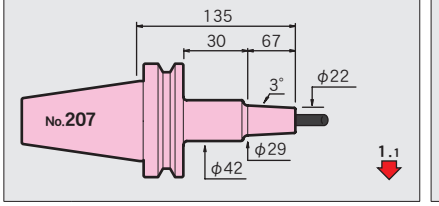

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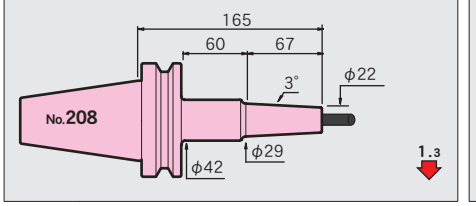

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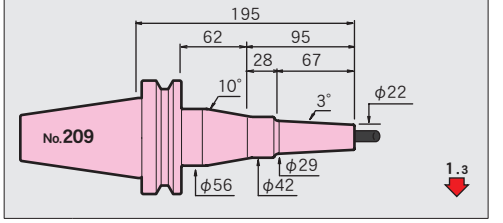

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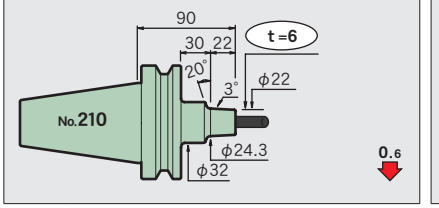

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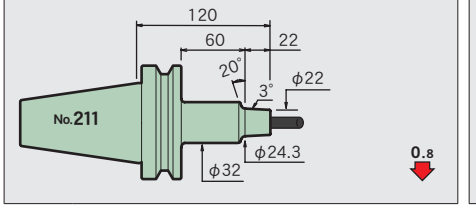

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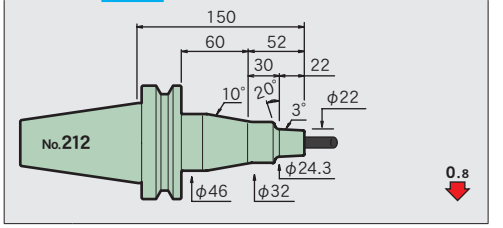

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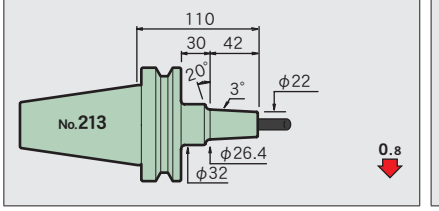

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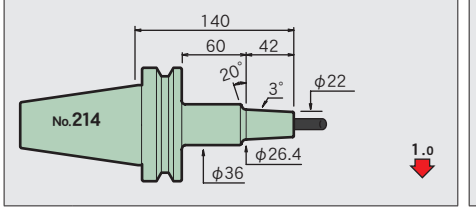

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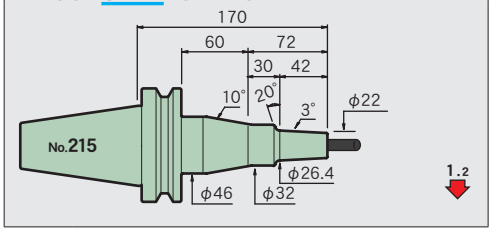

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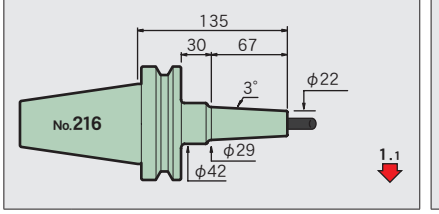

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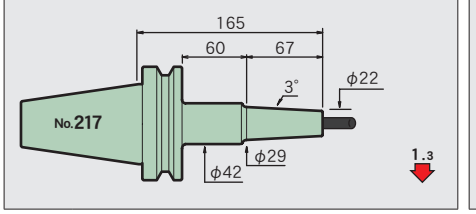

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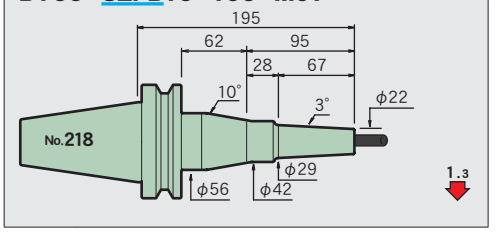

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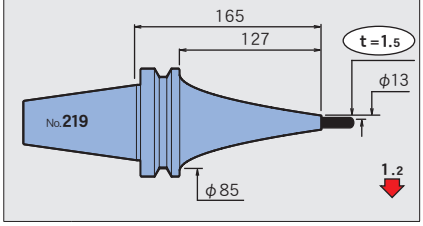

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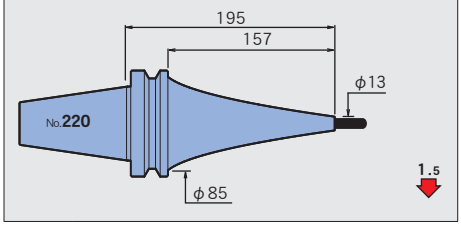

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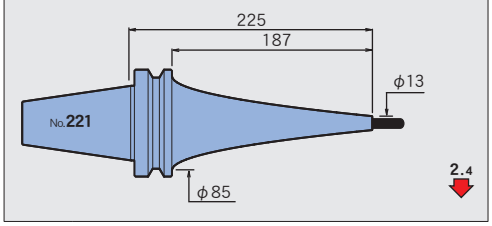
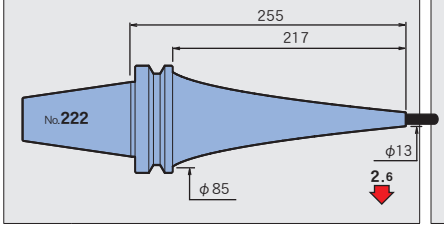


BT50-SLSA10-255 CV



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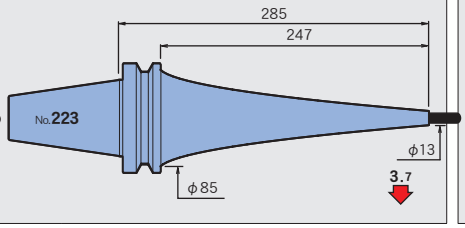

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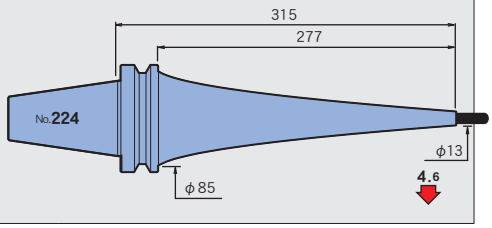

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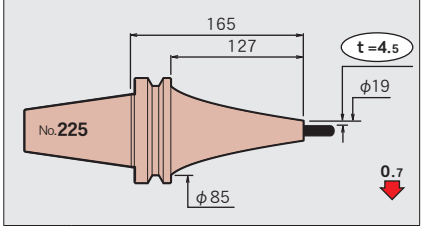

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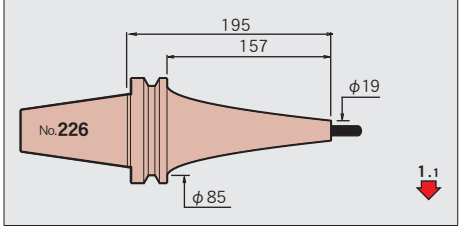

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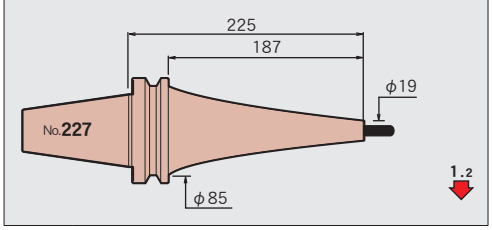

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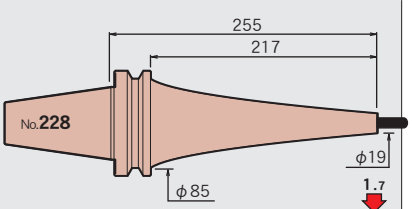

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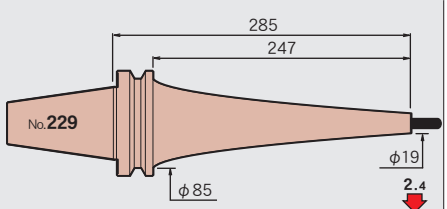

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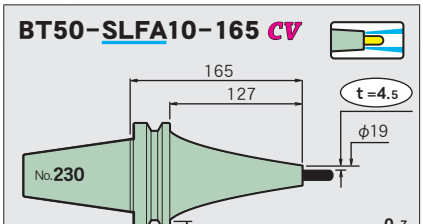
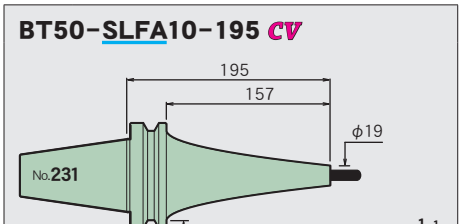


BT50-SLFA10-195 CV



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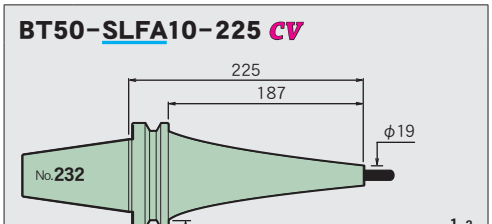
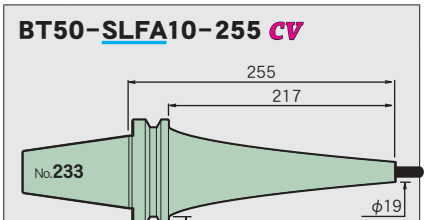


BT50-SLFA10-255 CV



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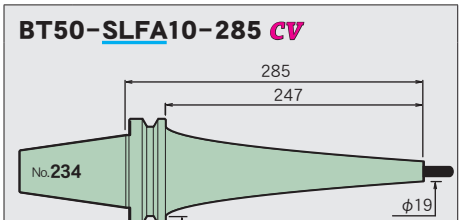

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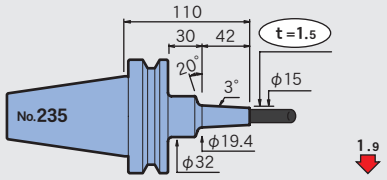
BT50-SLSA12-110-M42



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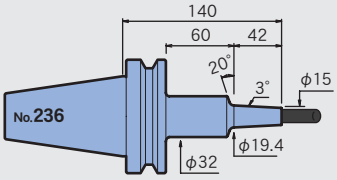

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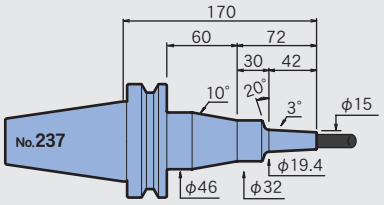

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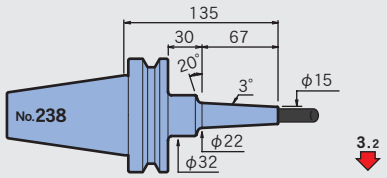

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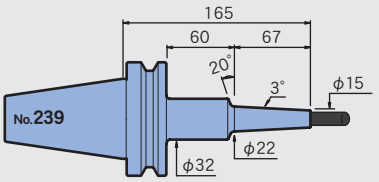

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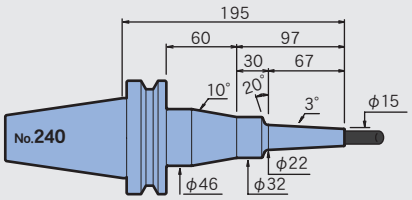

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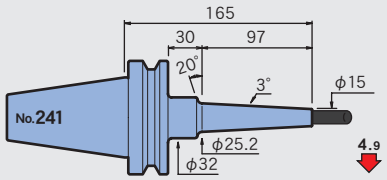

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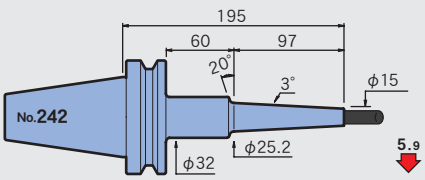

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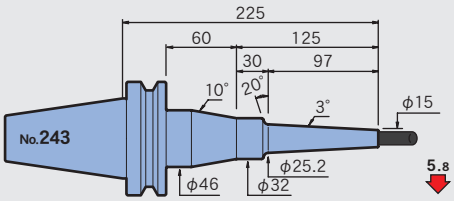

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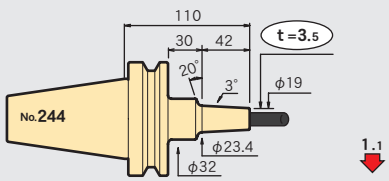

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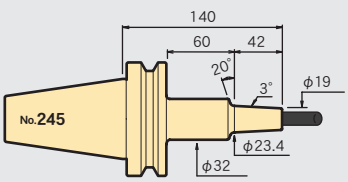

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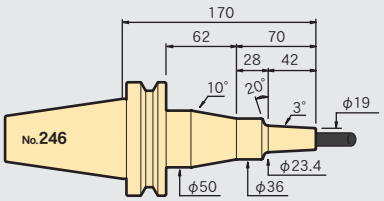

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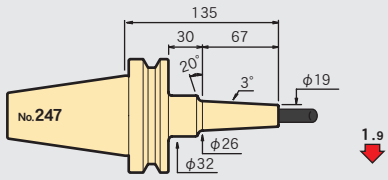

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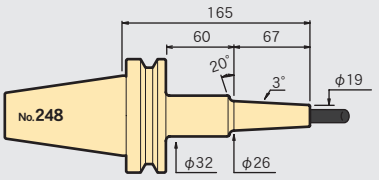

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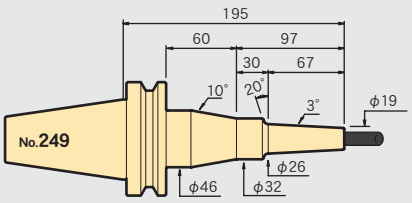

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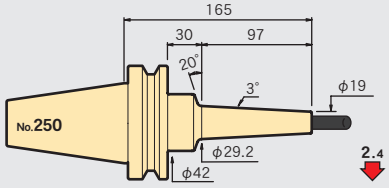
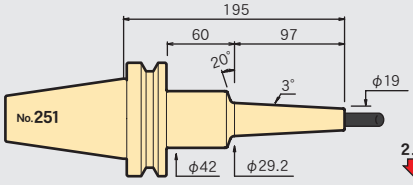


BT50-SLSB12-195-M97



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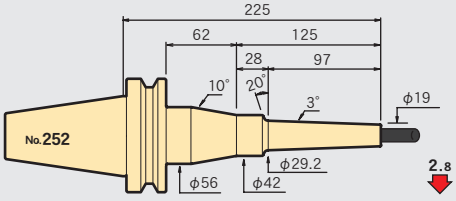

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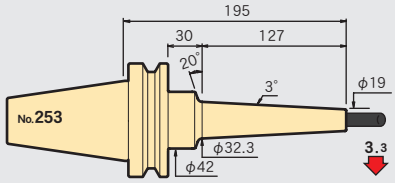

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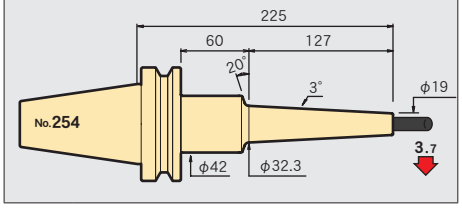

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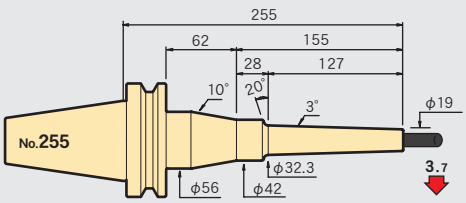

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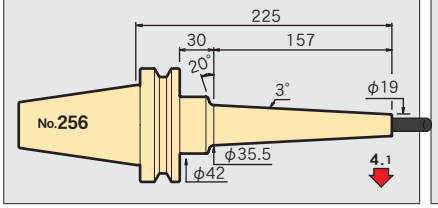

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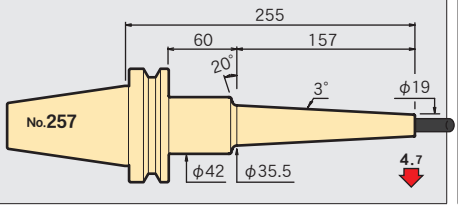

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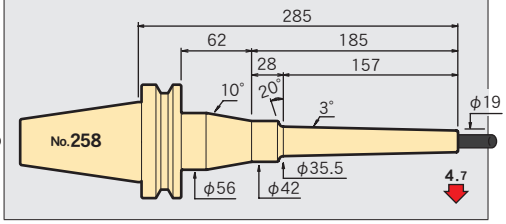

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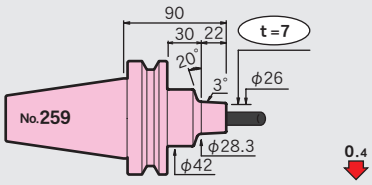

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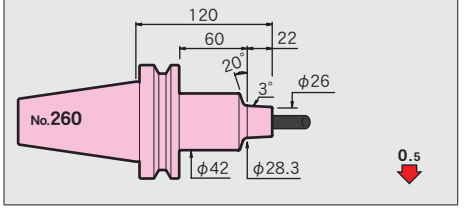

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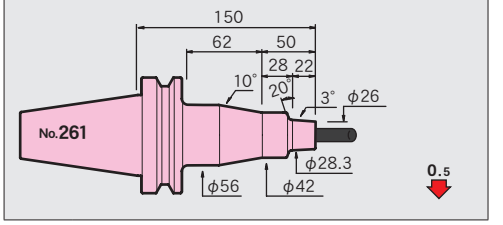

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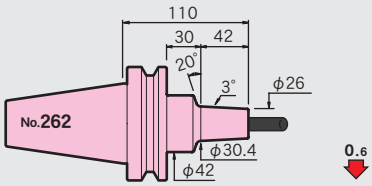

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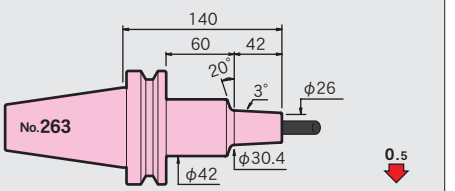

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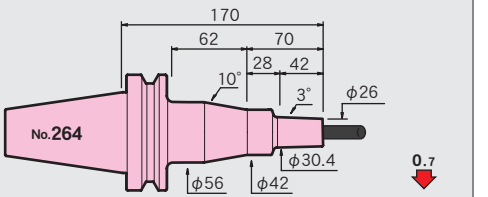

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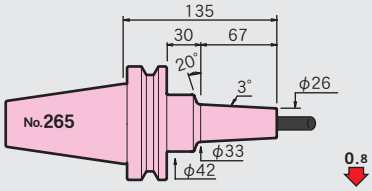

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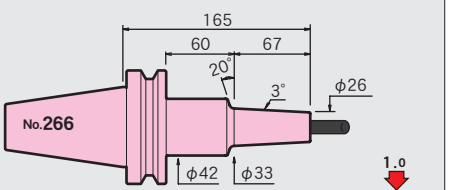

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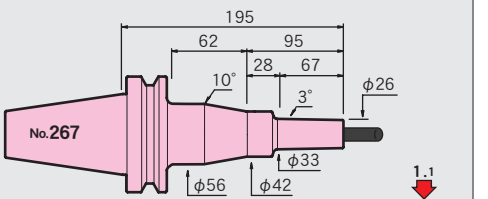

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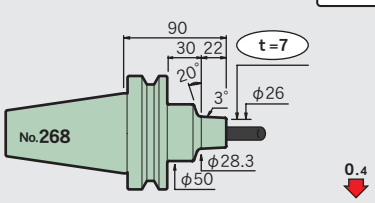

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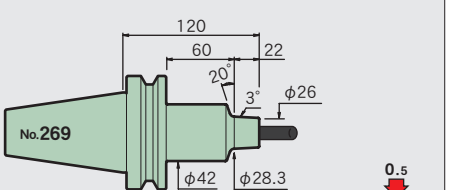

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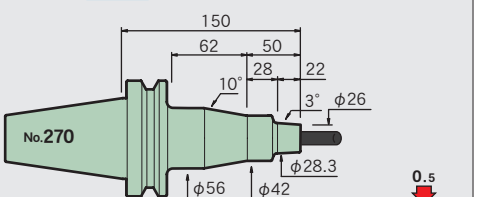

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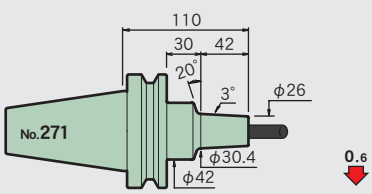

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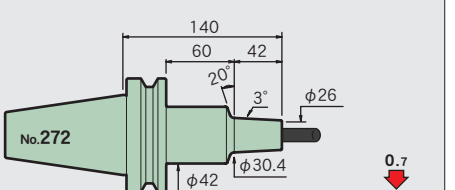

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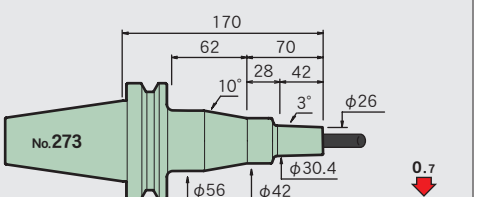

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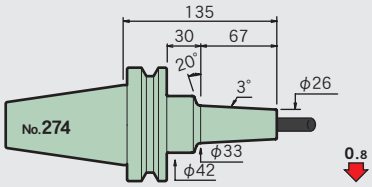

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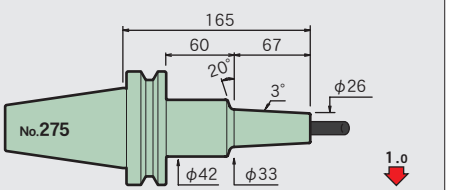

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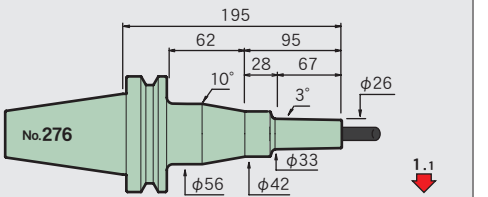

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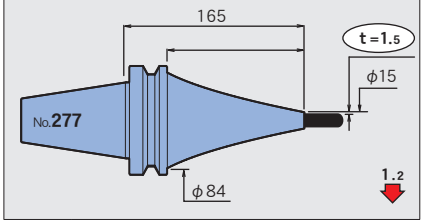

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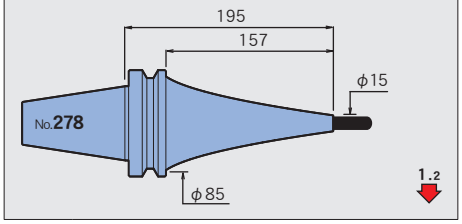

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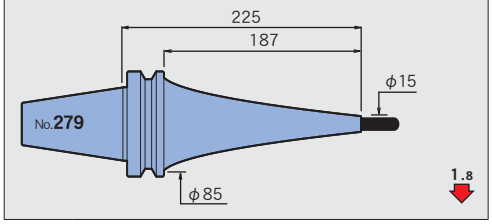

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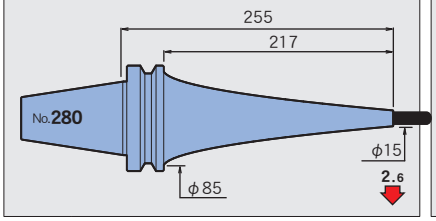

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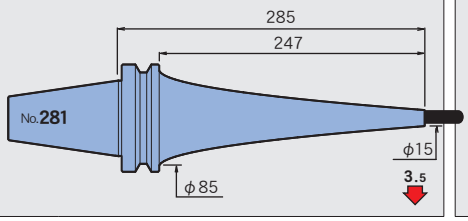

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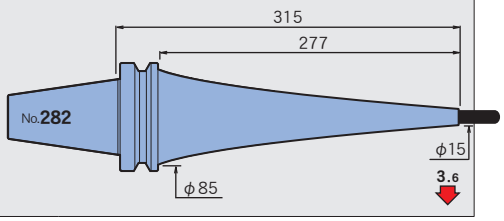

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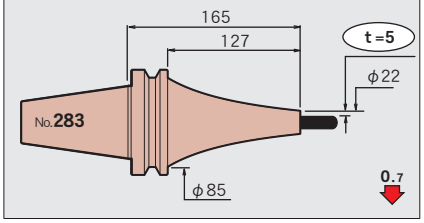

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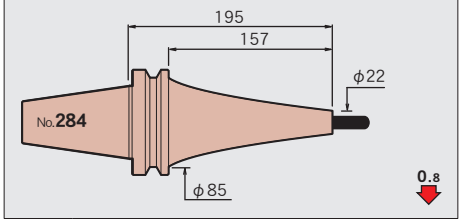

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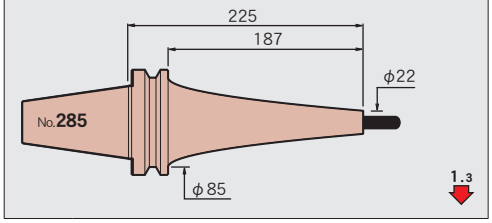

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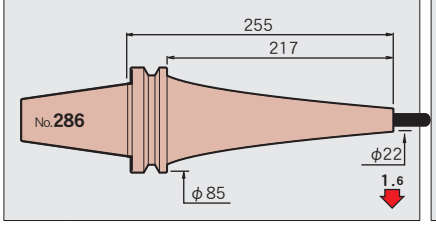

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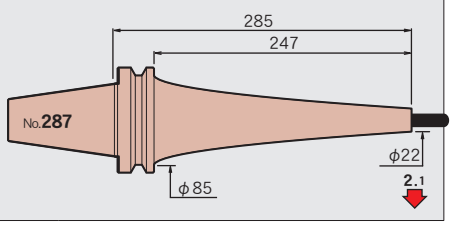

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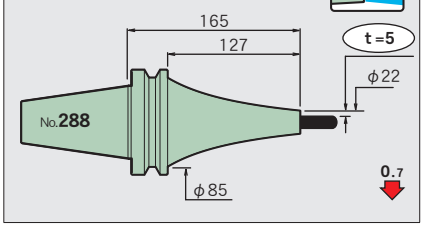

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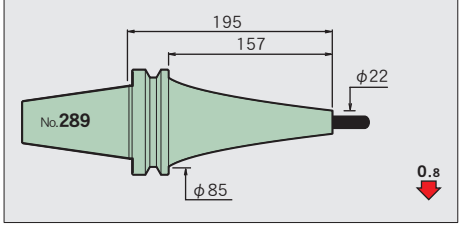

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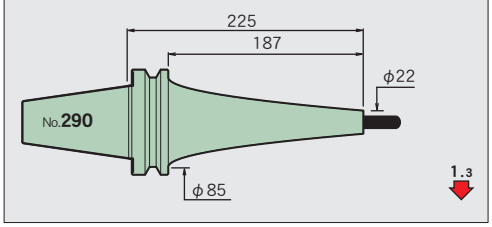

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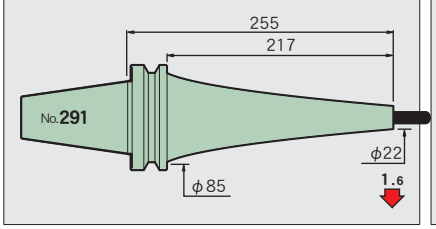

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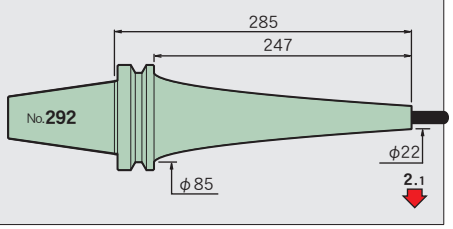

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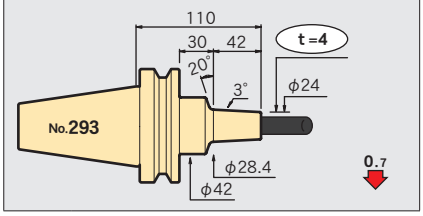

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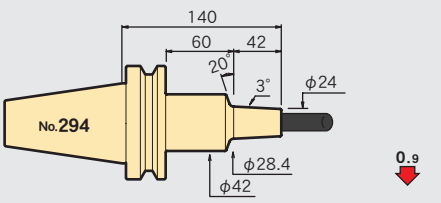

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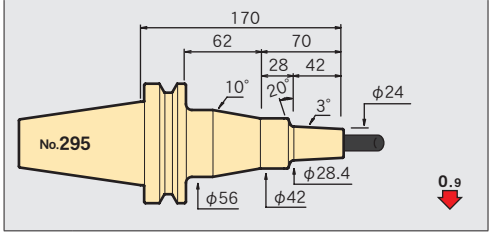

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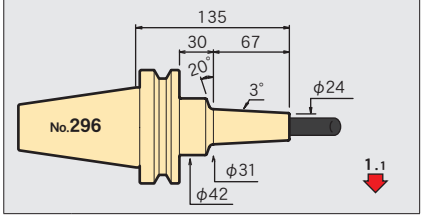

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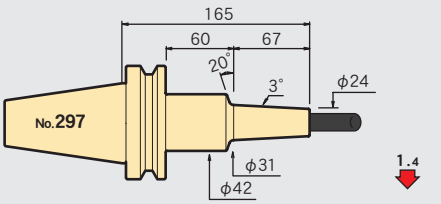

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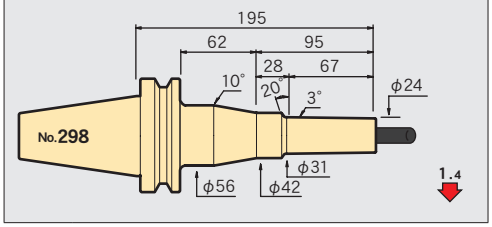

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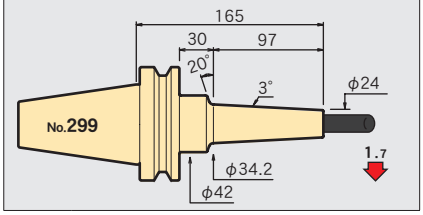

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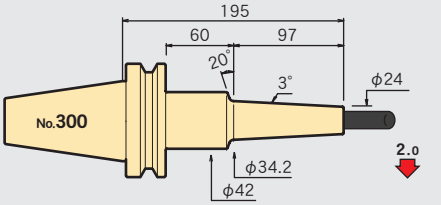

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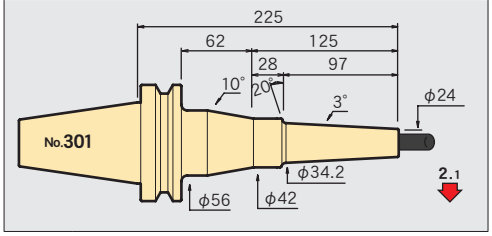

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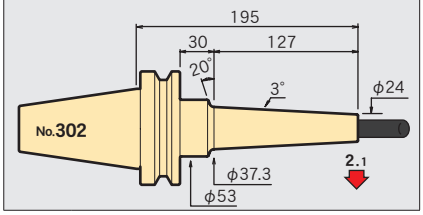

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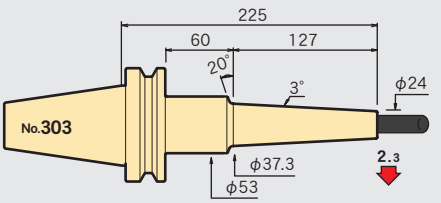

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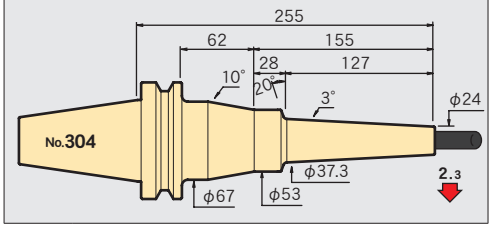

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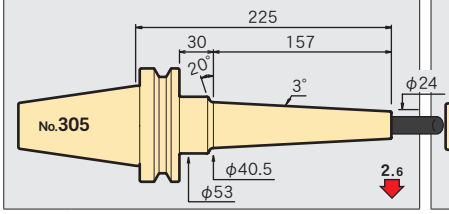

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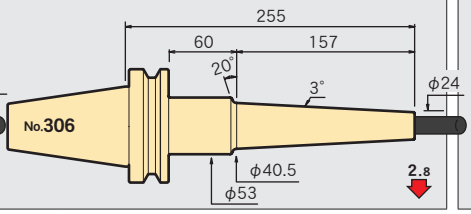

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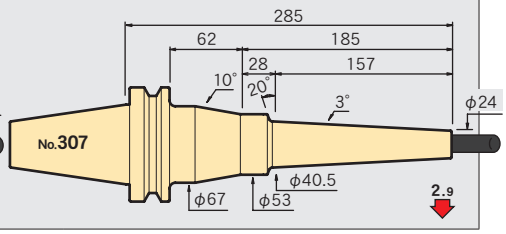

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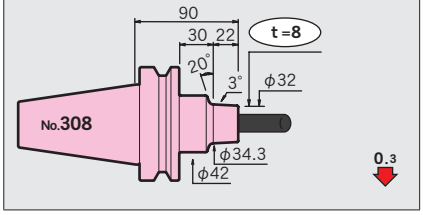
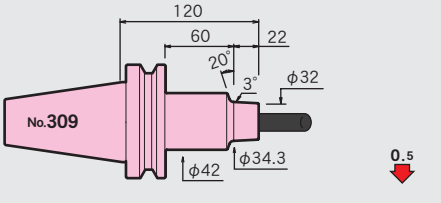
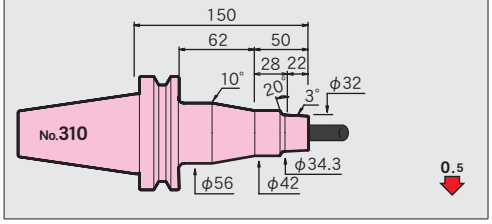


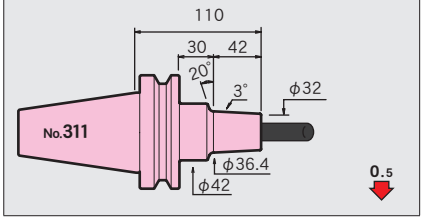
BT50-SLRB16-120-M22



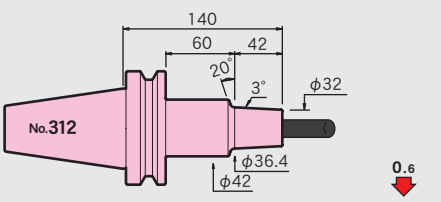
BT50-SLRB16-150-M22



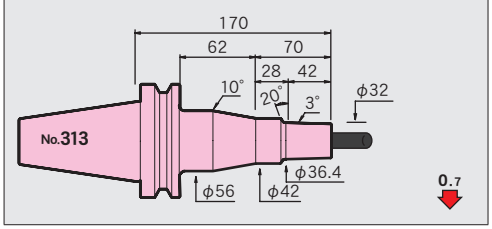
BT50-SLRB16-110-M42



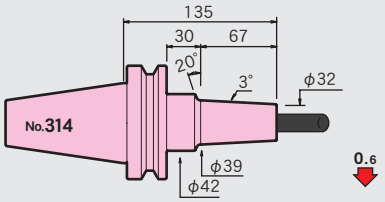
BT50-SLRB16-140-M42



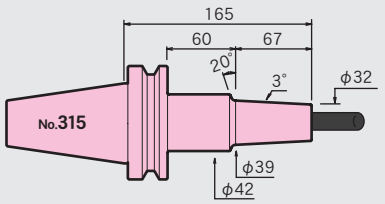
BT50-SLRB16-170-M42



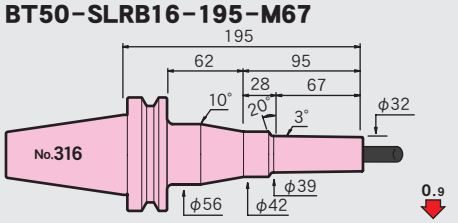
BT50-SLRB16-135-M67



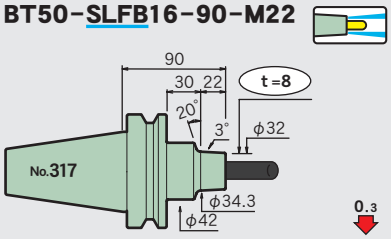
BT50-SLRB16-165-M67



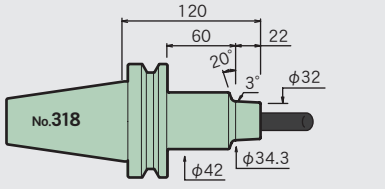
BT50-SLRB16-195-M67



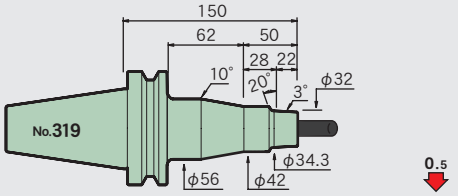
BT50-SLFB16-90-M22



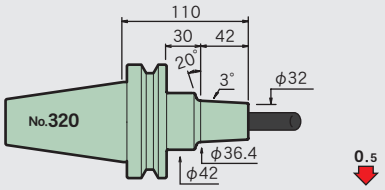
BT50-SLFB16-120-M22



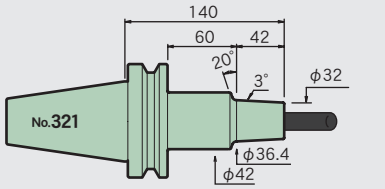
BT50-SLFB16-150-M22



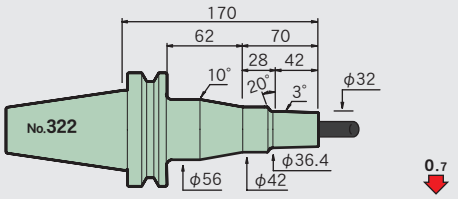
BT50-SLFB16-110-M42



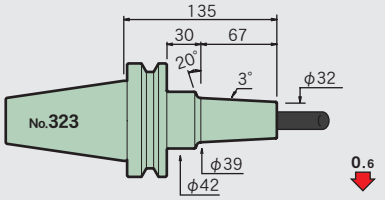
BT50-SLFB16-140-M42



BT50-SLFB16-170-M42



BT50-SLFB16-135-M67



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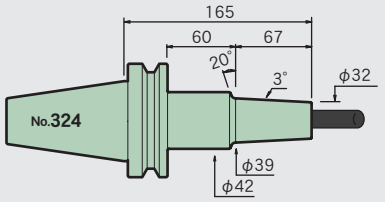

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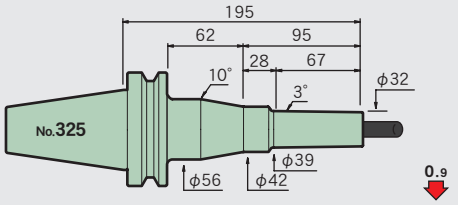
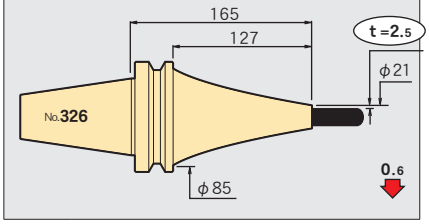
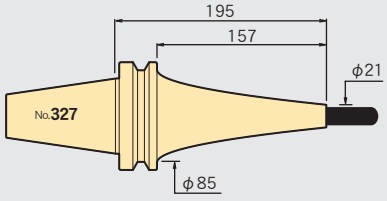


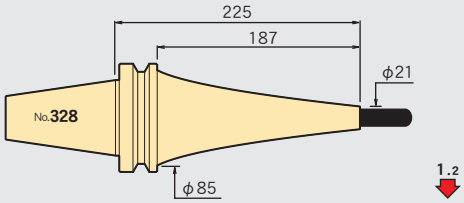
BT50-SLSB16-165 CV



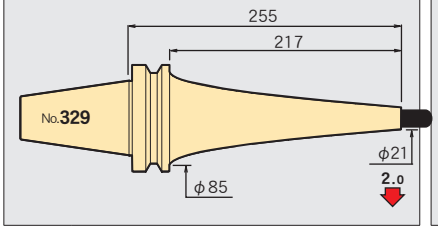
BT50-SLSB16-195 CV



BT50-SLSB16-225 CV



BT50-SLSB16-255 CV



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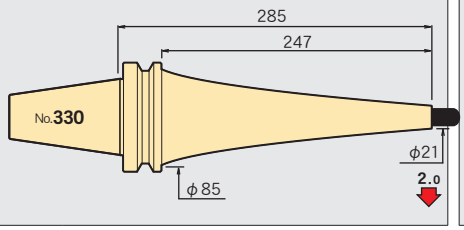
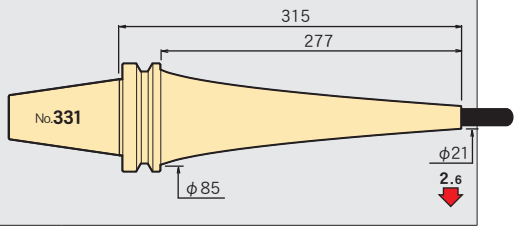


BT50-SLSB16-315 CV



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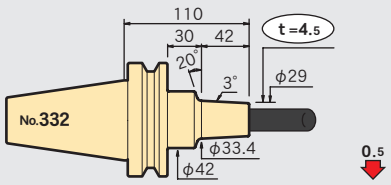
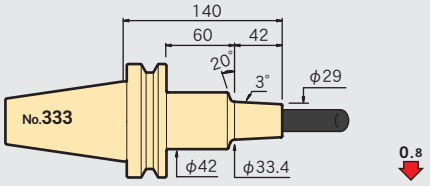
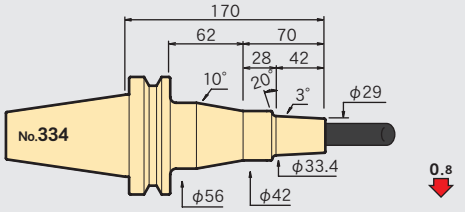
BT50-SLSB20-110-M42



BT50-SLSB20-140-M42



BT50-SLSB20-170-M42



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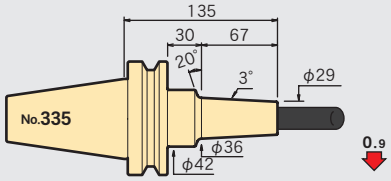

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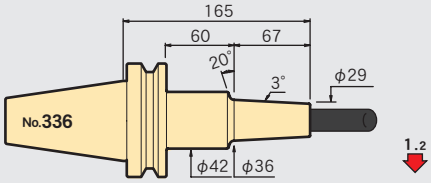

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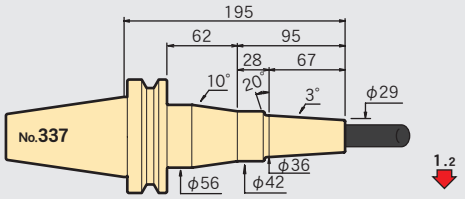
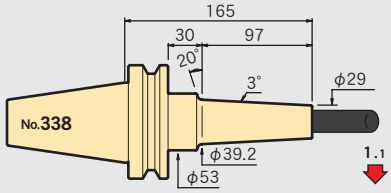


BT50-SLSB20-165-M97



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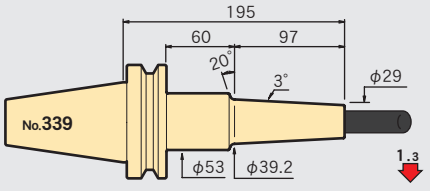

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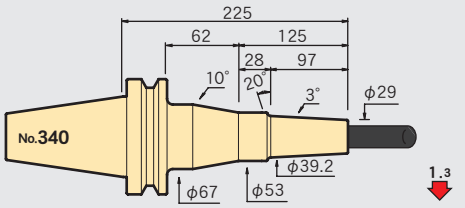

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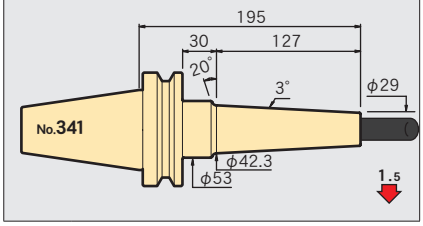

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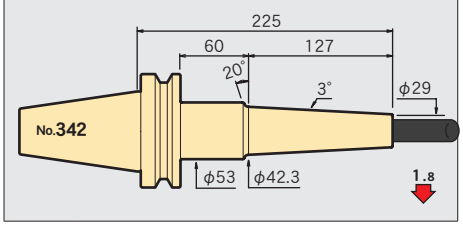

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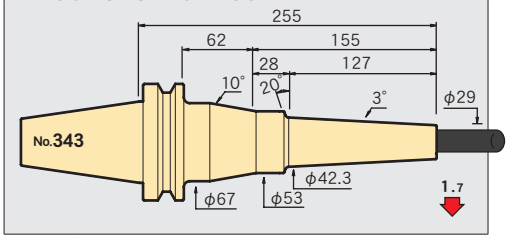
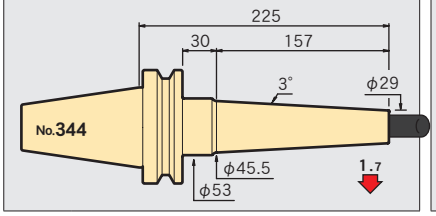
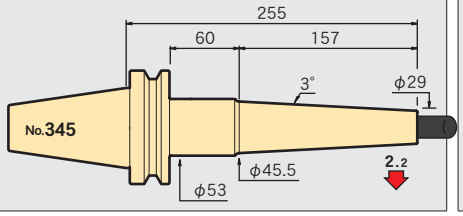


BT50-SLSB20-225-M157



BT50-SLSB20-255-M157



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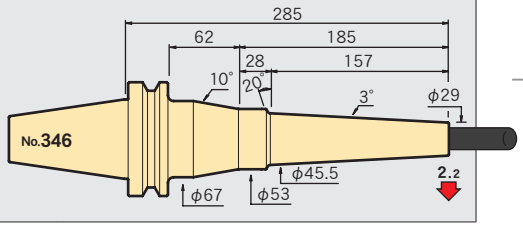
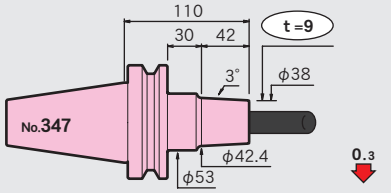
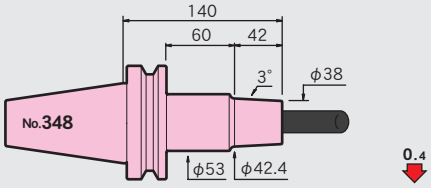


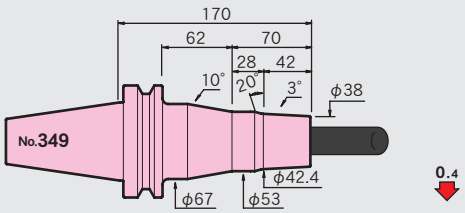
BT50-SLRB20-110-M42



BT50-SLRB20-140-M42



BT50-SLRB20-170-M42



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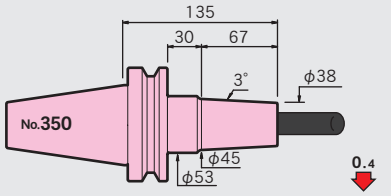
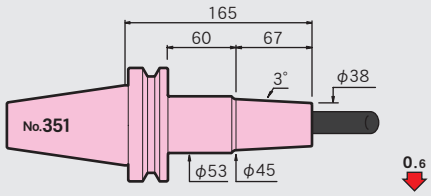


BT50-SLRB20-165-M67



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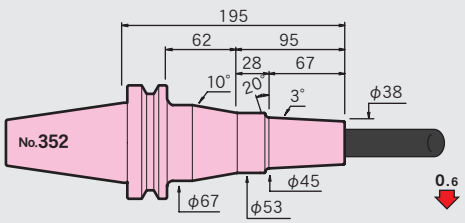

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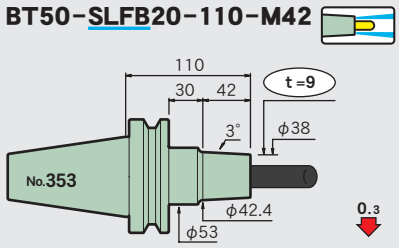

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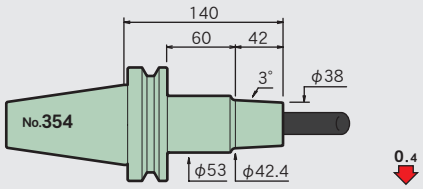

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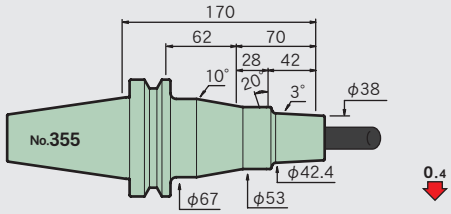

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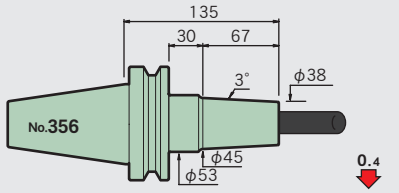

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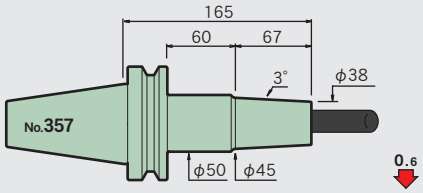

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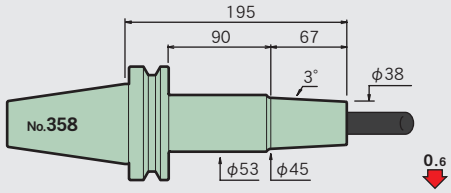
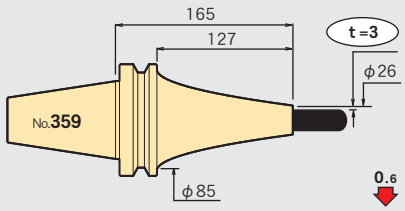
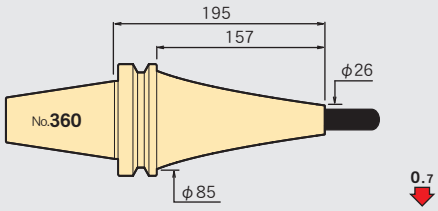


BT50-SLSB20-165 CV



BT50-SLSB20-195 CV



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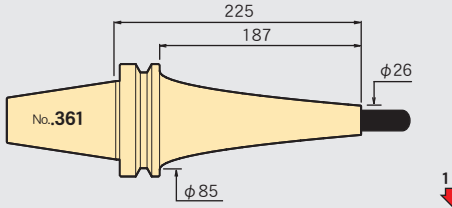
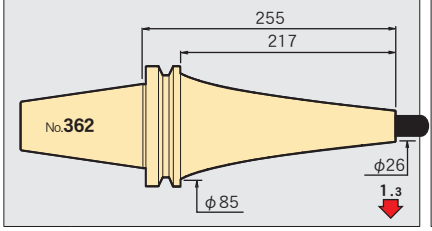
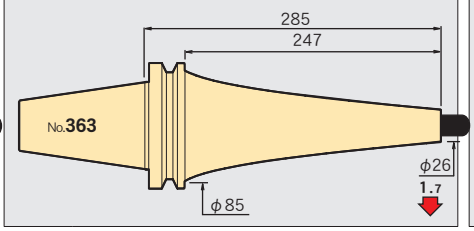


BT50-SLSB20-255 CV



BT50-SLSB20-285 CV



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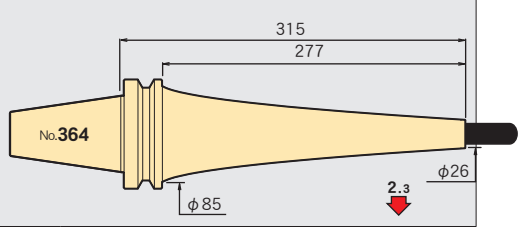

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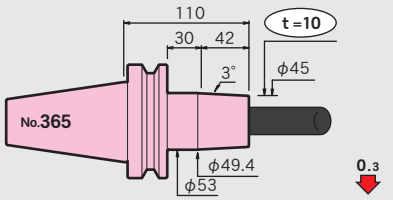
BT50-SLRB25-110-M42



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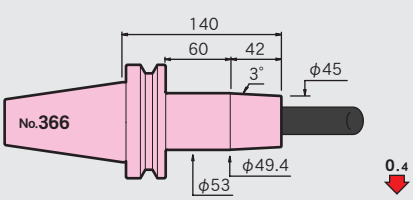
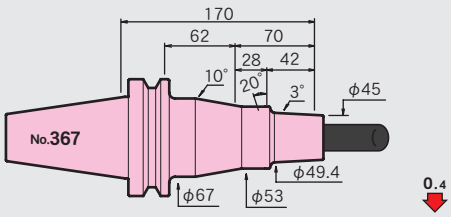


BT50-SLRB25-170-M42



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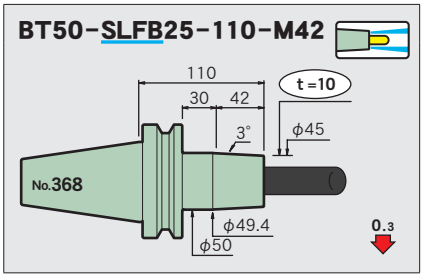

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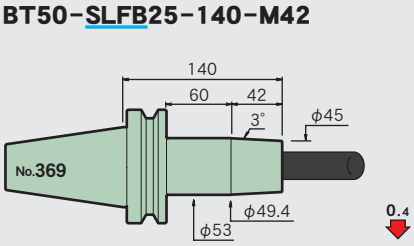

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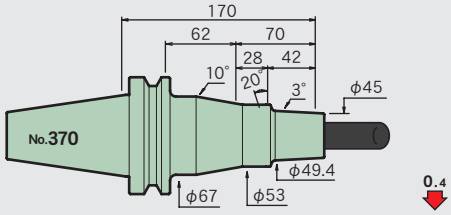
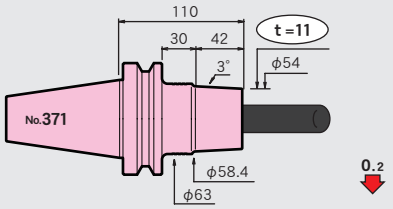


ϕ32

BT50-SLRB32-110-M42



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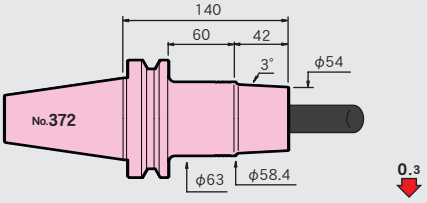

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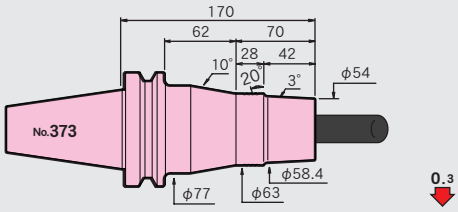
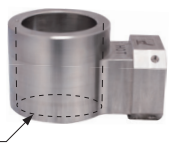
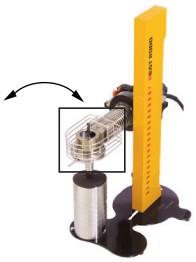


ϕ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70

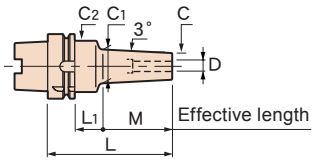




HEAT ROBO Baby3000S

A40

MONO 3°



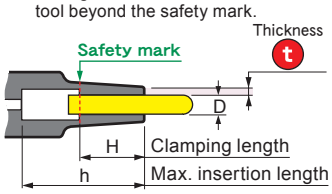
Compatibility table for HRD-01S

[○] Available [×] Not available

■**Std.Access.**
- Coolant duct (fixed type)→P.246

■**Note**
- Swing type coolant ducts are available upon request. For details, please contuct us.

■**Caution**
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



Thickness

CODE	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg	N	S	○	Scale model
A40-SLSA3- 60	3	6	1.5	60	22	18	8.3	20	9	44	0.2	1.3	4.8	○	1
- 65-M22				65		23		25			0.3	3	4.5		2
- 85-M42				85	42		10.4			64		3.2	9.1		3
-100-M42				100		38				78		3.3	9.3		4
-SLRA3- 65-M22	3	7.5	2.25	65	22	23	9.8	25	9	44	0.3	3	2.7	○	5
- 85-M42				85	42		11.9			64		3.2	5.3		6
-SLFB3- 65-M22	3	9.5	3.25	65	22	23	11.8	25	9	44	0.3	3	1.2	○	7
- 85-M42				85	42		13.9			64		3.3	3.2		8
A40-SLSA4- 60	4	7	1.5	60	22	18	9.3	20	12	44	0.2	1.4	3.8	○	9
- 65-M22				65		23		25			0.3	3.1	3.5		10
- 80				80	42	18	11.4	20		64	0.2	1.4	7.5		11
- 85-M42				85		23		25			0.3	3.4	7.1		12
-100-M42				100		38				78		3.5	7.4		13
-SLRA4- 65-M22	4	10	3	65	22	23	12.3	25	12	44	0.3	3.1	1.7	○	14
- 85-M42				85	42		14.4			64		3.5	3.1		15
-SLFB4- 65-M22	4	12	4	65	22	23	14.3	25	12	44	0.3	3.2	1.3	○	16
- 85-M42				85	42		16.4			64		3.5	2.2		17
A40-SLSA6- 65-M22	6	9	1.5	65	22	23	11.3	25	18	44	0.3	3.2	2.3	○	18
- 80				80	42	18	13.4	20		54	0.2	1.5	5.1		19
- 85-M42				85		23		25		64	0.3	3.9	4.8		20
-100-M42				100		38				78		4	5.1		21
-SLRA6- 60	6	12	3	60	22	18	14.3	26	18	39	0.3	1.4	1.3	○	22
- 65-M22				65		23		25		44		3.2			23
- 85-M42				85	42		16.4			64		3.9	2.4		24
-SLFB6- 70-M22	6	14	4	70	22	28	16.3	32	18	48	0.4	4.1	1	○	25
- 90-M42				90	42		18.4			68		4.7	1.6		26
A40-SLSA8- 65-M22	8	11	1.5	65	22	23	13.3	25	24	44	0.3	3.2	1.6	○	27
- 85-M42				85	42	23	15.4	25		64		4.3	3.4		28
-100-M42				100		38				78		4.4	3.8		29
-SLRA8- 65-M22	8	14	3	65	22	23	16.3	25	24	44	0.3	3.2	1.1	○	30
- 85-M42				85	42		18.4			64		4.3	2		31
-SLFB8- 70-M22	8	18	5	70	22	28	20.3	32	24	48	0.4	4.1	0.7	×	32
- 90-M42				90	42		22.4			68		5.2	1.1	○	33

SLFB 

MST

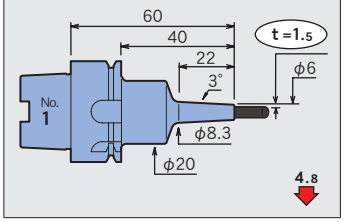
CODE	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg	N	S	
A40-SLSA10- 65-M22	10	13	1.5	65	22	23	15.3	25	30	44	0.3	3	1.2	○
- 85-M42				85	42		17.4			64		4.6	2.6	
- 90				90		28		26				1.9		
-100-M42				100		38		25		78		4.7	3	
-SLRA10- 65	10	16	3	65	22	23	18.3	26	25	44	0.3	1.6	0.9	○
- 65-M22								25	30			3	1	
- 90-M42				90	42	28	20.4	32		69	0.4	5.4	1.5	
-SLFB10- 70-M22	10	22	6	70	22	28	24.3	32	30	48	0.4	3.9	0.6	×
- 90-M42				90	42		26.4			68	0.5	5.6	0.9	○
A40-SLSA12- 65-M22	12	15	1.5	65	22	23	17.3	25	30	44	0.3	3.3	1.1	○
- 90-M42				90	42	28	19.4	32		68	0.4	6.1	1.9	
-SLRA12- 65-M22	12	20	4	65	22	23	22.3	25	30	44	0.3	3.3	0.8	○
-SLFB12- 70-M22	12	26	7	70	22	28	28.3	32	30	48	0.4	4.2	0.6	×
A40-SLRA16- 65-M22	16	26	5	65	22	23	28.3	33.5	32	43	0.4	2	0.5	
A40-SLRA20- 70-M50	20	32	6	70	50	–	33.5	–	38	48	0.4	2.4	0.6	

SLFB 

A40 S=1:3

ϕ3

A40-SLSA3-60



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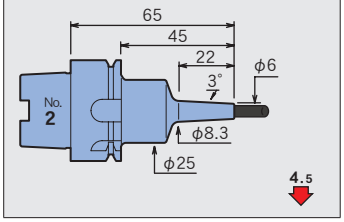

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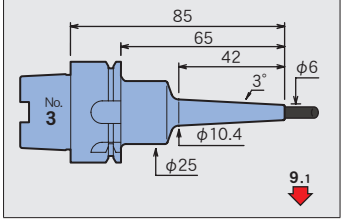

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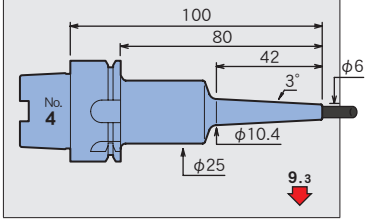

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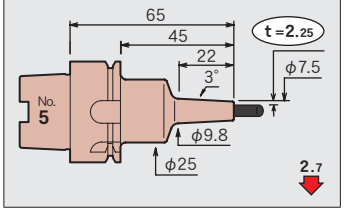

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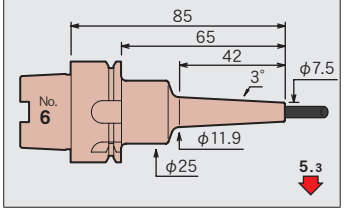

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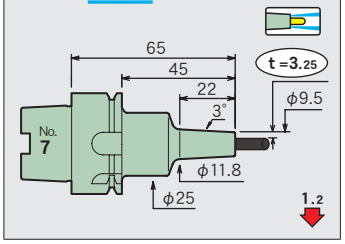

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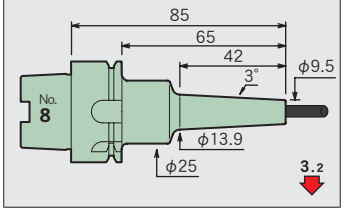

ϕ4

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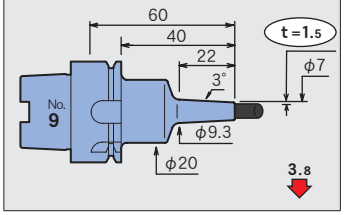

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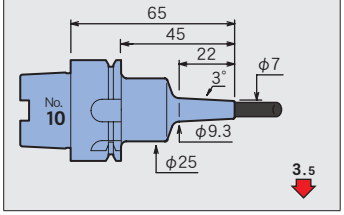

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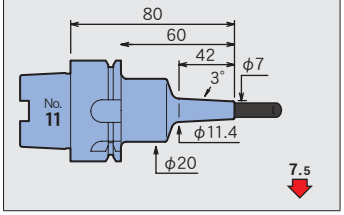

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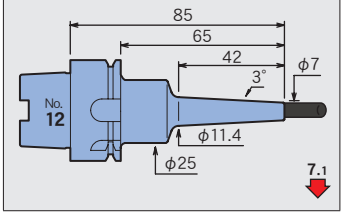

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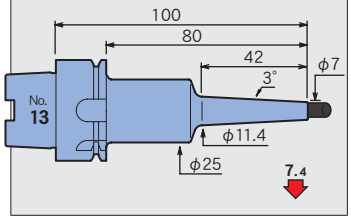

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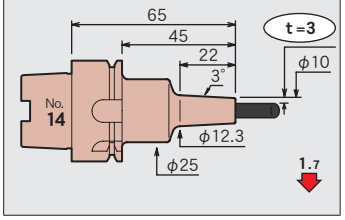

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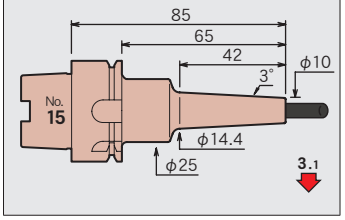

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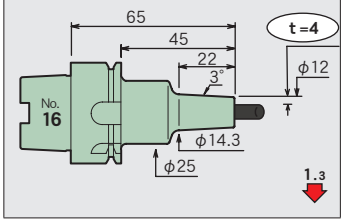

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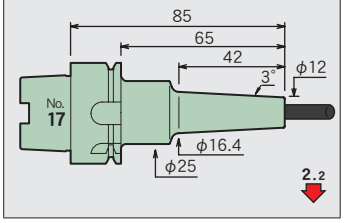
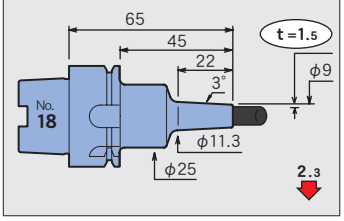


ϕ6

A40-SLSA6-65-M22



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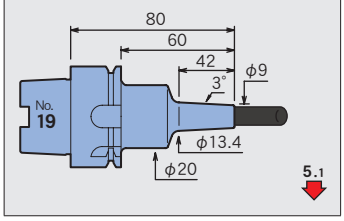

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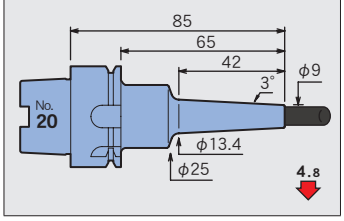

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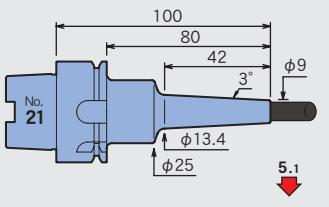

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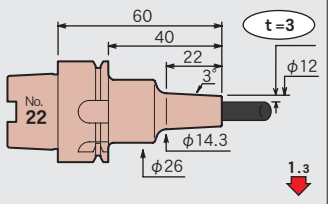

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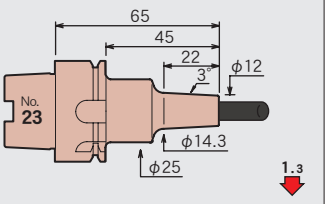

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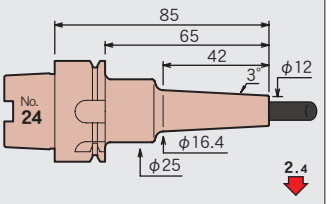
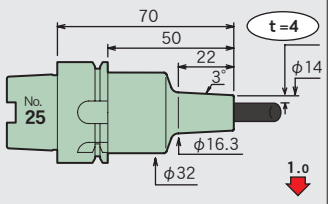


A40-SLFB6-70-M22



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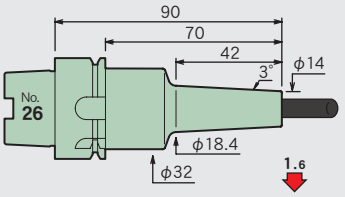
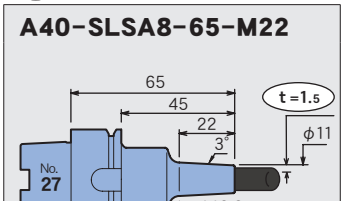


ϕ8

A40-SLSA8-65-M22



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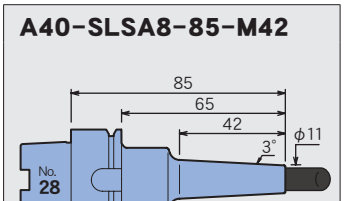
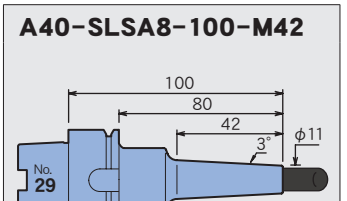


A40-SLSA8-100-M42



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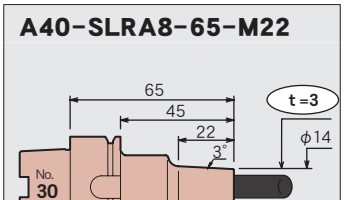

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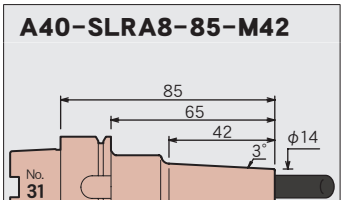

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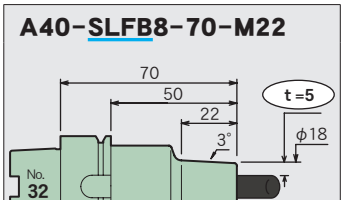
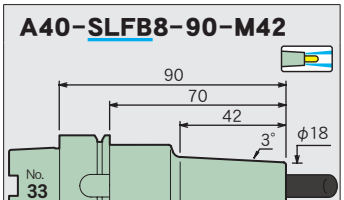


A40-SLFB8-90-M42



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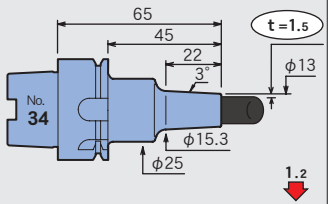
A40-SLSA10-65-M22



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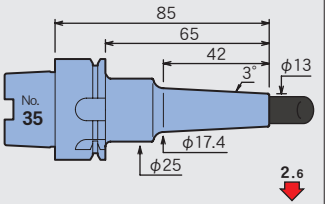

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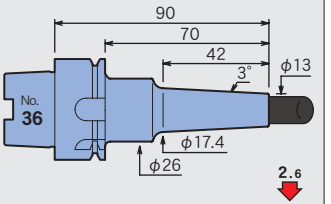

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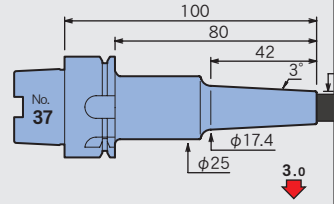

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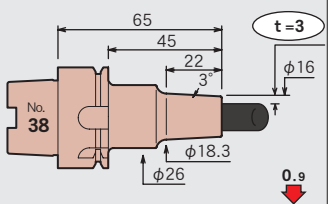

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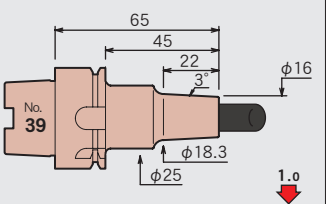

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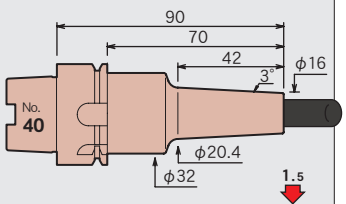

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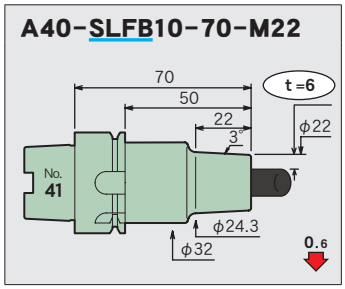

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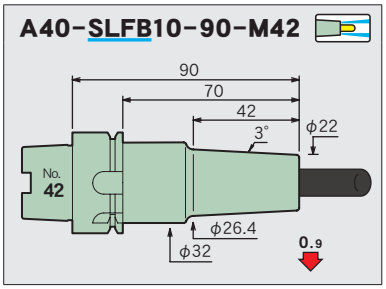
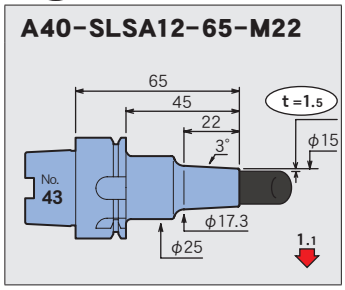


SLFB

ϕ12

A40-SLSA12-65-M22



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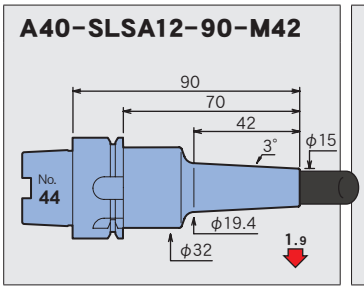

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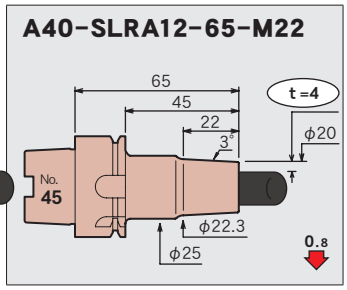

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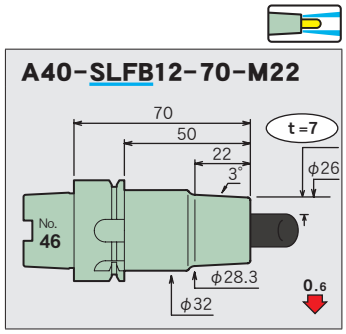

ϕ16

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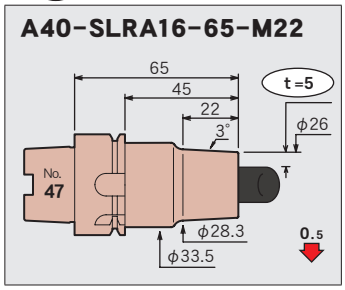

ϕ20

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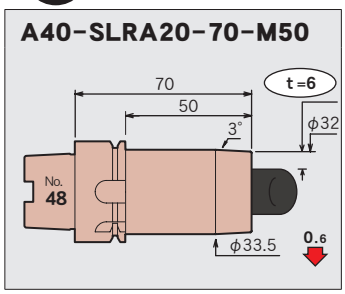

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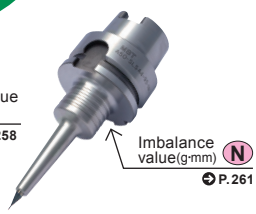
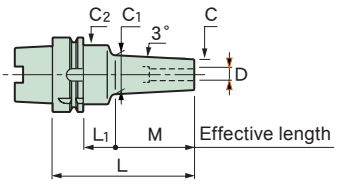


A50-SLSA4-95-M42



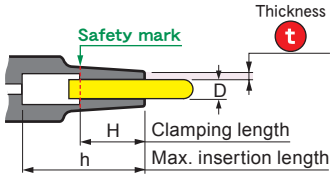
Compatibility table for HRD-01S

[○] Available [×] Not available

■Std.Access.
- Coolant duct (fixed type)→P.246

■Note
- Swing type coolant ducts are available upon request. For details, please contuct us.

■Caution
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.
- The undercut area of the A50M is different from the standards. Please be careful to check for interference with the ATC arm.



Thickness

CODE	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg	N	S		Scale model
A50-SLSA 3- 95-M42	3	6	1.5	95	42	27	10.4	25	9	71	0.5	5.8	9.1	○	1
-125-M42				125		57				101	0.6	6.5	9.8		2
-SLRA 3- 75-M22	3	7.5	2.25	75	22	27	9.8	25	9	51	0.5	6.2	2.8	○	3
- 95-M42				95	42		11.9			71		6.6	5.3		4
-125-M42				125		57				101	0.6	7.3	6		5
A50-SLSA 4- 95-M42	4	7	1.5	95	42	27	11.4	25	12	71	0.5	7	7.2	○	6
-125-M42				125		57				101	0.6	7.7	7.9		7
-SLRA 4- 75-M22	4	10	3	75	22	27	12.3	25	12	51	0.5	6.3	1.7	○	8
- 95-M42				95	42		14.4			71		7	3.1		9
-125-M42				125		57				101	0.6	7.7	3.8		10
A50-SLSA 6- 95-M42	6	9	1.5	95	42	27	13.4	25	18	71	0.5	7.3	4.8	○	11
-125-M42				125		57				101	0.6	8	5.6		12
-SLRB 6- 75-M22	6	14	4	75	22	27	16.3	32	18	50	0.5	7.2	1	○	13
- 95-M42				95	42		18.4			70	0.6	8.9	1.6		14
-125-M42				125		57				100	0.7	10.2	1.9		15
A50-SLSA 8- 95-M42	8	11	1.5	95	42	27	15.4	25	24	71	0.5	9.3	3.4	○	16
-125-M42				125		57				101	0.6	11.8	4.4		17
-SLRB 8- 75-M22	8	18	5	75	22	27	20.3	32	24	50	0.6	7.9	0.7	×	18
- 95-M42				95	42		22.4			70		10.5	1.1	○	19
-125-M42				125		57				100	0.8	11.8	1.5		20
A50-SLSA10- 95-M42	10	13	1.5	95	42	27	17.4	25	30	71	0.5	10.7	2.6	○	21
-125-M42				125		57				101	0.6	12.1	3.7		22
-SLRB10- 75-M22	10	22	6	75	22	27	24.3	32	30	50	0.6	8.3	0.6	×	23
- 95-M42				95	42		26.4			70		11.9	0.9	○	24
-125-M42				125		57				100	0.8	13.3	1.3		25
A50-SLRB12- 75-M22	12	26	7	75	22	27	28.3	42	30	52	0.7	6.2	0.4	×	26
- 95-M42				95	42		30.4			72	0.8	6.3	0.6		27
-125-M42				125		57				98	1	22.9	0.8		28
A50-SLRB16- 75-M22	16	32	8	75	22	27	34.3	42	32	52	0.7	6.3	0.4		29
-105-M22				105		57				78	1	19	0.5		30
A50M-SLRB20- 75-M22※1	20	38	9	75	22	27	40.3	49	40	51	0.8	6.4	0.3		31
-105-M22※1				105		57				76	1.2	15.1	0.4		32

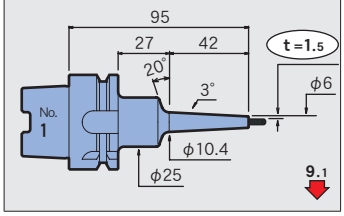
※1 When shrinking the SLRB20 with HEAT ROBO DENJI 5000(HRD-02S), the standard heating coil cannot be used. Please use the heating coil No.4.

MAKINO J
MAKINO
J3

A50 S=1:4

φ3

A50-SLSA3-95-M42



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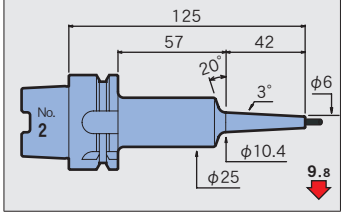

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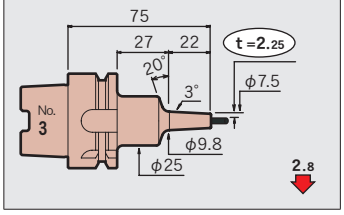

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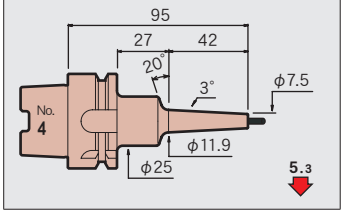

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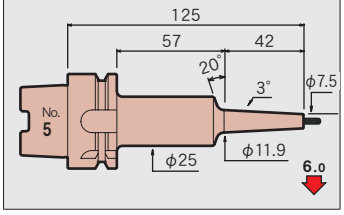

φ4

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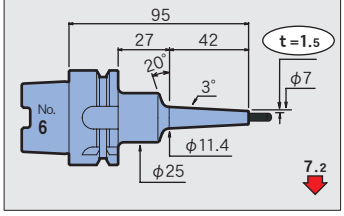

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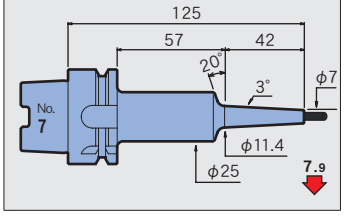

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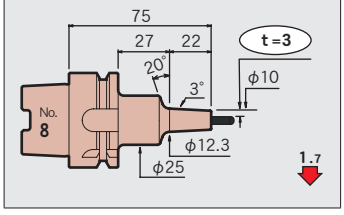

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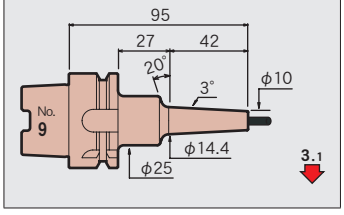

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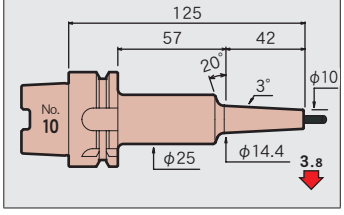

φ6

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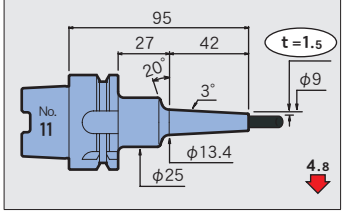

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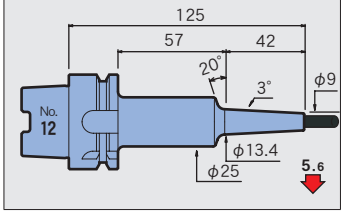

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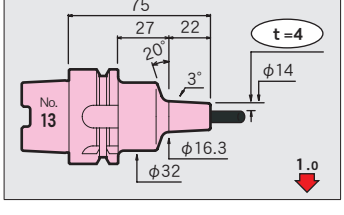

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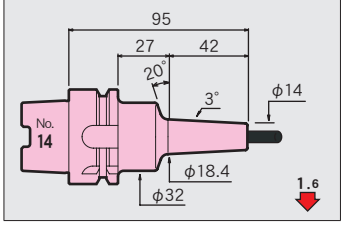

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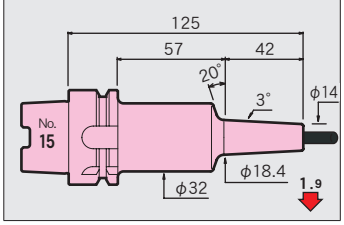

φ8

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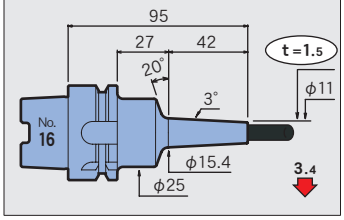

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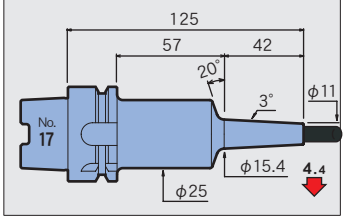

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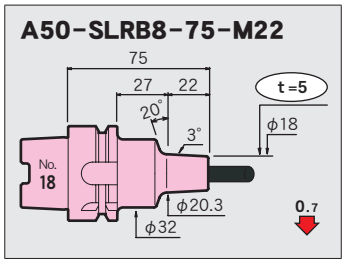

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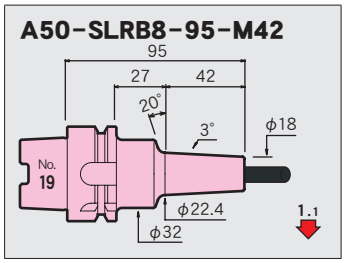

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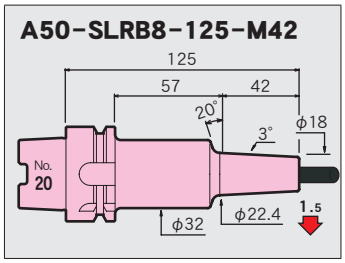

φ10

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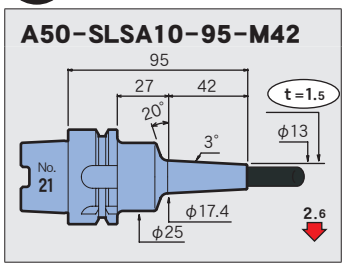

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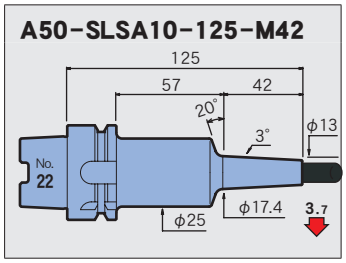

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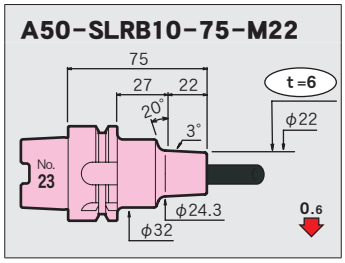

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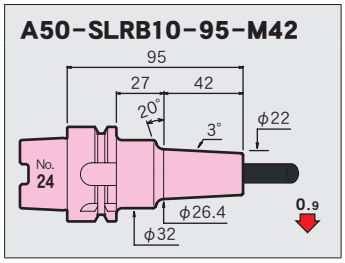

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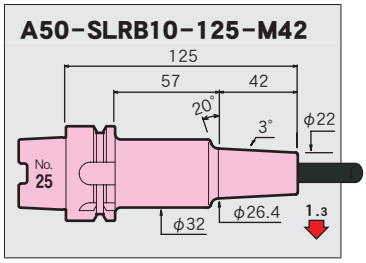
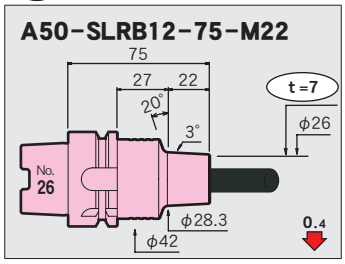


φ12

A50-SLRB12-75-M22



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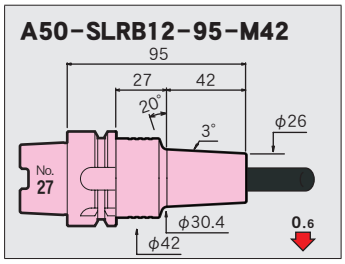

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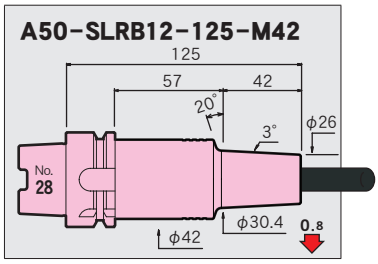
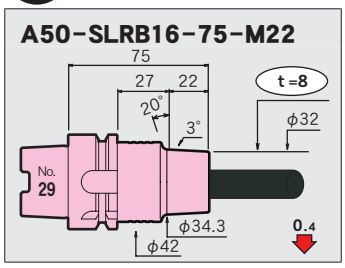
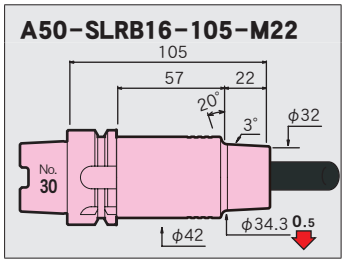


φ16

A50-SLRB16-75-M22

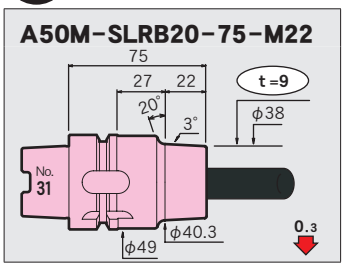


A50-SLRB16-105-M22

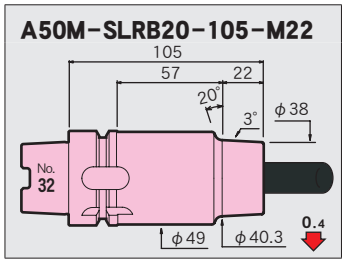


φ20

A50M-SLRB20-75-M22

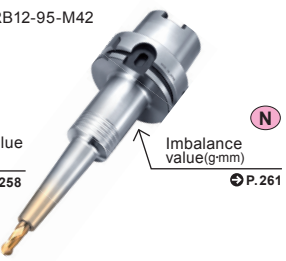


A50M-SLRB20-105-M22



A63

A63-SLRB12-95-M42



MONO 3°

Rigidity value (μm/kgf) P.258

Imbalance value(g·mm) N P.261

Fig. 1

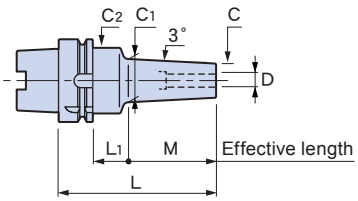
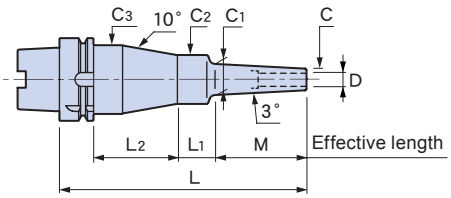


Fig. 2

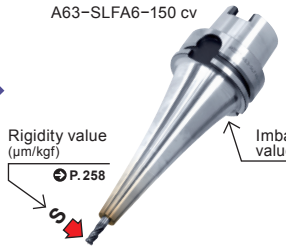


Compatibility table for HRD-01S

[○] Available [×] Not available
[▲] Usable by raising the heating unit.→P.257
[★] Use heating coil No. 2.

A63-SLFA6-150 cv

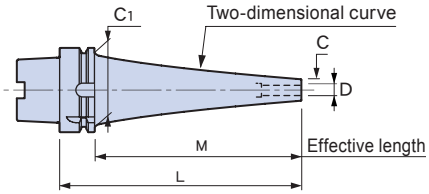
MONO CURVE



Rigidity value (μm/kgf) P.258

Imbalance value(g·mm) N P.261

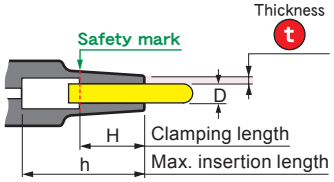
Fig. 3



■**Std.Access.**
- Coolant duct (fixed type) →p.246

■**Note**
- Swing type coolant ducts are available upon request. →P.246

■**Caution**
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



CV : Curve

Thickness

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg	N	S		Scale model
A63-SLSA3- 95-M 42	1	3	6	1.5	95	42	27	—	10.4	25	—	9	70	0.7	8.1	9.1	○	1
-120-M 67					120	67			13				95	0.8	9.2	14.7		4
-125-M 42					125	42	57		10.4	26			100	0.9	8.2	9.6		2
-150-M 67					150	67			13	25			125	0.8	9.3	15.8		5
-M 97						97	27		16.2						10.5	20.5		7
-155-M 42	2				155	42	33	54	10.4	26	40		130	1.2	8.4	9.9		3
-180-M 67					180	67			13	25	39		155	1.1	9.6	15.7		6
-M 97	1					97	57	—	16.2		—			0.9	10.6	22.2		8
-210-M 97	2				210		33	54		25	39		185	1.2	10.8	22.1		9
-SLRA3- 75-M 22	1	3	7.5	2.25	75	22	27	—	9.8	25	—	9	50	0.7	8.4	2.8	○	10
- 95-M 42					95	42			11.9				70		8.9	5.3		13
-105-M 22					105	22	57		9.8				80	0.8	8.6	3.2		11
-120-M 67					120	67	27		14.5				95		9.6	8.8		16
-125-M 42					125	42	57		11.9				100		9	6		14
-135-M 22	2				135	22	33	54	9.8		39		110	1.1	8.8	3.2		12
-150-M 67	1				150	67	57	—	14.5		—		125	0.9	9.8	9.9		17
-M 97						97	27		17.7					0.8	10.6	12.9		19
-155-M 42	2				155	42	33	54	11.9	25	39		130	1.1	9.2	6		15
-180-M 67					180	67			14.5	26	40		155	1.2	10	9.8		18
-M 97	1					97	57	—	17.7	25	—			0.9	10.8	14.6		20
-M127						127	27		20.8	36					12.6	15.7		22
-210-M 97	2				210	97	33	54	17.7	25	39		185	1.2	11	14.4		21
-M127	1					127	57	—	20.8	32	—		184	1.1	12.8	16.6		23
-240-M127	2				240		30	57			46		214	1.5	13.2	16.5		24

MST

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
A63-SLFB3- 75-M 22	1	3	9.5	3.25	75	22	27	—	11.8	25	—	9	50	0.7	8.1	1.9	○	25
- 95-M 42					95	42			13.9				70	0.8	8.5	3.2		28
-105-M 22					105	22	57		11.8	26			80	0.9	8.2	2.3		26
-120-M 67					120	67	27		16.5				95	0.8	9.7	5.3		31
-125-M 42					125	42	57		13.9				100	0.9	8.7	3.8		29
-135-M 22	2				135	22	33	54	11.8		40		110	1.2	8.5	2.3		27
-150-M 67	1				150	67	57	—	16.5		—		125	0.9	9.8	6.3		32
-155-M 42	2				155	42	33	54	13.9	25	39		130	1.1	8.9	3.9		30
-180-M 67					180	67			16.5	26	40		155	1.2	10	6.3		33
A63-SLSA4- 95-M 42	1	4	7	1.5	95	42	27	—	11.4	25	—	12	70	0.7	9.2	7.2	○	34
-120-M 67					120	67			14				95	0.8		11.7		37
-125-M 42					125	42	57		11.4				100		9.4	7.9		35
-150-M 67					150	67			14				125	0.9		12.8		38
-M 97						97	27		17.2					0.8	10.6	16.6		40
-155-M 42	2				155	42	33	54	11.4		39		130	1.1	9.6	7.9		36
-180-M 67					180	67			14				155			12.8		39
-M 97	1					97	57	—	17.2		—			0.9	10.8	18.4		41
-210-M 97	2				210		33	54			39		185	1.2	11	18.2		42
-SLRA4- 75-M 22	1	4	10	3	75	22	27	—	12.3	25	—	12	50	0.7	8.6	1.7	○	43
- 95-M 42					95	42			14.4				70	0.8	9.2	3.1		46
-105-M 22					105	22	57		12.3				80		8.7	2.2		44
-120-M 67					120	67	27		17				95		10.3	5.1		49
-125-M 42					125	42	57		14.4				100		9.3	3.8		47
-135-M 22	2				135	22	33	54	12.3		39		110	1.1	8.9	2.2		45
-150-M 67	1				150	67	57	—	17		—		125	0.9	10.4	6.3		50
-M 97						97	27		20.2				124	0.8	11.7	7.7		52
-155-M 42	2				155	42	33	54	14.4		39		130	1.1	9.6	3.8		48
-180-M 67					180	67			17				155	1.2	10.7	6.2		51
-M 97	1					97	57	—	20.2		—		154	0.9	11.8	9.5		53
-M127						127	27		23.3	32				1	14.8	9.4		55
-210-M 97	2				210	97	33	54	20.2	26	40		185	1.3	12.1	9.1		54
-M127	1					127	57	—	23.3	36	—			1.2	15.1	9.9		56
-240-M127	2				240		30	57		32	46		214	1.5	15.4	10.3		57
-SLFB4- 75-M 22	1	4	12	4	75	22	27	—	14.3	25	—	12	50	0.7	8.4	1.3	○	58
- 95-M 42					95	42			16.4				70	0.8	9	2.2		61
-105-M 22					105	22	57		14.3				80		8.5	1.8		59
-120-M 67					120	67	27		19				95		10.3	3.6		64
-125-M 42					125	42	57		16.4				100	0.9	9.1	2.9		62
-135-M 22	2				135	22	33	54	14.3		39		110	1.1	8.7	1.8		60
-150-M 67	1				150	67	57	—	19		—		125	0.9	10.4	4.7		65
-155-M 42	2				155	42	33	54	16.4		39		130	1.1	9.4	2.9		63
-180-M 67					180	67			19				155	1.2	10.6	4.6		66
-SLSA4- 90 CV	3	4	7	1.5	90	64	—	—	53	—	—	12	65	1	9.3	1.8	○	67
-120 CV					120	94							95	1.1	10.1	2.7		68
-150 CV					150	124							125	1.3	11	4		69
-180 CV					180	154							154	1.4	11.6	6.6		70
-210 CV					210	184							185		11.8	11.6		71
-240 CV					240	214							214	1.6	13.1	14		72
-270 CV					270	244							245	2	15.4	11.9		73
-300 CV					300	274							275	2.1	16.3	15.9		74
-SLRA4-120 CV	3	4	10	3	120	94	—	—	53	—	—	12	95	1	8.6	1.9	○	75
-150 CV					150	124							125	1.1	9.3	2.9		76
-180 CV					180	154							155	1.4	10.9	3.3		77
-210 CV					210	184							185		11.3	5.6		78

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S		Scale model
A63-SLSA3/16- 90 CV	3	3/16	.31	.06	3.54	2.52	—	—	2.87	—	—	.59	2.56	1.9	7.6	2	○	79
-120 CV					4.72	3.70							3.74	2.2	8.5	2.6		80
-150 CV					5.91	4.88							4.92	2.5	9.4	4		81
-180 CV					7.09	6.06							6.06	2.7	10.3	6.5		82
-210 CV					8.27	7.24							7.24	3.1	11.8	8.4		83
-240 CV					9.45	8.43							8.43	3.5	12.9	10.6		84
-270 CV					10.63	9.61							9.61	4.0	14.2	13.2		85
-300 CV					11.81	10.79							10.83	4.5	15.1	16.1		86
-SLRA3/16-120 CV	3	3/16	.42	.12	4.72	3.70	—	—	2.87	—	—	.59	3.70	2.2	8.7	1.8	○	87
-150 CV					5.91	4.88							4.88	2.6	10	2.4		88
-180 CV					7.09	6.06							6.10	2.8	10.2	4.3		89
-210 CV					8.27	7.24							7.24	3.1	12	5.7		90
A63-SLSA6- 95-M 42	1	6	9	1.5	95	42	27	—	13.4	25	—	18	70	0.7	9.5	4.8	○	91
-120-M 67					120	67			16				95	0.8	11.1	8		94
-125-M 42					125	42	57		13.4				100		9.7	5.6		92
-150-M 67					150	67			16				125	0.9	11.2	9.3		95
-M 97						97	27		19.2	32			124		13.4	11		97
-155-M 42	2				155	42	33	54	13.4	25	39		130	1.1	9.9	5.6		93
-180-M 67					180	67			16				155		11.5	9.2		96
-M 97	1					97	57	—	19.2	32	—		154	1	13.6	11.7		98
-210-M 97	2				210		30	57			46		184	1.4	14			99
-SLSB6- 95-M 42	1	6	10	2	95	42	27	—	14.4	25	—	18	70	0.7	10.5	3.7	○	100
-120-M 67					120	67			17				95	0.8	12.6	6.2		103
-125-M 42					125	42	57		14.4				100		10.6	4.5		101
-150-M 67					150	67			17				125	0.9	12.7	7.4		104
-M 97						97	27		20.2	32			124		15.4	8.5		106
-155-M 42	2				155	42	33	54	14.4	25	39		130	1.1	10.9	4.4		102
-180-M 67					180	67			17				155		12.9	7.3		105
-M 97	1					97	57	—	20.2	32	—		154	1	15.7	9.2		107
-M127						127	27		23.3					0.9	17.9	11		109
-210-M 97	2				210	97	30	57	20.2		46		184	1.4	16	9.2		108
-M127	1					127	57	—	23.3		—			1.1	18.2	12		110
-M157						157	27		26.5						20.4	13.2		112
-240-M127	2				240	127	30	57	23.3		46		214	1.5	18.5	12		111
-M157	1					157	57	—	26.5		—			1.2	20.7	14.6		113
-270-M157	2				270		30	57			46		244	1.6	21		▲	114
-SLRB6- 75-M 22	1	6	14	4	75	22	27	—	16.3	32	—	18	49	0.8	9.3	1	○	115
- 95-M 42					95	42			18.4				69		10.9	1.6		118
-105-M 22					105	22	57		16.3				79	0.9	9.5	1.2		116
-120-M 67					120	67	27		21				94		13	2.6		121
-125-M 42					125	42	57		18.4				99	1	11.2	1.9		119
-135-M 22	2				135	22	30	57	16.3		46		109	1.3	9.9	1.2		117
-150-M 67	1				150	67	57	—	21		—		124	1	13.2	3		122
-155-M 42	2				155	42	30	57	18.4		46		129	1.4	11.5	1.9		120
-180-M 67					180	67			21				154		13.6	3.1		123
-SLFB6- 75-M 22	1	6	14	4	75	22	27	—	16.3	32	—	18	49	0.8	9.3	1	○	124
- 95-M 42					95	42			18.4				69		10.9	1.6		127
-105-M 22					105	22	57		16.3				79	0.9	9.5	1.2		125
-120-M 67					120	67	27		21				94		13	2.6		130
-125-M 42					125	42	57		18.4				99	1	11.2	1.9		128
-135-M 22	2				135	22	30	57	16.3		46		109	1.3	9.9	1.2		126
-150-M 67	1				150	67	57	—	21		—		124	1	13.2	3		131
-155-M 42	2				155	42	30	57	18.4		46		129	1.4	11.5	1.9		129
-180-M 67					180	67			21				154		13.6	3.1		132

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S		Scale model
A63-SLSA 6- 90 CV	3	6	9	1.5	90	64	—	—	53	—	—	18	65	1	9.4	1.6	○	133
-120 CV					120	94							95	1.1	10.1	2.3		134
-150 CV					150	124							125	1.3	11	3.6		135
-180 CV					180	154							154	1.4	11.7	5.7		136
-210 CV					210	184							184	1.6	13	7.3		137
-240 CV					240	214							214		13.3	12		138
-270 CV					270	244							245	2.1	16.3	8.5	▲	139
-300 CV					300	274							275	2.3	17.2	11.7		140
-SLRA 6- 90 CV	3	6	13	3.5	90	64	—	—	53	—	—	18	65	1	8.3	0.8	★	141
-120 CV					120	94							95	1.1	9.3	1.2		142
-150 CV					150	124							125	1.3	10.1	1.9	○	143
-180 CV					180	154							155	1.4	11.1	2.8		144
-210 CV					210	184							185		11.5	4.8		145
-SLFA 6- 90 CV	3	6	13	3.5	90	64	—	—	53	—	—	18	65	1	8.3	0.8	★	146
-120 CV					120	94							95	1.1	9.3	1.2		147
-150 CV					150	124							125	1.3	10.1	1.9	○	148
-180 CV					180	154							155	1.4	11.1	2.8		149
-210 CV					210	184							185		11.5	4.8		150
A63-SLSA1/4- 90 CV	3	1/4	.37	.06	3.54	2.52	—	—	2.87	—	—	.71	2.56	1.9	7.7	1.6	○	151
-120 CV					4.72	3.70							3.74	2.2	8.5	2.4		152
-150 CV					5.91	4.88							4.92	2.5	9.4	3.7		153
-180 CV					7.09	6.06							6.10	2.8	10.4	5.5		154
-210 CV					8.27	7.24							7.24	3.1	12.1	7.5		155
-240 CV					9.45	8.43							8.43	3.5	13.2	9.6		156
-270 CV					10.63	9.61							9.65	4.1	14.2	11.3	▲	157
-300 CV					11.81	10.79							10.79	4.7	16.9	11.8		158
-SLRA1/4- 90 CV	3	1/4	.53	.14	3.54	2.52	—	—	2.87	—	—	.71	2.52	2.1	8.4	0.8	○	159
-120 CV					4.72	3.70							3.74	2.5	9.2	1.2		160
-150 CV					5.91	4.88							4.92	2.8	10.2	1.9		161
-180 CV					7.09	6.06							6.06	3.1	11.6	2.9		162
-210 CV					8.27	7.24							7.24	3.2	12.2	4.9		163
-SLFA1/4- 90 CV	3	1/4	.53	.14	3.54	2.52	—	—	2.87	—	—	.71	2.52	2.1	8.4	0.8	○	164
-120 CV					4.72	3.70							3.74	2.5	9.2	1.2		165
-150 CV					5.91	4.88							4.92	2.8	10.2	1.9		166
-180 CV					7.09	6.06							6.06	3.1	11.6	2.9		167
-210 CV					8.27	7.24							7.24	3.2	12.2	4.9		168
A63-SLSA8- 95-M 42	1	8	11	1.5	95	42	27	—	15.4	25	—	24	70	0.7	11.4	3.4	○	169
-120-M 67					120	67			18	32			94	0.8	14	5.4		172
-125-M 42					125	42	57		15.4	25			100		11.6	4.3		170
-150-M 67					150	67			18	32			124	1	14.2	5.9		173
-M 97						97	27		21.2					0.9	17.1	7.9		175
-155-M 42	2				155	42	33	54	15.4	25	39		130	1.1	12	4.3		171
-180-M 67					180	67	30	57	18	32	46		154	1.4	14.6	5.9		174
-M 97	1					97	57	—	21.2		—			1	17.4	8.7		176
-210-M 97	2				210		30	57			46		184	1.4	17.7			177
-SLSB8- 95-M 42	1	8	13	2.5	95	42	27	—	17.4	32	—	24	69	0.8	12.5	2.1	○	178
-120-M 67					120	67			20				94	0.9	15.7	3.5		181
-125-M 42					125	42	57		17.4				99	1	12.7	2.4		179
-150-M 67					150	67			20				124		15.9	4		182
-M 97						97	27		23.2					0.9	19.5	5.2		184
-155-M 42	2				155	42	30	57	17.4		46		129	1.4	13.1	2.4		180
-180-M 67					180	67			20				154		16.3	4		183
-M 97	1					97	57	—	23.2		—			1.1	19.8	6		185
-M127						127	27		26.3					1	23.4	7		187
-210-M 97	2				210	97	30	57	23.2		46		184	1.5	20.2	6		186
-M127	1					127	57	—	26.3		—			1.2	23.7	8.1		188
-M157						157	27		29.5	42			185		27.3	8		190
-240-M127	2				240	127	30	57	26.3	32	46		214	1.6	24	8.1	▲	189
-M157	1					157	57	—	29.5	42	—			1.5	27.5	8.6		191
-270-M157	2				270		28	59			53		242	2	27.9	8.7		192

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S		Scale model
A63-SLRB8- 75-M 22	1	8	18	5	75	22	27	—	20.3	32	—	24	49	0.8	10	0.7	×	193
- 95-M 42					95	42			22.4				69	0.9	12.5	1.1	○	196
-105-M 22					105	22	57		20.3				79	1	10.2	0.9	×	194
-120-M 67					120	67	27		25				94	0.9	15.7	1.7	○	199
A63 -125-M 42					125	42	57		22.4				99	1	12.8	1.4		197
-135-M 22	2				135	22	30	57	20.3		46		109	1.4	10.6	1	×	195
-150-M 67	1				150	67	57	—	25		—		124	1.1	16	2.2	○	200
-155-M 42	2				155	42	30	57	22.4		46		129	1.4	13.2	1.4		198
-180-M 67					180	67			25				155	1.5	16.4	2.2		201
-SLFB8- 75-M 22	1	8	18	5	75	22	27	—	20.3	32	—	24	49	0.8	10	0.7	×	202
- 95-M 42					95	42			22.4				69	0.9	12.5	1.1	○	205
-105-M 22					105	22	57		20.3				79	1	10.2	0.9	×	203
-120-M 67					120	67	27		25				94	0.9	15.7	1.7	○	208
-125-M 42					125	42	57		22.4				99	1	12.8	1.4		206
-135-M 22	2				135	22	30	57	20.3		46		109	1.4	10.6	1	×	204
-150-M 67	1				150	67	57	—	25		—		124	1.1	16	2.2	○	209
-155-M 42	2				155	42	30	57	22.4		46		129	1.4	13.2	1.4		207
-180-M 67					180	67			25				154	1.5	16.4	2.2		210
-SLSA 8- 90 CV	3	8	11	1.5	90	64	—	—	53	—	—	24	65	1	9.4	1.4	○	211
-120 CV					120	94							94	1.1	10.3	2		212
-150 CV					150	124							124	1.3	11.5	2.7		213
-180 CV					180	154							155	1.4	11.8	5		214
-210 CV					210	184							184	1.6	13.2	6.6	▲	215
-240 CV					240	214							214	1.8	14.4	8.3		216
-270 CV					270	244							244	2.2	17.2	6.9		217
-300 CV					300	274							274	2.4	18.5	8.9		218
-SLRA 8- 90 CV	3	8	16	4	90	64	—	—	53	—	—	24	65	1	8.4	0.7	○	219
-120 CV					120	94							95	1.2	9.6	1		220
-150 CV					150	124							125	1.4	10.8	1.4		221
-180 CV					180	154							155	1.5	12	2		222
-210 CV					210	184							185	1.6	12.5	3.5		223
-SLFA 8- 90 CV	3	8	16	4	90	64	—	—	53	—	—	24	65	1	8.4	0.7	○	224
-120 CV					120	94							95	1.2	9.6	1		225
-150 CV					150	124							125	1.4	10.8	1.4		226
-180 CV					180	154							155	1.5	12	2		227
-210 CV					210	184							185	1.6	12.5	3.5		228
A63-SLSA5/16- 90 CV	3	5/16	.43	.06	3.54	2.52	—	—	2.87	—	—	.94	2.56	1.9	7.7	1.5	○	229
-120 CV					4.72	3.70							3.70	2.2	8.9	2		230
-150 CV					5.91	4.88							4.88	2.6	10.2	2.8		231
-180 CV					7.09	6.06							6.10	2.7	10.4	5.2		232
-210 CV					8.27	7.24							7.17	3.1	13.6	6		233
-240 CV					9.45	8.43							8.43	3.8	14.5	6.8	▲	234
-270 CV					10.63	9.61							9.65	4.4	15.1	8.5		235
-300 CV					11.81	10.79							10.79	5.0	18.1	9		236
-SLRA5/16- 90 CV	3	5/16	.63	.16	3.54	2.52	—	—	2.87	—	—	.94	2.52	2.1	8.4	0.7	○	237
-120 CV					4.72	3.70							3.70	2.6	9.8	1		238
-150 CV					5.91	4.88							4.88	3.0	11.1	1.5		239
-180 CV					7.09	6.06							6.06	3.4	12.5	2.1		240
-210 CV					8.27	7.24							7.24	3.5	13.4	3.6		241
-SLFA5/16- 90 CV	3	5/16	.63	.16	3.54	2.52	—	—	2.87	—	—	.94	2.52	2.1	8.4	0.7	○	242
-120 CV					4.72	3.70							3.70	2.6	9.8	1		243
-150 CV					5.91	4.88							4.88	3.0	11.1	1.5		244
-180 CV					7.09	6.06							6.06	3.4	12.5	2.1		245
-210 CV					8.27	7.24							7.24	3.5	13.4	3.6		246

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg	N	S		Scale model
A63-SLSA10- 95-M 42	1	10	13	1.5	95	42	27	—	17.4	25	—	30	70	0.8	12.8	2.6	○	247
-120-M 67					120	67			20	32			94		16.6	4		250
-125-M 42					125	42	57		17.4	25			100		13	3.6		248
-150-M 67					150	67			20	32			124	1	16.9	4.6		251
-M 97						97	27		23.2					0.9	21.3	6		253
-155-M 42	2				155	42	33	54	17.4	25	39		130	1.1	13.4	3.5		249
-180-M 67					180	67	30	57	20	32	46		154	1.4	17.3	4.6		252
-M 97	1					97	57	—	23.2	36	—		153	1.2	21.6	6.4		254
-210-M 97	2				210		30	57		32	46		184	1.5	21.9	6.9		255
-SLSB10- 95-M 42	1	10	16	3	95	42	27	—	20.4	32	—	30	69	0.8	13.9	1.4	○	256
-120-M 67					120	67			23				94	0.9	18.5	2.4		259
-125-M 42					125	42	57		20.4				99	1	14.2	1.8		257
-150-M 67					150	67			23				124		18.8	3		260
-M 97						97	27		26.2						24	3.6		262
-155-M 42	2				155	42	28	59	20.4	36	50		128	1.6	14.6	1.7		258
-180-M 67					180	67	30	57	23	32	46		154	1.4	19.2	3		261
-M 97	1					97	57	—	26.2		—			1.1	24.3	4.5		263
-M127						127	27		29.3	42			155	1.2	30.2			265
-210-M 97	2				210	97	28	59	26.2	36	50		180	1.7	24.7	4.1		264
-M127	1					127	57	—	29.3	42	—		182	1.4	31	4.9		266
-M157						157	27		32.5				185	1.3	35.7	5.6		268
-240-M127					240	127	87		29.3				215	2.0	31.8	4.9	▲	267
-M157						157	57		32.5					1.8	36.5	5.8		269
-270-M157	2				270		28	59			53		245	2.1	37.4	6.2		270
SLRB10- 75-M 22	1	10	22	6	75	22	27	—	24.3	32	—	30	49	0.8	10.3	0.6	×	271
- 95-M 42					95	42			26.4				68	0.9	14	0.8	○	274
-105-M 22					105	22	57		24.3				79	1	10.6		×	272
-120-M 67					120	67	27		29	42			94	1.1	18.6	1.1	○	277
-125-M 42					125	42	57		26.4	32			99		14.2	1.2		275
-135-M 22	2				135	22	30	57	24.3		46		109	1.4	10.9	0.9	×	273
-150-M 67	1				150	67	57	—	29	42	—		124	1.3	18.9	1.3	○	278
-155-M 42	2				155	42	30	57	26.4	32	46		129	1.5	14.6	1.2		276
-180-M 67					180	67	28	59	29	42	53		154	1.8	19.2	1.3		279
-SLFB10- 75-M 22	1	10	22	6	75	22	27	—	24.3	32	—	30	49	0.8	10.3	0.6	×	280
- 95-M 42					95	42			26.4				69	0.9	14	0.8	○	283
-105-M 22					105	22	57		24.3				79	1	10.6	0.8	×	281
-120-M 67					120	67	27		29	42			94	1.1	18.6	1.1	○	286
-125-M 42					125	42	57		26.4	32			99		14.2	1.2		284
A63 -135-M 22	2				135	22	30	57	24.3		46		109	1.4	10.9	0.9	×	282
-150-M 67	1				150	67	57	—	29	42	—		124	1.3	18.9	1.3	○	287
-155-M 42	2				155	42	30	57	26.4	32	46		129	1.5	14.6	1.2		285
-180-M 67					180	67	28	59	29	42	53		154	1.8	19.2	1.3		288
-SLSA10- 90 CV	3	10	13	1.5	90	64	—	—	53	—	—	30	65	1	9.4	1.3	○	289
-120 CV					120	94							95	1.3	10.9			290
-150 CV					150	124							125	1.4	11.8	2.2		291
-180 CV					180	154							154	1.6	12.9	3.4		292
-210 CV					210	184							184		13.3	6		293
-240 CV					240	214							212	2.1	16	5.8	▲	294
-270 CV					270	244							244		17.5	6.6		295
-300 CV					300	274							274	2.3	18.7	8.6		296

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S		Scale model
A63-SLRA10- 90 CV	3	10	19	4.5	90	64	—	—	53	—	—	30	65	1	8.5	0.6	×	297
-120 CV					120	94							95	1.2	9.6	0.9	○	298
-150 CV					150	124							125	1.3	10.9	1.4		299
-180 CV					180	154							155	1.5	12.1	2		300
-210 CV					210	184							185	1.6	13.3	3.1		301
-SLFA10- 90 CV	3	10	19	4.5	90	64	—	—	53	—	—	30	65	1	8.5	0.6	×	302
-120 CV					120	94							95	1.2	9.6	0.9	○	303
-150 CV					150	124							125	1.3	10.9	1.4		304
-180 CV					180	154							155	1.5	12.1	2		305
-210 CV					210	184							185	1.6	13.3	3.1		306
A63-SLSA3/8- 90 CV	3	3/8	.49	.06	3.54	2.52	—	—	2.87	—	—	1.18	2.56	1.9	7.7	1.3	○	307
-120 CV					4.72	3.70							3.74	2.2	8.7	2.2		308
-150 CV					5.91	4.88							4.88	2.6	10.4	2.6		309
-180 CV					7.09	6.06							6.06	3.0	11.8	3.6		310
-210 CV					8.27	7.24							7.24	3.4	13.4	4.9		311
-240 CV					9.45	8.43							8.46	4.0	14.2	6	▲	312
-270 CV					10.63	9.61							9.61	4.5	17.1	6.8		313
-300 CV					11.81	10.79							10.79	5.0	18.5	8.8		314
-SLRA3/8- 90 CV	3	3/8	.73	.185	3.54	2.52	—	—	2.87	—	—	1.18	2.52	2.1	8.4	0.7	×	315
-120 CV					4.72	3.70							3.70	2.6	9.7	1	○	316
-150 CV					5.91	4.88							4.88	3.0	11.2	1.4		317
-180 CV					7.09	6.06							6.06	3.4	12.7	2		318
-210 CV					8.27	7.24							7.28	3.8	13.2	2.9		319
-SLFA3/8- 90 CV	3	3/8	.73	.185	3.54	2.52	—	—	2.87	—	—	1.18	2.52	2.1	8.4	0.7	×	320
-120 CV					4.72	3.70							3.70	2.6	9.7	1	○	321
-150 CV					5.91	4.88							4.88	3.0	11.2	1.4		322
-180 CV					7.09	6.06							6.06	3.4	12.7	2		323
-210 CV					8.27	7.24							7.28	3.8	13.2	2.9		324
A63-SLSA12- 95-M 42	1	12	15	1.5	95	42	27	—	19.4	32	—	30	69	0.8	15.2	1.8	○	325
-120-M 67					120	67			22				94		20.6	3.3		328
-125-M 42					125	42	57		19.4				99	1	15.4	2.3		326
-150-M 67					150	67			22				124		20.8	3.9		329
-M 97						97	27		25.2					0.9	27.5	4.9		331
-155-M 42	2				155	42	30	57	19.4		46		129	1.4	15.8	2.3		327
-180-M 67					180	67			22				154		21.2	3.9		330
-M 97	1					97	57	—	25.2		—			1.1	27.8	5.8		332
-210-M 97	2				210		30	57			46		184	1.5	28.2		▲	333
-SLSB12- 95-M 42	1	12	19	3.5	95	42	27	—	23.4	32	—	30	69	0.8	16.5	1.1	○	334
-120-M 67					120	67			26				94	0.9	22.8	1.8		337
-125-M 42					125	42	57		23.4				99	1	16.8	1.5		335
A63 -150-M 67					150	67			26				124	1.1	23.1	2.5		338
-M 97						97	27		29.2	42			125		30.9	2.4		340
-155-M 42	2				155	42	30	57	23.4	32	46		129	1.4	17.2	1.6		336
-180-M 67					180	67			26				154	1.5	23.4	2.5		339
-M 97	1					97	57	—	29.2	42	—		152	1.4	31.7	2.8		341
-M127						127	27		32.3				155	1.3	38.5	3.3		343
-210-M 97					210	97	87		29.2	50			180	1.9	32.6	2.8	▲	342
-M127						127	57		32.3					1.7	39.3	3.5		344
-M157						157	27		35.5	42			185	1.4	46	4.1		346
-240-M127					240	127	87		32.3	50			215	2.1	40.1	3.8		345
-M157						157	57		35.5					1.9	46.8	4.3		347
-270-M157	2				270		28	59		42	53		242	2.2	47.7	4.8		348

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg lbs	N	S		Scale model
A63-SLRB12- 75-M 22	1	12	26	7	75	22	27	—	28.3	42	—	30	50	0.9	14.5	0.4	×	349
- 95-M 42					95	42			30.4				70	1	17.2	0.6		352
-105-M 22					105	22	57		28.3				77	1.2	15.3	0.5		350
-120-M 67					120	67	27		33				95		23.5	0.8		355
-125-M 42					125	42	57		30.4				97	1.3	18	0.7		353
-135-M 22	2				135	22	28	59	28.3		53		107	1.7	16.2	0.6		351
-150-M 67	1				150	67	57	—	33	42	—		122	1.4	24.3	1.1		356
-155-M 42					155	42	87		30.4	50			125	1.8	18.9	0.8		354
-180-M 67	2				180	67	28	59	33	42	53		152	1.9	25.2	1.1		357
-SLFB12- 75-M 22	1	12	26	7	75	22	27	—	28.3	42	—	30	50	0.9	14.5	0.4	×	358
- 95-M 42					95	42			30.4				70	1	17.2	0.6		361
-105-M 22					105	22	57		28.3				77	1.2	15.3	0.5		359
-120-M 67					120	67	27		33				95		23.5	0.8		364
-125-M 42					125	42	57		30.4				97	1.3	18	0.7		362
-135-M 22	2				135	22	28	59	28.3		53		107	1.7	16.2	0.6		360
-150-M 67	1				150	67	57	—	33		—		122	1.4	24.3	1.1		365
-155-M 42					155	42	86		30.4	50			125	1.8	18.9	0.8		363
-180-M 67	2				180	67	28	59	33	42	53		152	1.9	25.2	1.1		366
-SLSA12- 90 CV	3	12	15	1.5	90	64	—	—	53	—	—	30	64	1.1	9.9	0.9	○	367
-120 CV					120	94							94	1.3	11.3	1.2		368
-150 CV					150	124							124	1.4	11.8	2.4		369
-180 CV					180	154							154	1.6	13	3.3		370
-210 CV					210	184							184	1.8	14.3	4.6		371
-240 CV					240	214							212	2.1	16.2	5.5	▲	372
-270 CV					270	244							244	2.3	18.4	5.4		373
-SLRA12- 90 CV	3	12	22	5	90	64	—	—	53	—	—	30	64	1	8.5	0.6	×	374
-120 CV					120	94							94	1.3	10.4	0.7		375
A63 -150 CV					150	124							124	1.5	11.7	1.1	○	376
-180 CV					180	154							154		12.8	1.8		377
-210 CV					210	184							184	1.6	14	2.8		378
-SLFA12- 90 CV	3	12	22	5	90	64	—	—	53	—	—	30	64	1	8.5	0.6	×	379
-120 CV					120	94							94	1.3	10.4	0.7		380
-150 CV					150	124							124	1.5	11.7	1.1	○	381
-180 CV					180	154							154		12.8	1.8		382
-210 CV					210	184							184	1.6	14	2.8		383
A63-SLSA1/2- 90 CV	3	1/2	.62	.06	3.54	2.52	—	—	2.87	—	—	1.18	2.52	2.1	8.4	0.8	○	384
-120 CV					4.72	3.70							3.70	2.5	10	1.2		385
-150 CV					5.91	4.88							4.88		10.9	2.4		386
-180 CV					7.09	6.06							6.06	2.9	12.4	3.4		387
-210 CV					8.27	7.24							7.17	3.5	16.3	3.6		388
-240 CV					9.45	8.43							8.35	4.0	19.1	4.3	▲	389
-270 CV					10.63	9.61							9.53	4.7	20.9	5.1		390
-SLRA1/2- 90 CV	3	1/2	.89	.20	3.54	2.52	—	—	2.87	—	—	1.18	2.44	2.2	9.3	0.5	×	391
-120 CV					4.72	3.70							3.70	2.8	10.6	0.7		392
-150 CV					5.91	4.88							4.88	3.2	12.1	1.1	○	393
-180 CV					7.09	6.06							5.98		15.5	1.9		394
-210 CV					8.27	7.24							7.24	4.4	15.7	2		395
-SLFA1/2- 90 CV	3	1/2	.89	.20	3.54	2.52	—	—	2.87	—	—	1.18	2.44	2.2	9.3	0.5	×	396
-120 CV					4.72	3.70							3.70	2.8	10.6	0.7		397
-150 CV					5.91	4.88							4.88	3.2	12.1	1.1	○	398
-180 CV					7.09	6.06							5.98		15.5	1.9		399
-210 CV					8.27	7.24							7.24	4.4	15.7	2		400

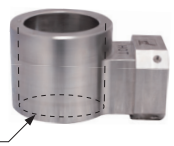
CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S	Scale model
A63-SLSB16- 95-M 42	1	16	24	4	95	42	27	—	28.4	42	—	32	70	1	22.7	0.7	401
-120-M 67					120	67			31				95	1.1	33	1.1	404
-125-M 42					125	42	57		28.4				97	1.2	23.5	0.9	402
-150-M 67					150	67			31				122	1.3	33.8	1.4	405
-M 97						97	27		34.2				125	1.2	45.5	1.7	407
-155-M 42					155	42	87		28.4	50			130	1.7	24.4	0.9	403
-180-M 67	2				180	67	28	59	31	42	53		152	1.8	34.7	1.5	406
-M 97	1					97	57	—	34.2		—			1.4	46.3	2.1	408
A63 -M127						127	27		37.3	53			155	1.5	57.9		410
-210-M 97					210	97	87		34.2	50			185	2	47.1		409
-M127						127	57		37.3	53			181	1.9	58.7	2.3	411
-M157						157	27		40.5				185	1.7	70.3	2.7	413
-240-M127					240	127	87		37.3				211	2.3	59.5	2.6	412
-M157						157	57		40.5	50			215	2.1	71.1	3.1	414
-270-M157					270		87			53			241	2.5	72	3.2	415
-SLRB16- 75-M 22	1	16	32	8	75	22	27	—	34.3	42	—	32	50	1	14.5	0.3	416
- 95-M 42					95	42			36.4				70	1.1	22.8	0.5	419
-105-M 22					105	22	57		34.3				77	1.2	15.3		417
-120-M 67					120	67	27		39				95	1.3	33.2	0.7	422
-125-M 42					125	42	57		36.4				97		23.6		420
-135-M 22	2				135	22	28	59	34.3		53		107	1.7	16.2	0.5	418
-150-M 67	1				150	67	57	—	39		—		122	1.5	34	0.9	423
-155-M 42	2				155	42	28	59	36.4		53		127	1.9	24.5	0.7	421
-180-M 67					180	67			39				152	2	34.9	1	424
-SLFB16- 75-M 22	1	16	32	8	75	22	27	—	34.3	42	—	32	50	1	14.5	0.3	425
- 95-M 42					95	42			36.4				70	1.1	22.8	0.5	428
-105-M 22					105	22	57		34.3				77	1.2	15.3		426
-120-M 67					120	67	27		39				95	1.3	33.2	0.7	431
-125-M 42					125	42	57		36.4				97		23.6		429
-135-M 22	2				135	22	28	59	34.3		53		107	1.7	16.2	0.5	427
-150-M 67	1				150	67	57	—	39	50	—		120		34	0.7	432
-155-M 42					155	42	86		36.4				125	1.9	24.5		430
-180-M 67	2				180	67	28	59	39	42	53		152	2	34.9	1	433
-SLSB16- 90 CV	3	16	21	2.5	90	64	—	—	53	—	—	32	62	1.1	10.5	0.6	434
-120 CV					120	94							92	1.5	12.4	0.8	435
-150 CV					150	124							122	1.6	13.5	1.5	436
-180 CV					180	154							152	1.9	15.4	1.9	437
-210 CV					210	184							182	2.1	16.5	3	438
-240 CV					240	214							212	2.4	18.4	3.7	439
-270 CV					270	244							242	2.7	20.3	4.6	440
A63-SLSB5/8- 90 CV	3	5/8	.82	.10	3.54	2.52	—	—	2.87	—	—	1.26	2.44	2.1	9.3	0.6	441
-120 CV					4.72	3.70							3.62	2.6	11.7	0.8	442
-150 CV					5.91	4.88							4.80	2.9	13.4	1.5	443
-180 CV					7.09	6.06							5.98	3.4	15.8	1.9	444
-210 CV					8.27	7.24							7.17	3.6	17.5	3	445
-240 CV					9.45	8.43							8.35	4.2	19.9	3.7	446
-270 CV					10.63	9.61							9.53	4.8	22.3	4.6	447

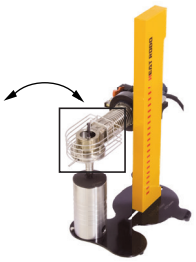
CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S	Scale model
A63-SLSB20- 95-M 42	1	20	29	4.5	95	42	27	—	33.4	42	—	40	70	1	25.4	0.5	448
-120-M 67					120	67			36				95	1.1	40.8	0.9	451
-125-M 42					125	42	57		33.4				97	1.2	26.2	0.8	449
-150-M 67					150	67			36				122	1.4	41.6	1.2	452
-M 97						97	27		39.2	53			125		59.3	1.1	454
-155-M 42					155	42	87		33.4	50			130	1.8	27.1	0.8	450
-180-M 67	2				180	67	28	59	36	42	53		152	1.9	42.5	1.2	453
-M 97	1					97	57	—	39.2	53	—		151	1.8	60.1	1.3	455
-M127						127	27		42.3				155	1.6	79.1	1.5	457
-210-M 97					210	97	87		39.2				181	2.2	61	1.6	456
-M127						127	57		42.3					2	79.9	1.8	458
-M157						157	27		45.5				185	1.9	97.6	1.9	460
-240-M127					240	127	87		42.3	50			215	2.3	80.7	2.3	459
-M157						157	57		45.5	53			211		98.4	2.2	461
-270-M157					270		87			50			245	2.6	99.3	2.8	462
-SLRB20- 95-M 42	1	20	38	9	95	42	27	—	42.4	53	—	40	70	1.3	25.6	0.3	463
-120-M 67					120	67			45				95	1.5	41	0.5	466
A63 -125-M 42					125	42	57		42.4				96	1.7	26.4	0.4	464
-150-M 67					150	67			45				121	1.9	41.8	0.6	467
-155-M 42					155	42	87		42.4				126	2.1	27.2		465
-180-M 67					180	67			45				151	2.3	42.7	0.8	468
-SLFB20- 95-M 42	1	20	38	9	95	42	27	—	42.4	53	—	40	70	1.3	25.6	0.3	469
-120-M 67					120	67			45				95	1.5	41	0.5	472
-125-M 42					125	42	57		42.4				96	1.7	26.4	0.4	470
-150-M 67					150	67			45	50			120	1.9	41.8	0.7	473
-155-M 42					155	42	87		42.4				125	2	27.2	0.6	471
-180-M 67					180	67			45				150	2.2	42.7	0.9	474
-SLSB20- 90 CV	3	20	26	3	90	64	—	—	51	—	—	40	62	1.2	10.7	0.5	475
-120 CV					120	94			53				92	1.5	12.8	0.8	476
-150 CV					150	124							122	1.7	14.1	1.3	477
-180 CV					180	154							152	2	16.2	1.8	478
-210 CV					210	184							182	2.4	18.2	2.3	479
-240 CV					240	214							212	2.7	20.2	3	480
-270 CV					270	244							242	3.1	22.8	3.4	481
A63-SLSB3/4- 90 CV	3	3/4	.99	.12	3.54	2.52	—	—	2.87	—	—	1.50	2.44	2.1	9.5	0.6	482
-120 CV					4.72	3.70							3.62	2.6	12.2	0.8	483
-150 CV					5.91	4.88							4.80	2.9	14.5	1.4	484
-180 CV					7.09	6.06							5.98	3.4	17.1	1.8	485
-210 CV					8.27	7.24							7.17	3.9	19.8	2.4	486
-240 CV					9.45	8.43							8.35	4.5	22.4	3.1	487
-270 CV					10.63	9.61							9.53	5.0	25	3.9	488
A63-SLRB25- 95-M 42	1	25	45	10	95	42	27	—	49.4	53	—	45	70	1.4	28.7	0.3	489
-125-M 42					125		57						96	1.8	29.5	0.4	490
-155-M 42					155		87						126	2.2	30.4	0.6	491
-SLFB25- 95-M 42	1	25	45	10	95	42	27	—	49.4	53	—	45	70	1.4	28.7	0.3	492
-125-M 42					125		57						96	1.8	29.5	0.4	493
-155-M 42					155		87						126	2.2	30.4	0.6	494
NEW **A63**-SLRB32-110-M 42	1	32	54	11	110	42	42	—	58.4	63	—	50	84	1.8	13.3	0.3	495

φ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70

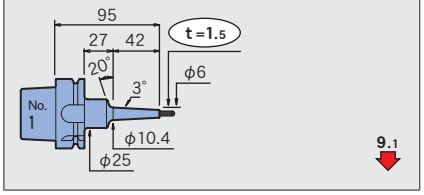




HEAT ROBO Baby3000S

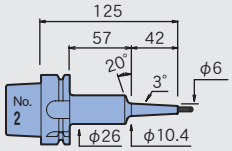
ϕ3

A63-SLSA3-95-M42



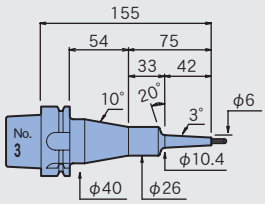
9.1

A63-SLSA3-125-M42



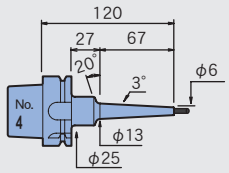
9.6

A63-SLSA3-155-M42



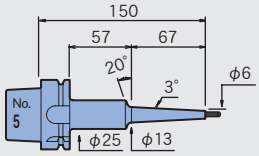
9.9

A63-SLSA3-120-M67



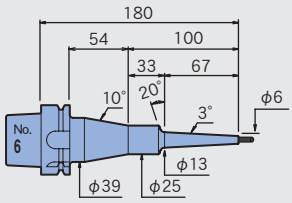
14.7

A63-SLSA3-150-M67



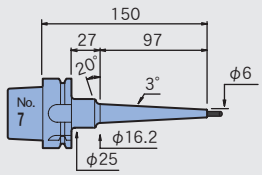
15.8

A63-SLSA3-180-M67



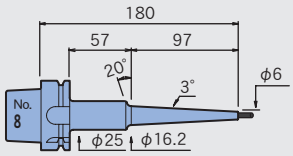
15.7

A63-SLSA3-150-M97



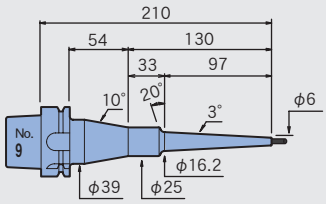
20.5

A63-SLSA3-180-M97



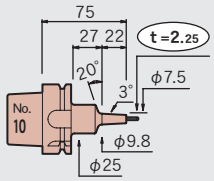
22.2

A63-SLSA3-210-M97



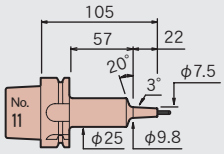
22.1

A63-SLRA3-75-M22



2.8

A63-SLRA3-105-M22



3.2

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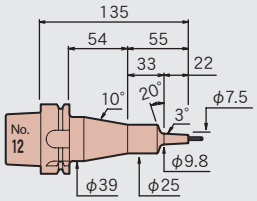
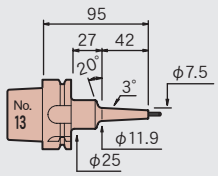


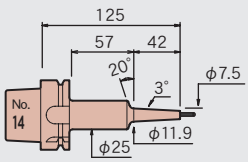
3.2

A63-SLRA3-95-M42



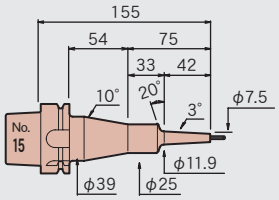
5.3

A63-SLRA3-125-M42



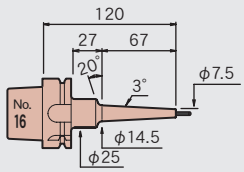
6.0

A63-SLRA3-155-M42



6.0

A63-SLRA3-120-M67



8.8

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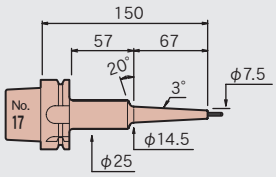
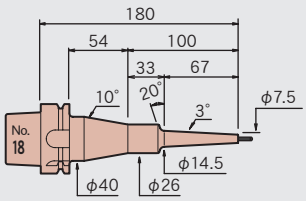


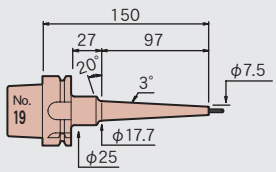
9.9

A63-SLRA3-180-M67



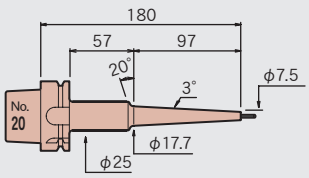
9.8

A63-SLRA3-150-M97



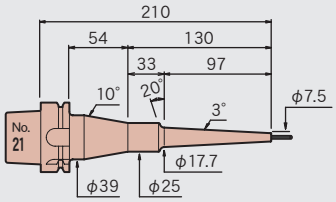
12.9

A63-SLRA3-180-M97



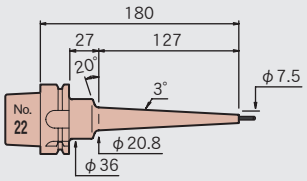
14.6

A63-SLRA3-210-M97



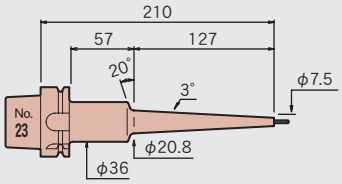
14.4

A63-SLRA3-180-M127



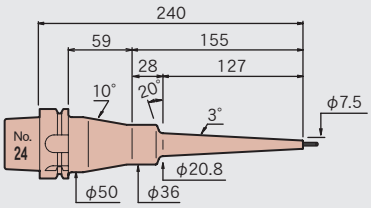
15.7

A63-SLRA3-210-M127



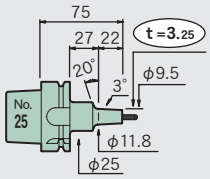
16.2

A63-SLRA3-240-M127



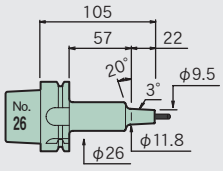
16.3

A63-SLFB3-75-M22



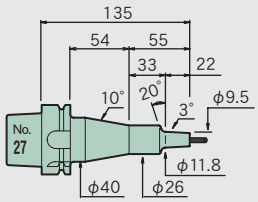
1.9

A63-SLFB3-105-M22



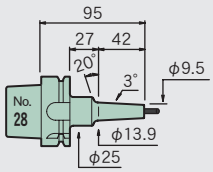
2.3

A63-SLFB3-135-M22



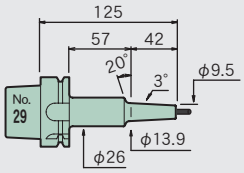
2.3

A63-SLFB3-95-M42



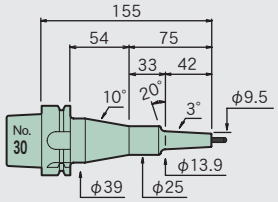
3.2

A63-SLFB3-125-M42



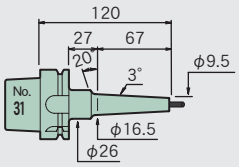
3.8

A63-SLFB3-155-M42



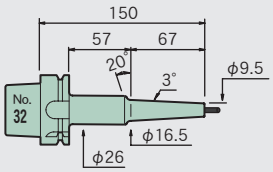
3.9

A63-SLFB3-120-M67



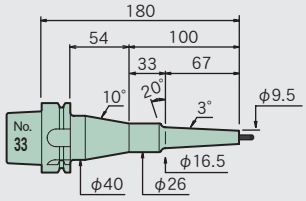
5.3

A63-SLFB3-150-M67



6.3

A63-SLFB3-180-M67

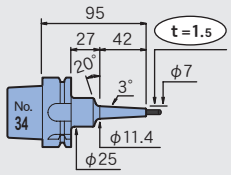


6.3

A63 S=1:7

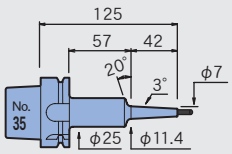
ϕ4

A63-SLSA4-95-M42



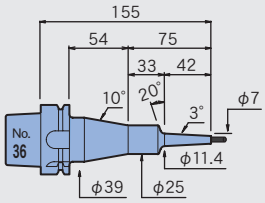
7.2

A63-SLSA4-125-M42



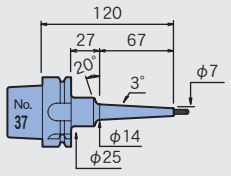
7.9

A63-SLSA4-155-M42



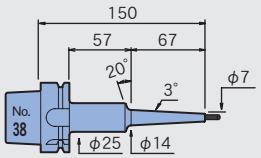
7.9

A63-SLSA4-120-M67



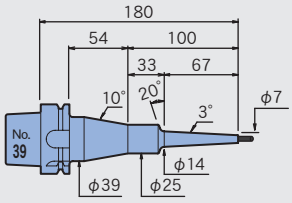
11.7

A63-SLSA4-150-M67



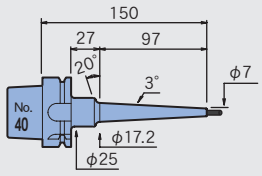
12.8

A63-SLSA4-180-M67



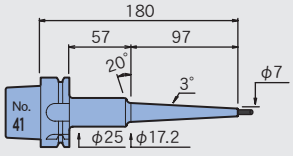
12.8

A63-SLSA4-150-M97



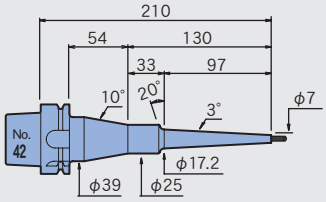
16.6

A63-SLSA4-180-M97



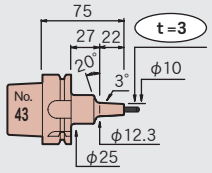
18.4

A63-SLSA4-210-M97



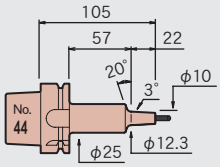
18.2

A63-SLRA4-75-M22



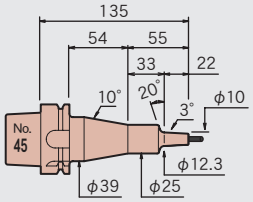
1.7

A63-SLRA4-105-M22



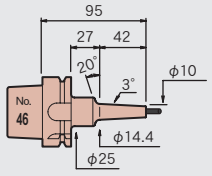
2.2

A63-SLRA4-135-M22



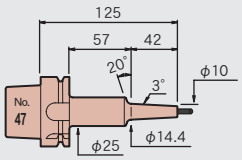
2.2

A63-SLRA4-95-M42



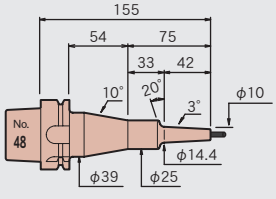
3.1

A63-SLRA4-125-M42



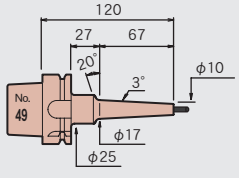
3.8

A63-SLRA4-155-M42



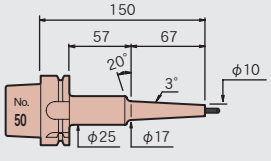
3.8

A63-SLRA4-120-M67



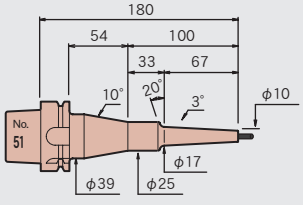
5.1

A63-SLRA4-150-M67



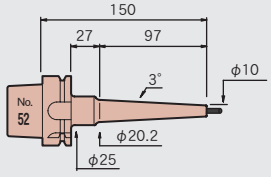
6.3

A63-SLRA4-180-M67



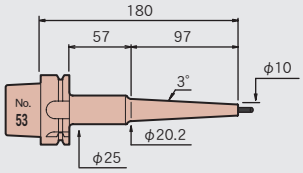
6.2

A63-SLRA4-150-M97



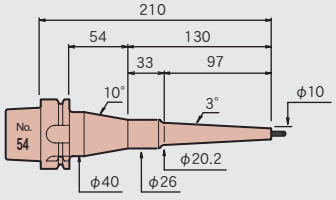
7.7

A63-SLRA4-180-M97



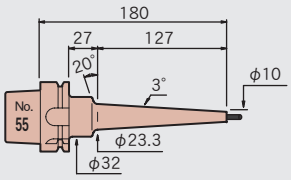
9.5

A63-SLRA4-210-M97



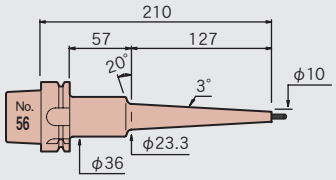
9.1

A63-SLRA4-180-M127



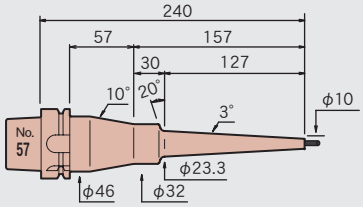
9.4

A63-SLRA4-210-M127



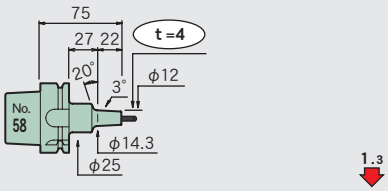
9.9

A63-SLRA4-240-M127



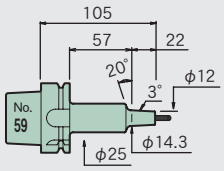
10.3

A63-SLFB4-75-M22



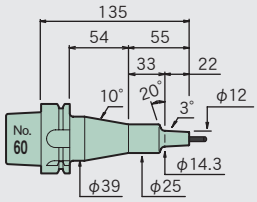
1.3

A63-SLFB4-105-M22



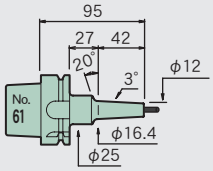
1.8

A63-SLFB4-135-M22



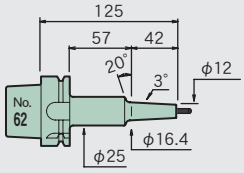
1.8

A63-SLFB4-95-M42



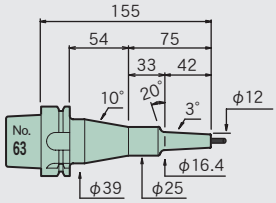
2.2

A63-SLFB4-125-M42



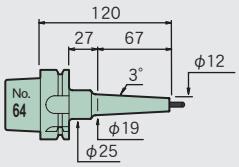
2.9

A63-SLFB4-155-M42



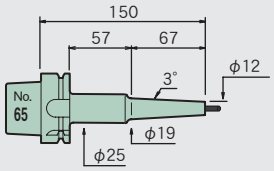
2.9

A63-SLFB4-120-M67



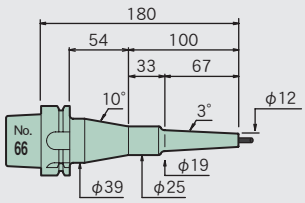
3.6

A63-SLFB4-150-M67



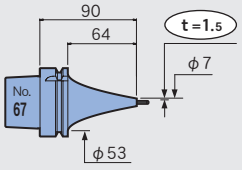
4.7

A63-SLFB4-180-M67



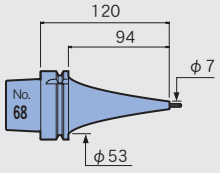
4.6

A63-SLSA4-90 CV



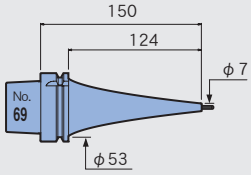
1.8

A63-SLSA4-120 CV



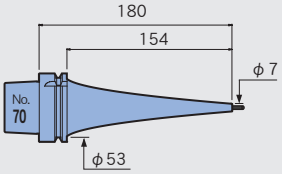
2.7

A63-SLSA4-150 CV



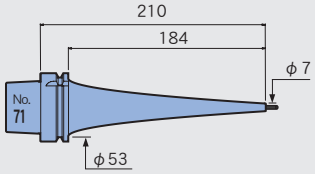
4.0

A63-SLSA4-180 CV



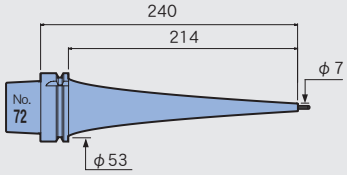
6.6

A63-SLSA4-210 CV



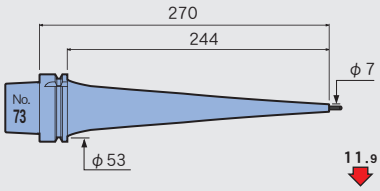
11.6

A63-SLSA4-240 CV



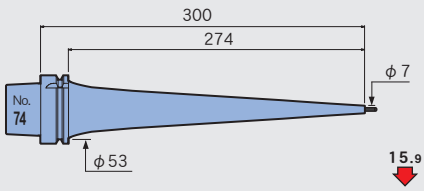
14.0

A63-SLSA4-270 CV



11.9

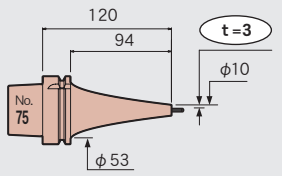
A63-SLSA4-300 CV



15.9

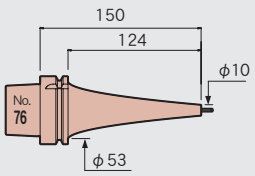
A63 S=1:7

A63-SLRA4-120 CV



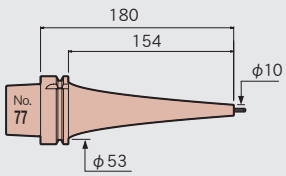
1.9

A63-SLRA4-150 CV



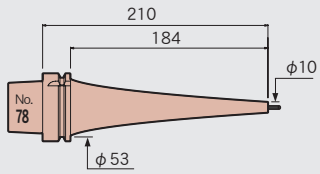
2.9

A63-SLRA4-180 CV



3.3

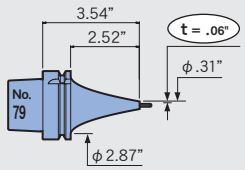
A63-SLRA4-210 CV



5.6

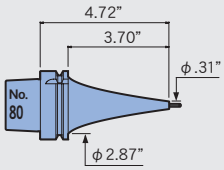
ϕ3/16

A63-SLSA3/16-90 CV



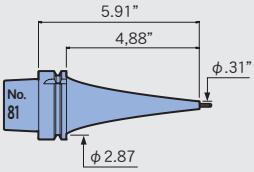
2.0

A63-SLSA3/16-120 CV



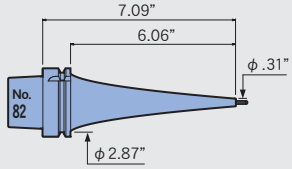
2.6

A63-SLSA3/16-150 CV



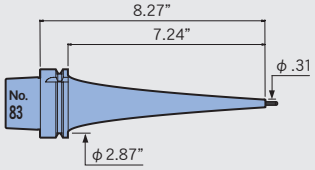
4.0

A63-SLSA3/16-180 CV



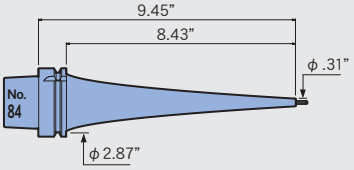
6.5

A63-SLSA3/16-210 CV



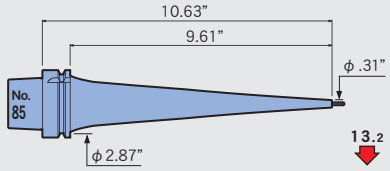
8.4

A63-SLSA3/16-240 CV



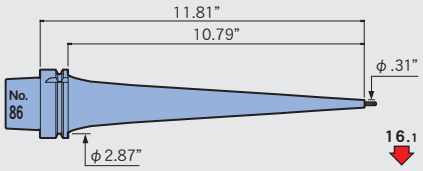
10.6

A63-SLSA3/16-270 CV



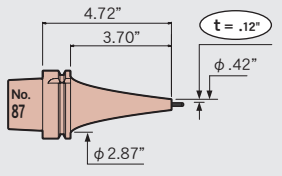
13.2

A63-SLSA3/16-300 CV



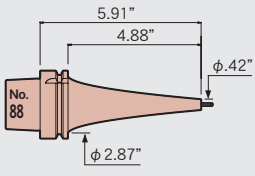
16.1

A63-SLRA3/16-120 CV



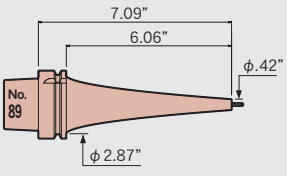
1.8

A63-SLRA3/16-150 CV



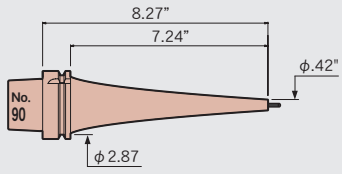
2.4

A63-SLRA3/16-180 CV



3.3

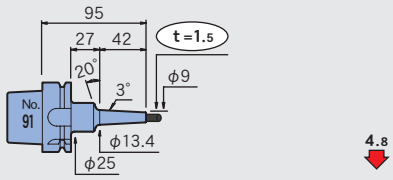
A63-SLRA3/16-210 CV



5.7

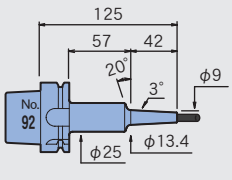
φ6

A63-SLSA6-95-M42



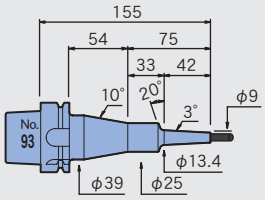
4.8

A63-SLSA6-125-M42



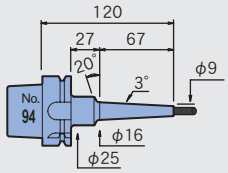
5.6

A63-SLSA6-155-M42



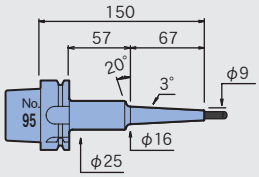
5.6

A63-SLSA6-120-M67



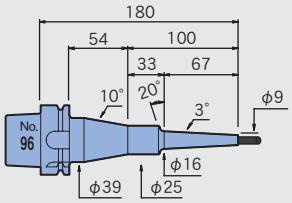
8.0

A63-SLSA6-150-M67



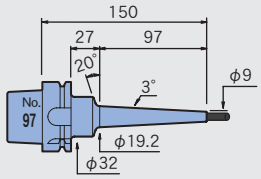
9.3

A63-SLSA6-180-M67



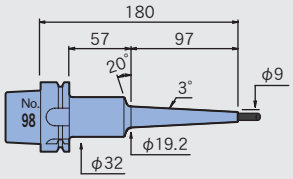
9.2

A63-SLSA6-150-M97



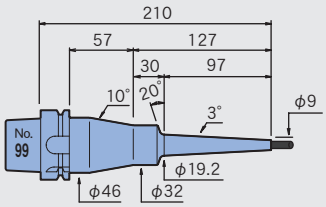
11.0

A63-SLSA6-180-M97



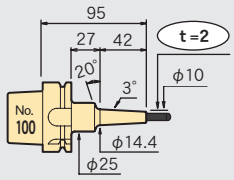
11.7

A63-SLSA6-210-M97



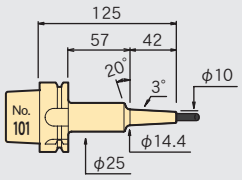
11.7

A63-SLSB6-95-M42



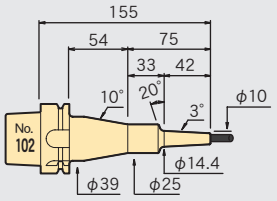
3.7

A63-SLSB6-125-M42



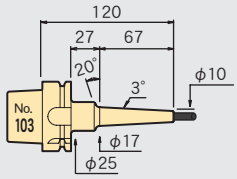
4.5

A63-SLSB6-155-M42



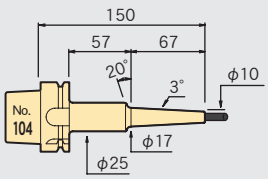
4.4

A63-SLSB6-120-M67



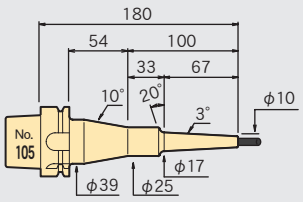
6.2

A63-SLSB6-150-M67



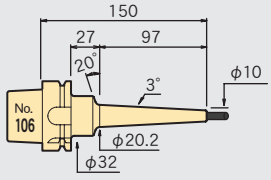
7.4

A63-SLSB6-180-M67



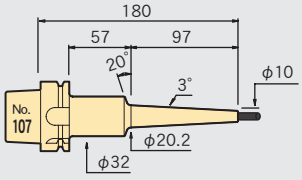
7.3

A63-SLSB6-150-M97



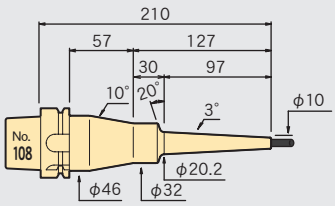
8.5

A63-SLSB6-180-M97



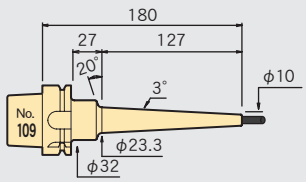
9.2

A63-SLSB6-210-M97



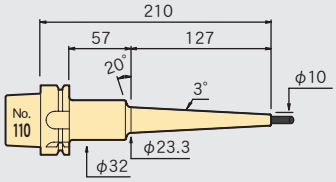
9.2

A63-SLSB6-180-M127



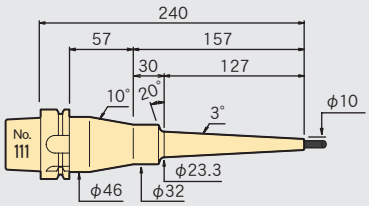
11.0

A63-SLSB6-210-M127



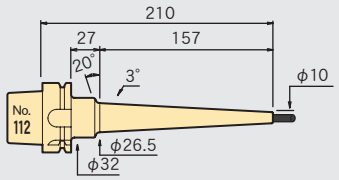
12.0

A63-SLSB6-240-M127



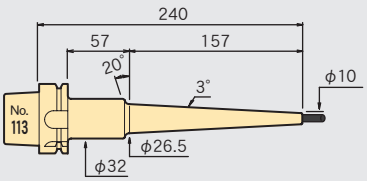
12.0

A63-SLSB6-210-M157



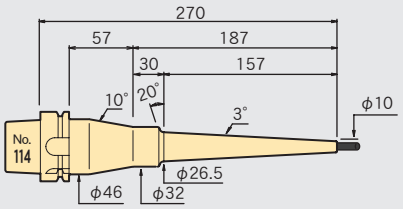
13.2

A63-SLSB6-240-M157



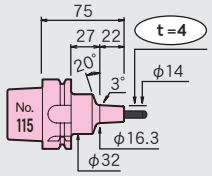
14.6

A63-SLSB6-270-M157



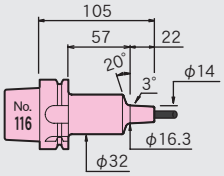
14.6

A63-SLRB6-75-M22



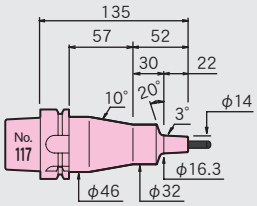
1.0

A63-SLRB6-105-M22



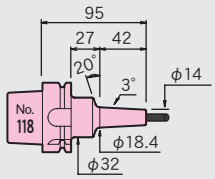
1.2

A63-SLRB6-135-M22



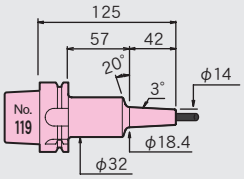
1.2

A63-SLRB6-95-M42



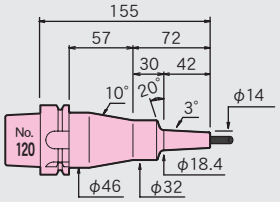
1.6

A63-SLRB6-125-M42



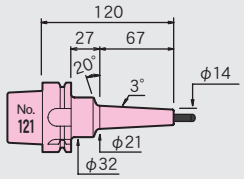
1.9

A63-SLRB6-155-M42



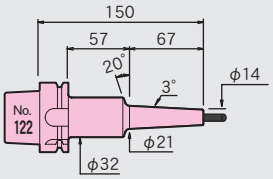
1.9

A63-SLRB6-120-M67



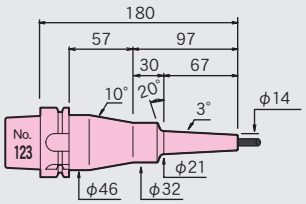
2.6

A63-SLRB6-150-M67



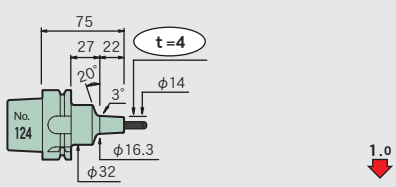
3.0

A63-SLRB6-180-M67



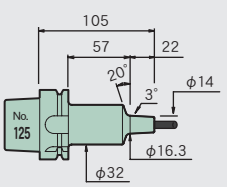
3.1

A63-SLFB6-75-M22



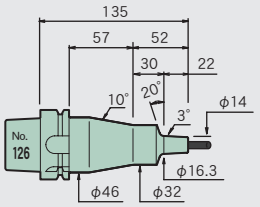
1.0

A63-SLFB6-105-M22



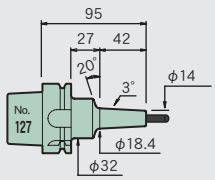
1.2

A63-SLFB6-135-M22



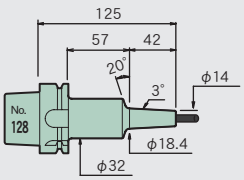
1.2

A63-SLFB6-95-M42



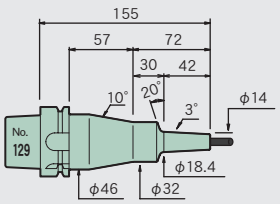
1.6

A63-SLFB6-125-M42



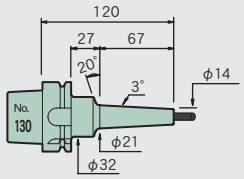
1.9

A63-SLFB6-155-M42



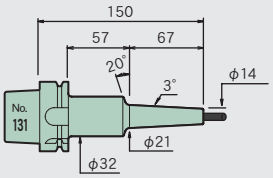
1.9

A63-SLFB6-120-M67



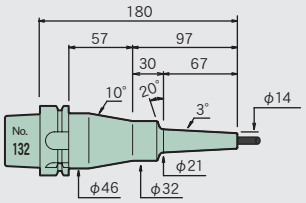
2.6

A63-SLFB6-150-M67



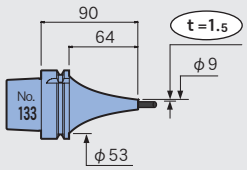
3.0

A63-SLFB6-180-M67



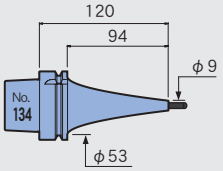
3.1

A63-SLSA6-90 CV



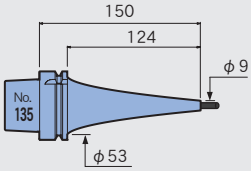
1.6

A63-SLSA6-120 CV



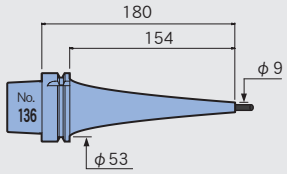
2.3

A63-SLSA6-150 CV



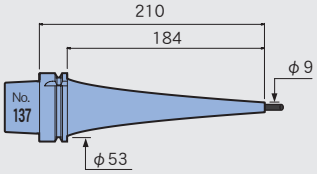
3.6

A63-SLSA6-180 CV



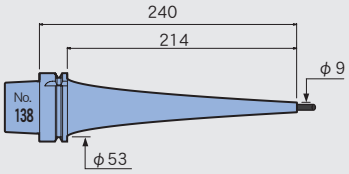
5.7

A63-SLSA6-210 CV



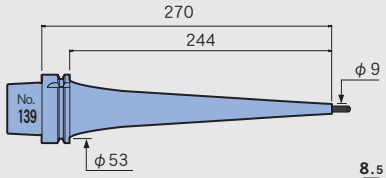
7.3

A63-SLSA6-240 CV



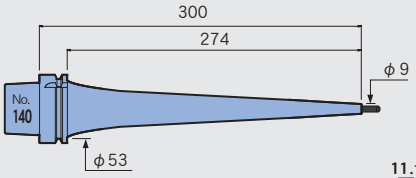
12.0

A63-SLSA6-270 CV



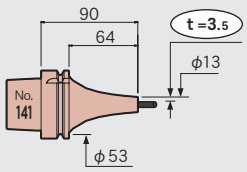
8.5

A63-SLSA6-300 CV



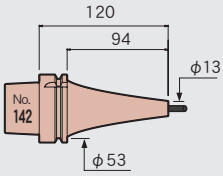
11.7

A63-SLRA6-90 CV



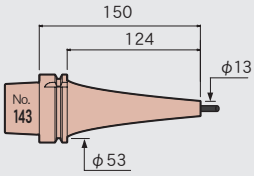
0.8

A63-SLRA6-120 CV



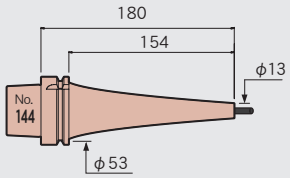
1.2

A63-SLRA6-150 CV



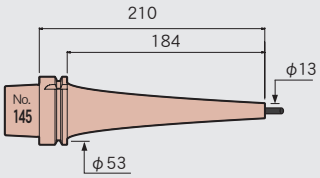
1.9

A63-SLRA6-180 CV



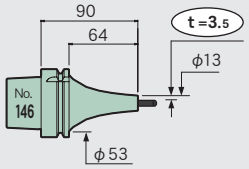
2.8

A63-SLRA6-210 CV



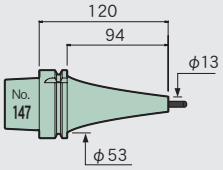
4.8

A63-SLFA6-90 CV



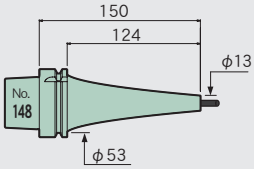
0.8

A63-SLFA6-120 CV



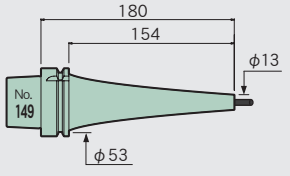
1.2

A63-SLFA6-150 CV



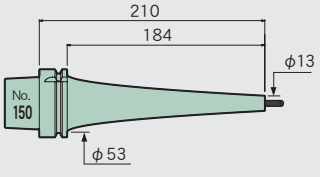
1.9

A63-SLFA6-180 CV



2.8

A63-SLFA6-210 CV

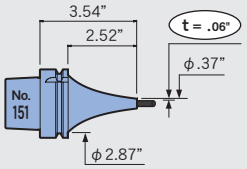


4.8

A63 S=1:7

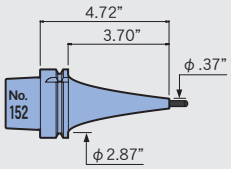
$\phi 1/4$

A63-SLSA1/4-90 CV



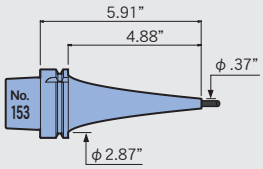
1.6

A63-SLSA1/4-120 CV



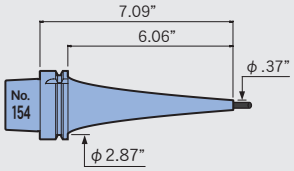
2.4

A63-SLSA1/4-150 CV



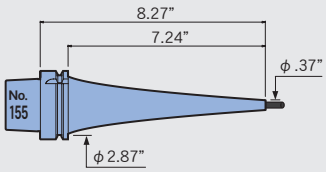
3.7

A63-SLSA1/4-180 CV



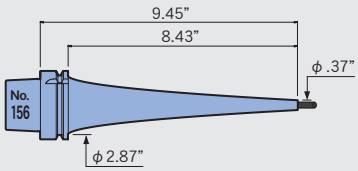
5.5

A63-SLSA1/4-210 CV



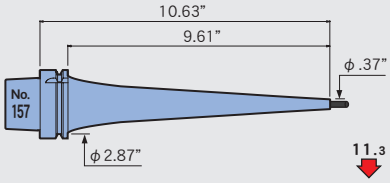
7.5

A63-SLSA1/4-240 CV



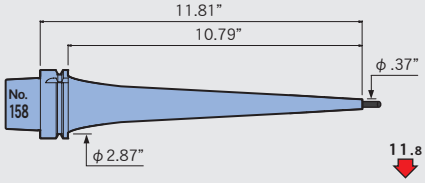
9.6

A63-SLSA1/4-270 CV



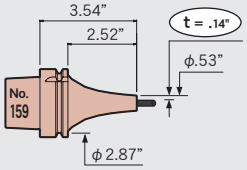
11.3

A63-SLSA1/4-300 CV



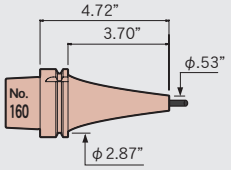
11.8

A63-SLRA1/4-90 CV



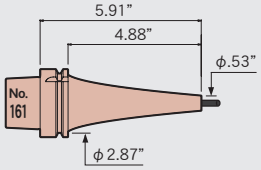
0.8

A63-SLRA1/4-120 CV



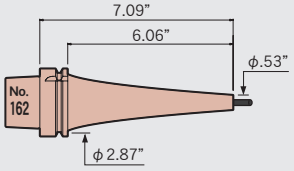
1.2

A63-SLRA1/4-150 CV



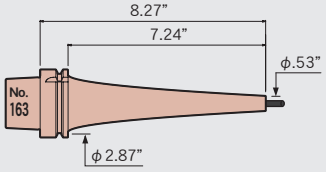
1.9

A63-SLRA1/4-180 CV



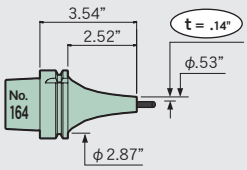
2.9

A63-SLRA1/4-210 CV



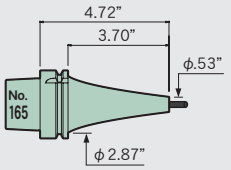
4.9

A63-SLFA1/4-90 CV



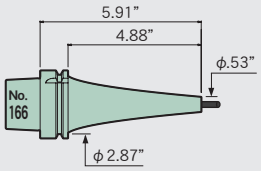
0.8

A63-SLFA1/4-120 CV



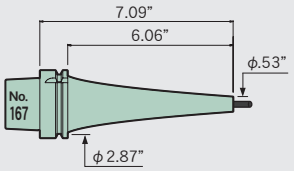
1.2

A63-SLFA1/4-150 CV



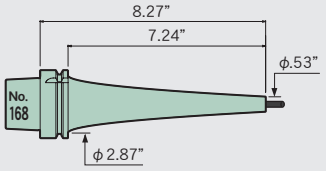
1.9

A63-SLFA1/4-180 CV



2.9

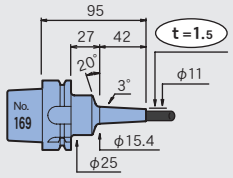
A63-SLFA1/4-210 CV



4.9

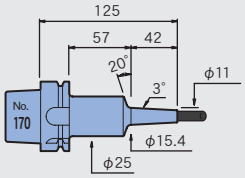
ϕ8

A63-SLSA8-95-M42



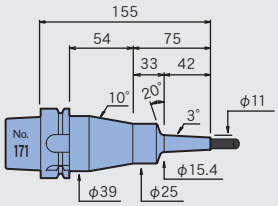
3.4

A63-SLSA8-125-M42



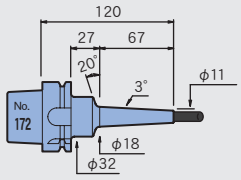
4.3

A63-SLSA8-155-M42



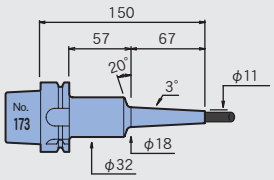
4.3

A63-SLSA8-120-M67



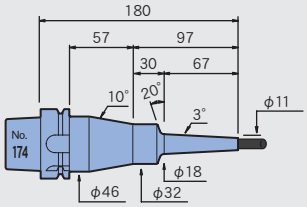
5.4

A63-SLSA8-150-M67



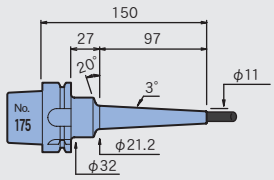
5.9

A63-SLSA8-180-M67



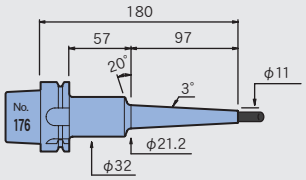
5.9

A63-SLSA8-150-M97



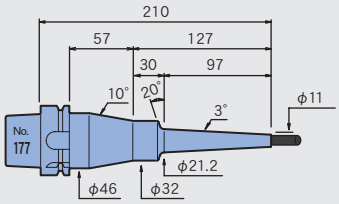
7.9

A63-SLSA8-180-M97



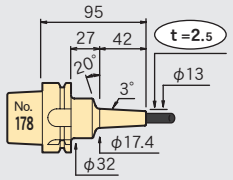
8.7

A63-SLSA8-210-M97



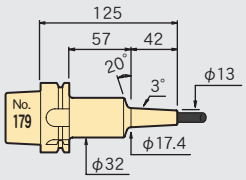
8.7

A63-SLSB8-95-M42



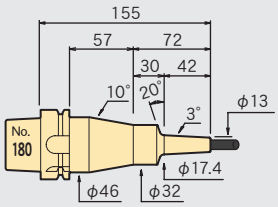
2.1

A63-SLSB8-125-M42



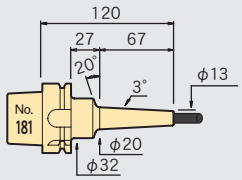
2.4

A63-SLSB8-155-M42



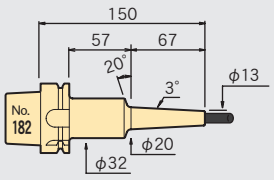
2.4

A63-SLSB8-120-M67



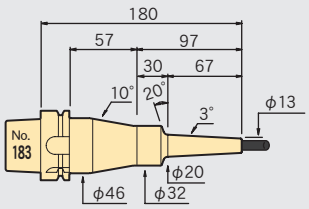
3.5

A63-SLSB8-150-M67



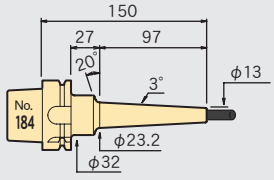
4.0

A63-SLSB8-180-M67



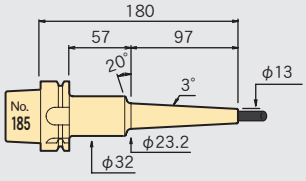
4.0

A63-SLSB8-150-M97



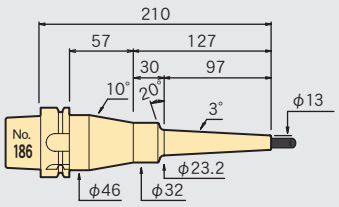
5.2

A63-SLSB8-180-M97



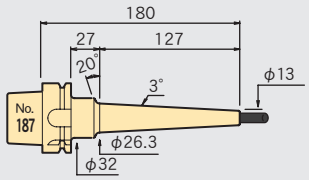
6.0

A63-SLSB8-210-M97



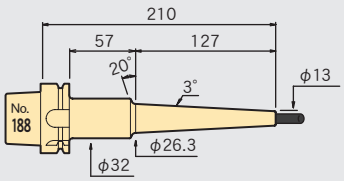
6.0

A63-SLSB8-180-M127



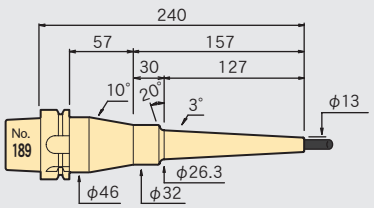
7.0

A63-SLSB8-210-M127



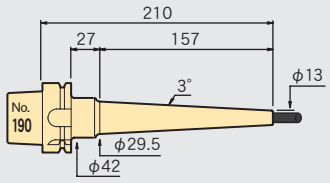
8.0

A63-SLSB8-240-M127



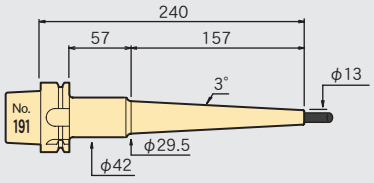
8.1

A63-SLSB8-210-M157



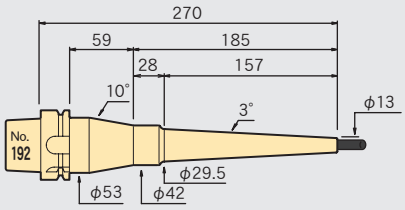
8.0

A63-SLSB8-240-M157



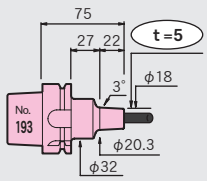
8.6

A63-SLSB8-270-M157



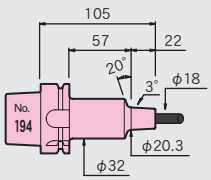
8.7

A63-SLRB8-75-M22



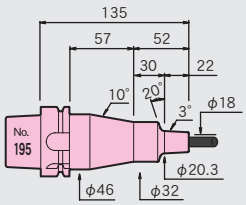
0.7

A63-SLRB8-105-M22



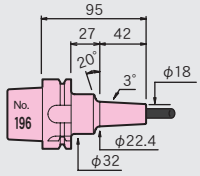
0.9

A63-SLRB8-135-M22



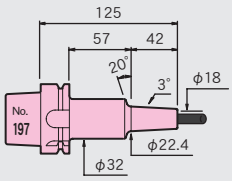
1.0

A63-SLRB8-95-M42



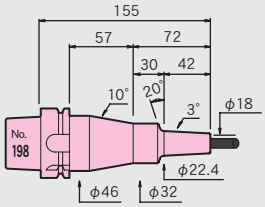
1.1

A63-SLRB8-125-M42



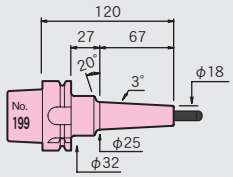
1.4

A63-SLRB8-155-M42



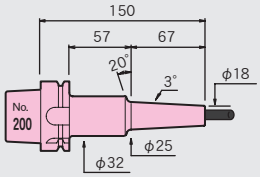
1.4

A63-SLRB8-120-M67



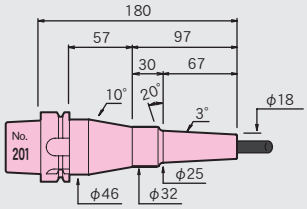
1.7

A63-SLRB8-150-M67



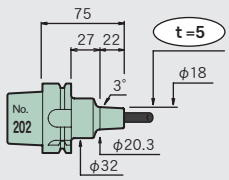
2.2

A63-SLRB8-180-M67



2.2

A63-SLFB8-75-M22



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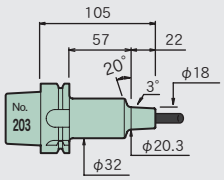
A63-SLFB8-105-M22



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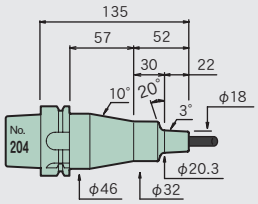
A63-SLFB8-135-M22



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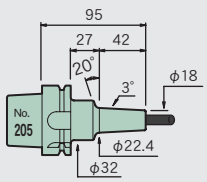
A63-SLFB8-95-M42



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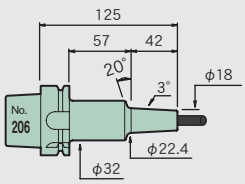
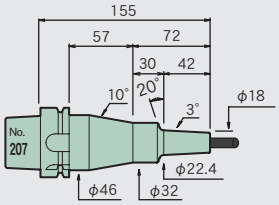
A63-SLFB8-125-M42



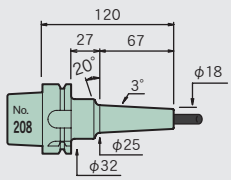
1.4

A63-SLFB8-155-M42



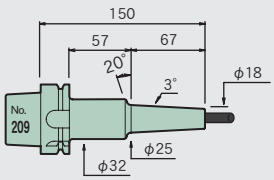
1.4

A63-SLFB8-120-M67



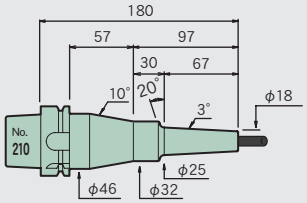
1.7

A63-SLFB8-150-M67



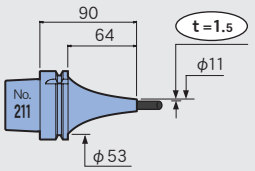
2.2

A63-SLFB8-180-M67



2.2

A63-SLSA8-90 CV



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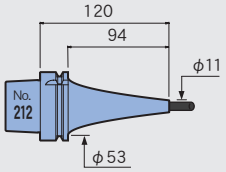
A63-SLSA8-120 CV



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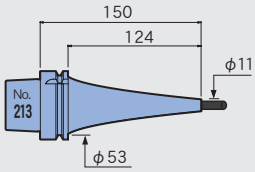

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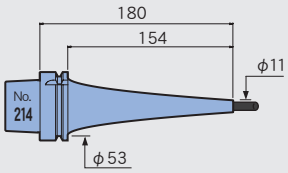
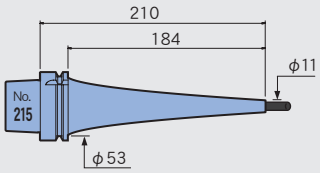
A63-SLSA8-180 CV



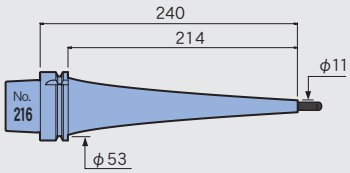
5.0

A63-SLSA8-210 CV



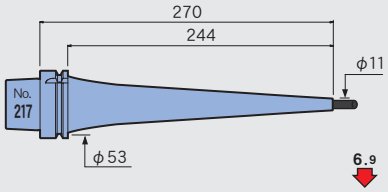
6.6

A63-SLSA8-240 CV



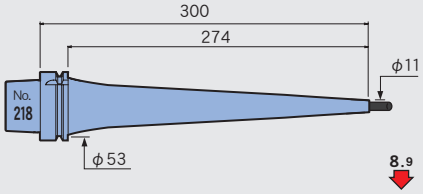
8.3

A63-SLSA8-270 CV



6.9

A63-SLSA8-300 CV



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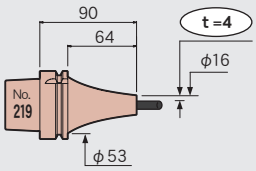
A63-SLRA8-90 CV



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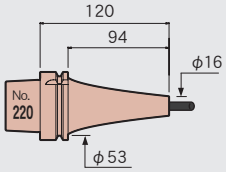
A63-SLRA8-120 CV



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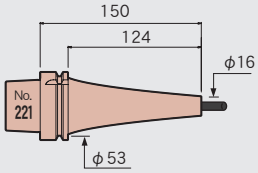
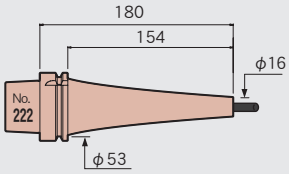


1.4

A63-SLRA8-180 CV



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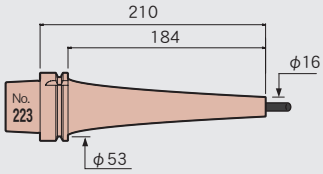
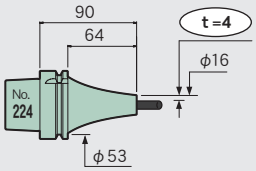


3.5

A63-SLFA8-90 CV



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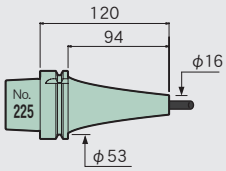
A63-SLFA8-120 CV



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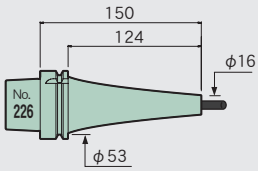
A63-SLFA8-150 CV



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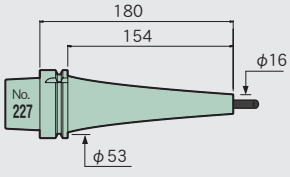
A63-SLFA8-180 CV



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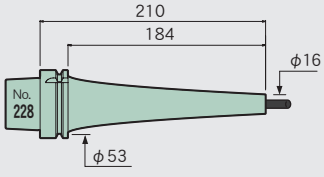
A63-SLFA8-210 CV

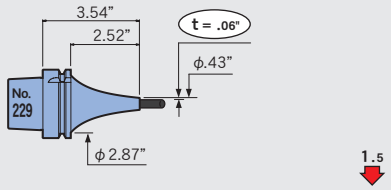


3.5

A63 S=1:7

$\phi 5/16$

A63-SLSA5/16-90 CV



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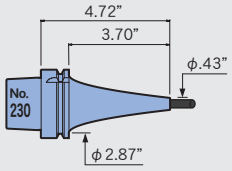

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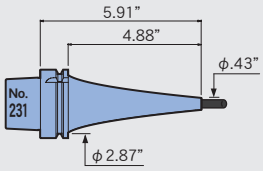

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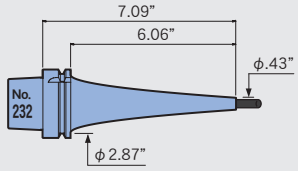
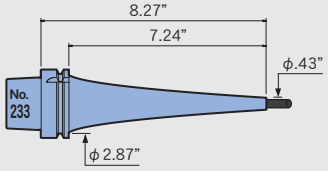
A63-SLSA5/16-180 CV



5.2

A63-SLSA5/16-210 CV



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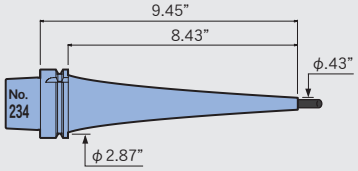
A63-SLSA5/16-240 CV



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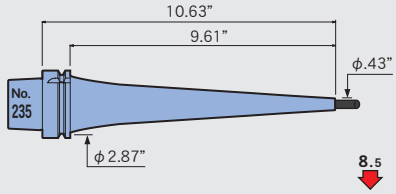
A63-SLSA5/16-270 CV



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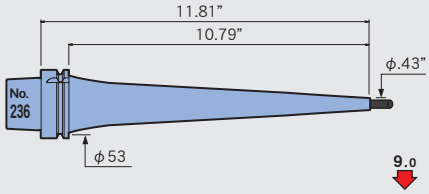
A63-SLSA5/16-300 CV



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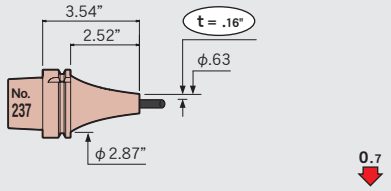
A63-SLRA5/16-90 CV



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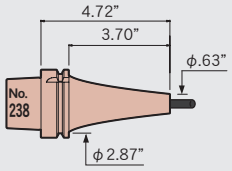
A63-SLRA5/16-120 CV



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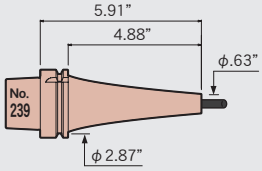
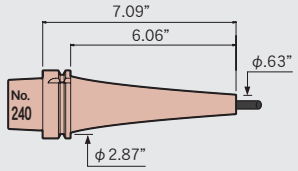
A63-SLRA5/16-150 CV



1.5

A63-SLRA5/16-180 CV



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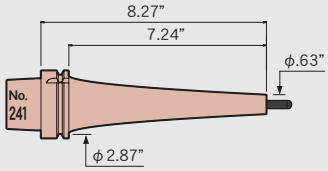
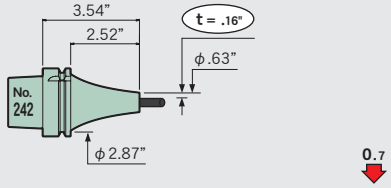
A63-SLRA5/16-210 CV



3.6

A63-SLFA5/16-90 CV



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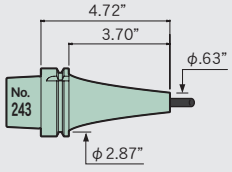
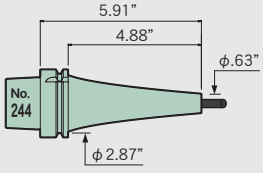
A63-SLFA5/16-120 CV



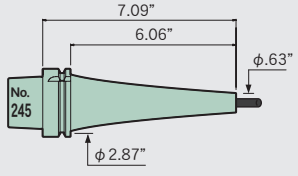
1.0

A63-SLFA5/16-150 CV



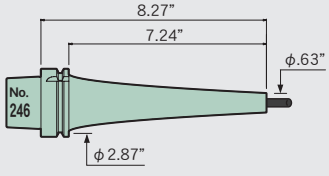
1.5

A63-SLFA5/16-180 CV



2.1

A63-SLFA5/16-210 CV



3.6

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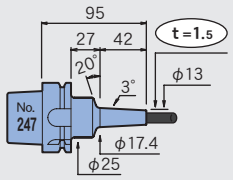
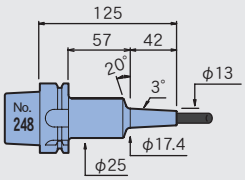
A63-SLSA10-95-M42



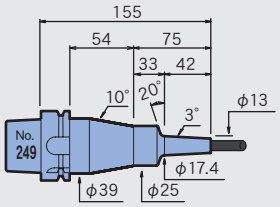
2.6

A63-SLSA10-125-M42



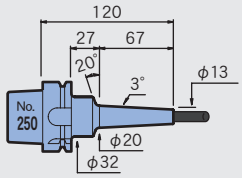
3.6

A63-SLSA10-155-M42



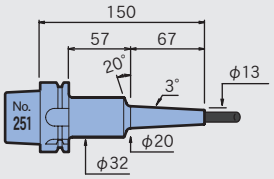
3.5

A63-SLSA10-120-M67



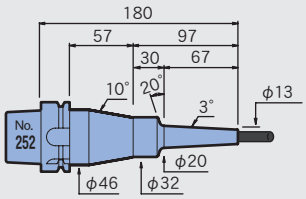
4.0

A63-SLSA10-150-M67



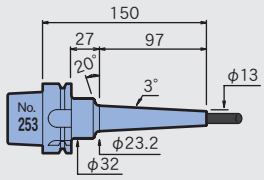
4.6

A63-SLSA10-180-M67



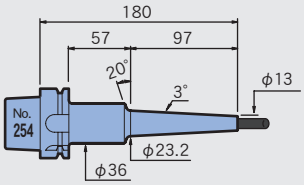
4.6

A63-SLSA10-150-M97



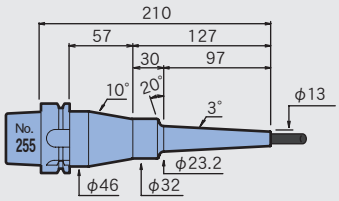
6.0

A63-SLSA10-180-M97



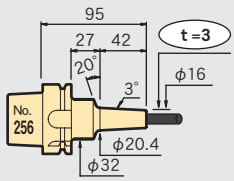
6.4

A63-SLSA10-210-M97



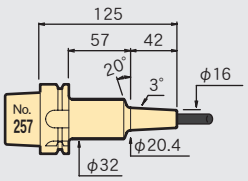
6.9

A63-SLSB10-95-M42



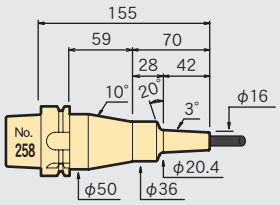
1.4

A63-SLSB10-125-M42



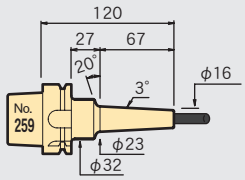
1.8

A63-SLSB10-155-M42



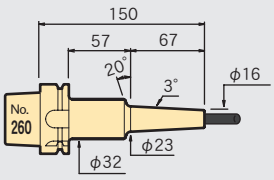
1.7

A63-SLSB10-120-M67



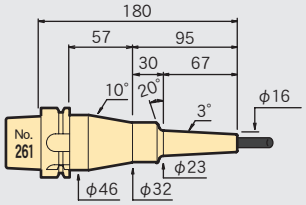
2.4

A63-SLSB10-150-M67



3.0

A63-SLSB10-180-M67



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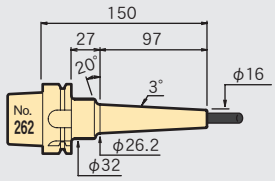
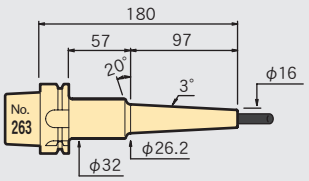
A63-SLSB10-150-M97



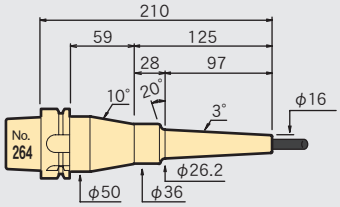
3.6

A63-SLSB10-180-M97



4.5

A63-SLSB10-210-M97



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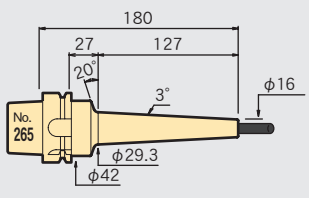
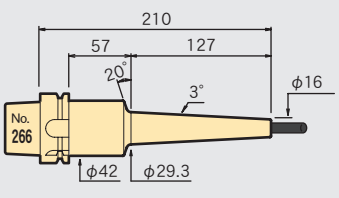
A63-SLSB10-180-M127



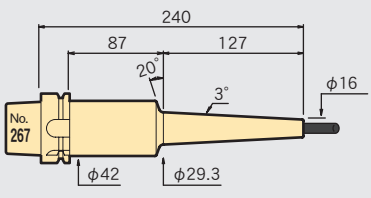
4.5

A63-SLSB10-210-M127



4.9

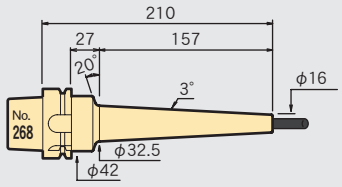
A63-SLSB10-240-M127



4.9

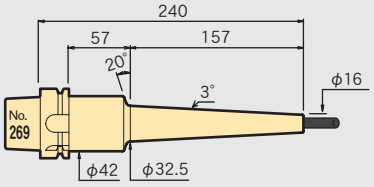
A63 S=1:7

A63-SLSB10-210-M157



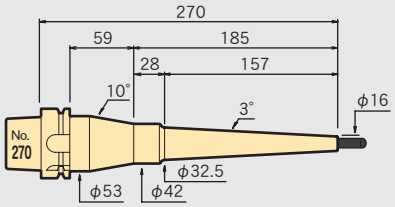
5.6

A63-SLSB10-240-M157



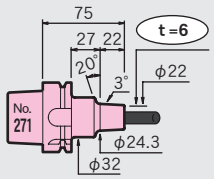
5.8

A63-SLSB10-270-M157



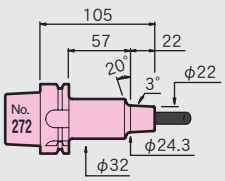
6.2

A63-SLRB10-75-M22



0.6

A63-SLRB10-105-M22



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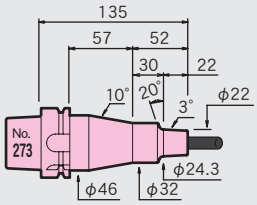
A63-SLRB10-135-M22



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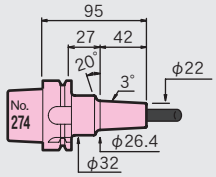
A63-SLRB10-95-M42



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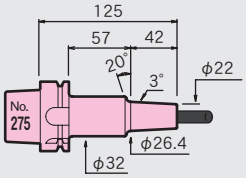
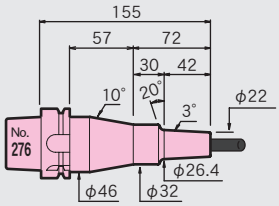
A63-SLRB10-125-M42



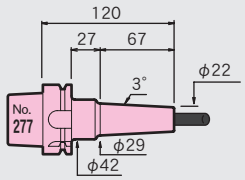
1.2

A63-SLRB10-155-M42



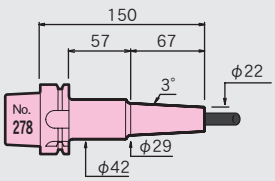
1.2

A63-SLRB10-120-M67



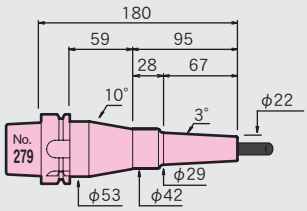
1.1

A63-SLRB10-150-M67



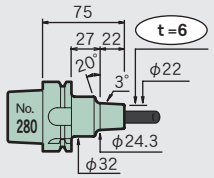
1.3

A63-SLRB10-180-M67



1.3

A63-SLFB10-75-M22



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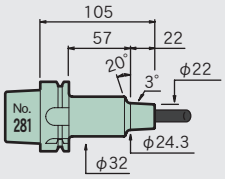
A63-SLFB10-105-M22



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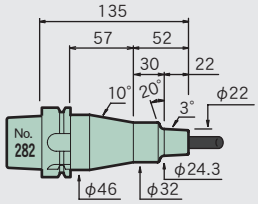
A63-SLFB10-135-M22



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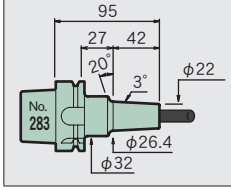
A63-SLFB10-95-M42



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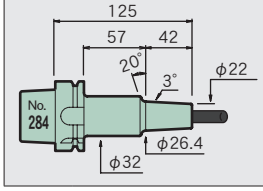

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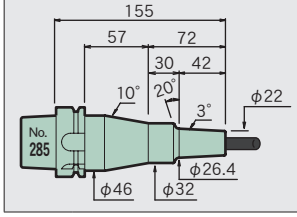
A63-SLFB10-155-M42



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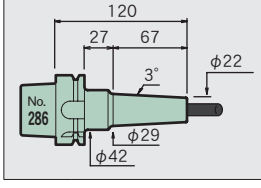
A63-SLFB10-120-M67



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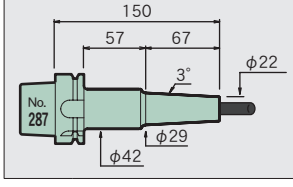
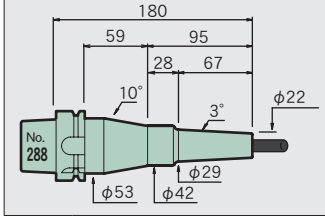
A63-SLFB10-150-M67



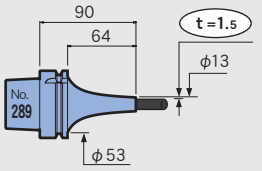
1.3

A63-SLFB10-180-M67



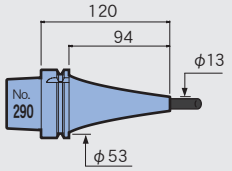
1.3

A63-SLSA10-90 CV



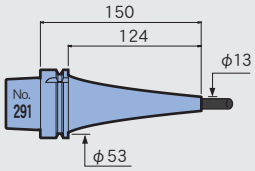
1.3

A63-SLSA10-120 CV



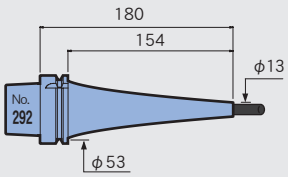
1.3

A63-SLSA10-150 CV



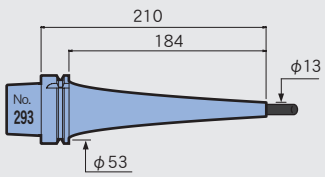
2.2

A63-SLSA10-180 CV



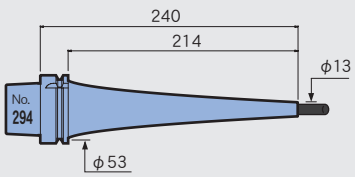
3.4

A63-SLSA10-210 CV



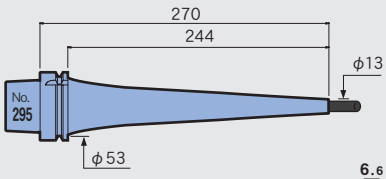
6.0

A63-SLSA10-240 CV



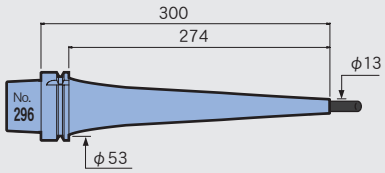
5.8

A63-SLSA10-270 CV



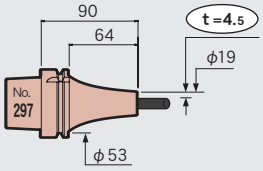
6.6

A63-SLSA10-300 CV



8.6

A63-SLRA10-90 CV



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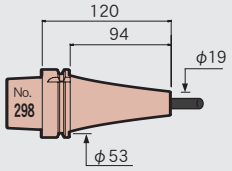
A63-SLRA10-120 CV



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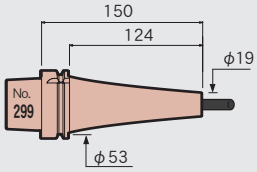
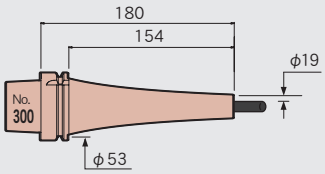
A63-SLRA10-150 CV



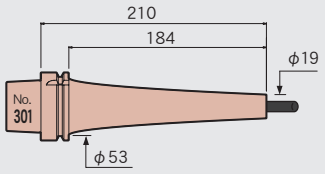
1.4

A63-SLRA10-180 CV



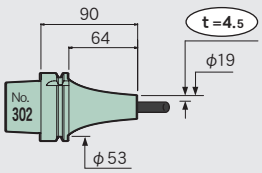
2.0

A63-SLRA10-210 CV



3.1

A63-SLFA10-90 CV



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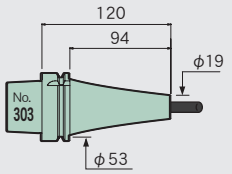
A63-SLFA10-120 CV



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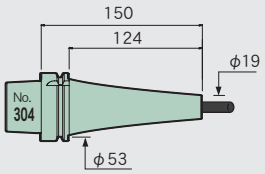
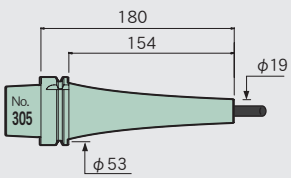
A63-SLFA10-150 CV



1.4

A63-SLFA10-180 CV



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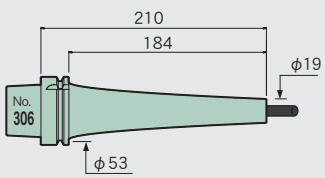
A63-SLFA10-210 CV

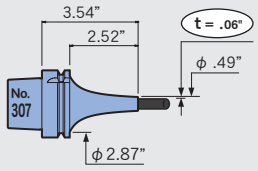


3.1

A63 S=1:7

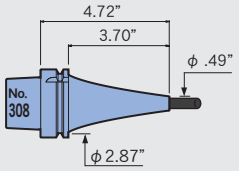
$\phi 3/8$

A63-SLSA3/8-90 CV



1.3

A63-SLSA3/8-120 CV



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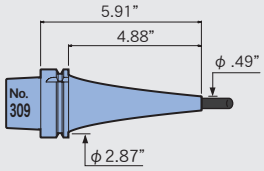
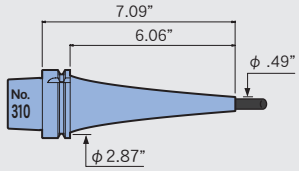
A63-SLSA3/8-150 CV



2.6

A63-SLSA3/8-180 CV



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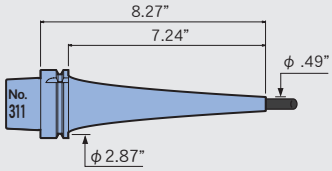
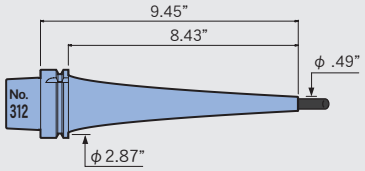
A63-SLSA3/8-210 CV



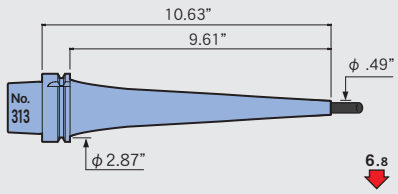
4.9

A63-SLSA3/8-240 CV



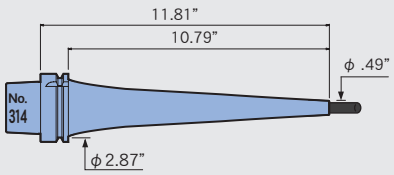
6.0

A63-SLSA3/8-270 CV



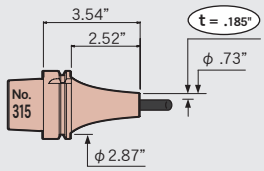
6.8

A63-SLSA3/8-300 CV



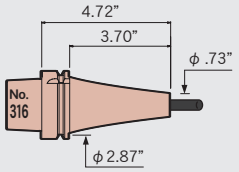
8.8

A63-SLRA3/8-90 CV



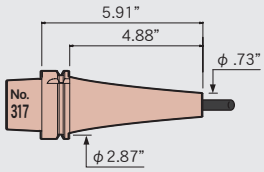
0.7

A63-SLRA3/8-120 CV



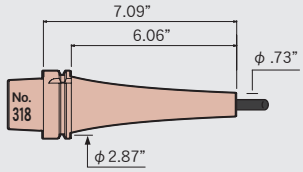
1.0

A63-SLRA3/8-150 CV



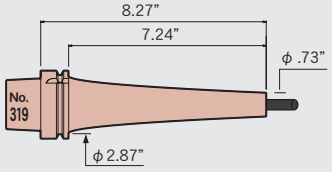
1.4

A63-SLRA3/8-180 CV



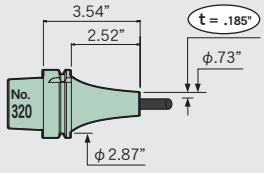
2.0

A63-SLRA3/8-210 CV



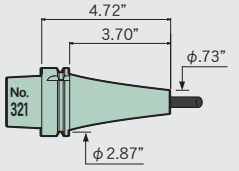
2.9

A63-SLFA3/8-90 CV



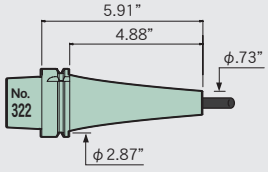
0.7

A63-SLFA3/8-120 CV



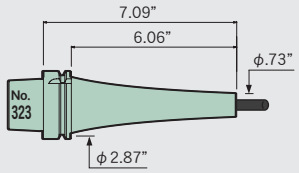
1.0

A63-SLFA3/8-150 CV



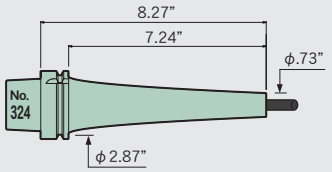
1.4

A63-SLFA3/8-180 CV



2.0

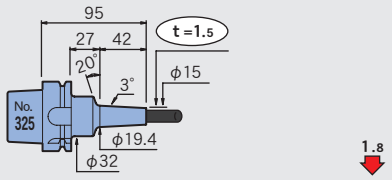
A63-SLFA3/8-210 CV



2.9

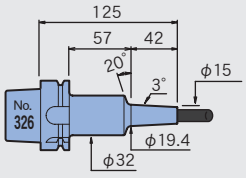
ϕ12

A63-SLSA12-95-M42



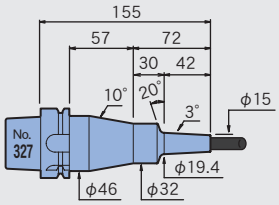
1.8

A63-SLSA12-125-M42



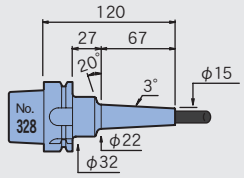
2.3

A63-SLSA12-155-M42



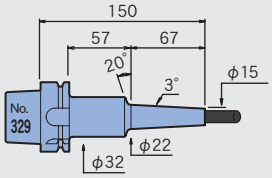
2.3

A63-SLSA12-120-M67



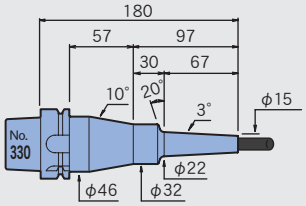
3.3

A63-SLSA12-150-M67



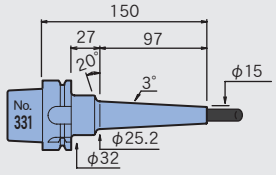
3.9

A63-SLSA12-180-M67



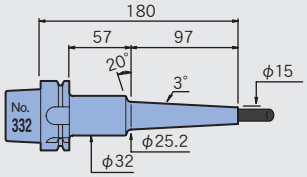
3.9

A63-SLSA12-150-M97



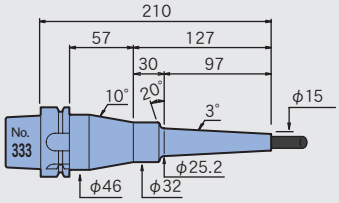
4.9

A63-SLSA12-180-M97



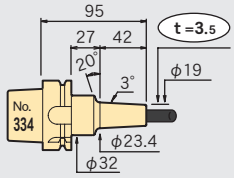
5.8

A63-SLSA12-210-M97



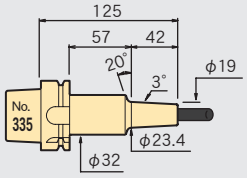
5.8

A63-SLSB12-95-M42



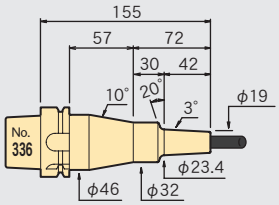
1.1

A63-SLSB12-125-M42



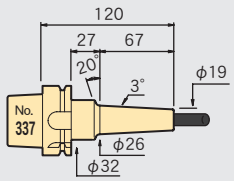
1.5

A63-SLSB12-155-M42



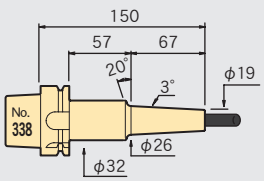
1.6

A63-SLSB12-120-M67



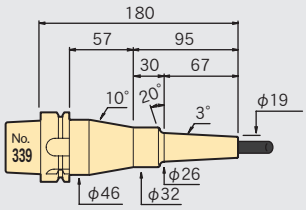
1.8

A63-SLSB12-150-M67



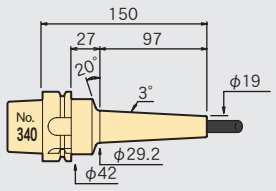
2.5

A63-SLSB12-180-M67



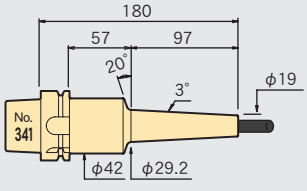
2.5

A63-SLSB12-150-M97



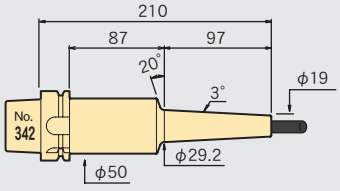
2.4

A63-SLSB12-180-M97



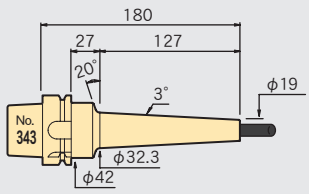
2.8

A63-SLSB12-210-M97



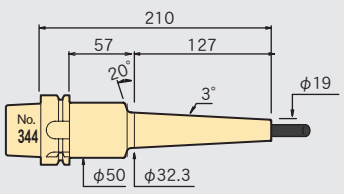
2.8

A63-SLSB12-180-M127



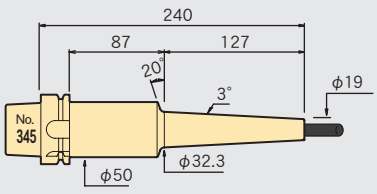
3.3

A63-SLSB12-210-M127



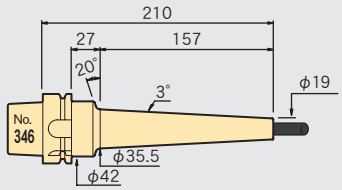
3.5

A63-SLSB12-240-M127



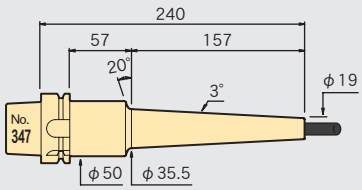
3.8

A63-SLSB12-210-M157



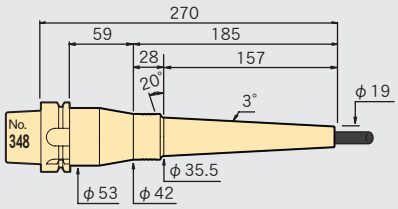
4.1

A63-SLSB12-240-M157



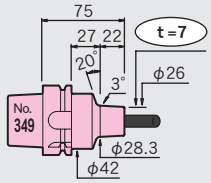
4.3

A63-SLSB12-270-M157



4.8

A63-SLRB12-75-M22



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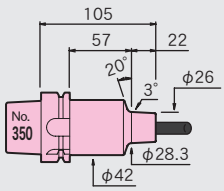
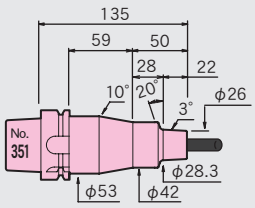
A63-SLRB12-105-M22



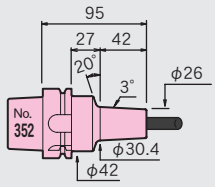
0.5

A63-SLRB12-135-M22



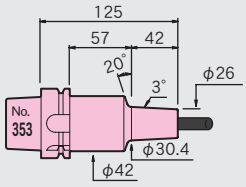
0.6

A63-SLRB12-95-M42



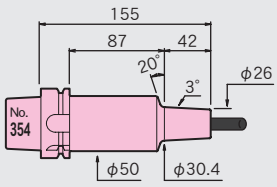
0.6

A63-SLRB12-125-M42



0.6

A63-SLRB12-155-M42



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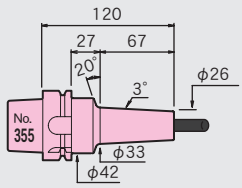
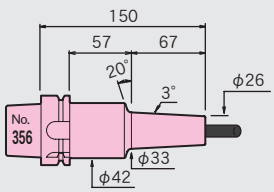
A63-SLRB12-120-M67



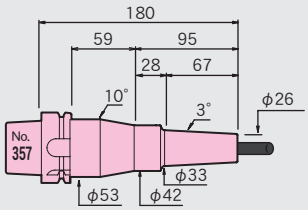
0.8

A63-SLRB12-150-M67



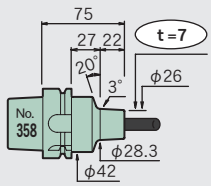
1.1

A63-SLRB12-180-M67



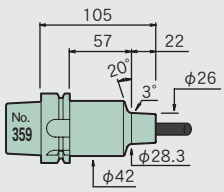
1.1

A63-SLFB12-75-M22



0.4

A63-SLFB12-105-M22



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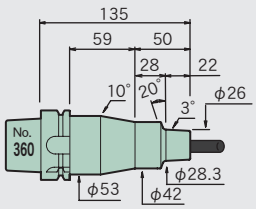
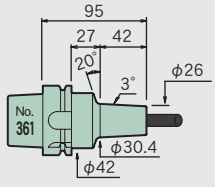
A63-SLFB12-135-M22



0.6

A63-SLFB12-95-M42



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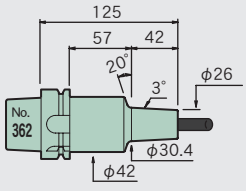
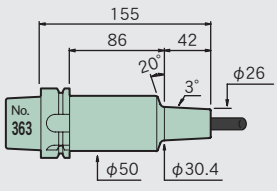
A63-SLFB12-125-M42



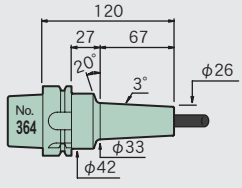
0.7

A63-SLFB12-155-M42



0.8

A63-SLFB12-120-M67



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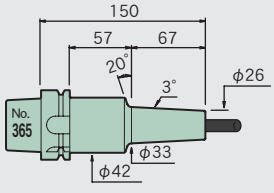
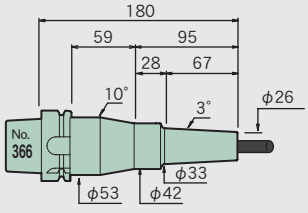
A63-SLFB12-150-M67



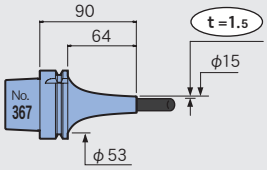
1.1

A63-SLFB12-180-M67



1.1

A63-SLSA12-90 CV



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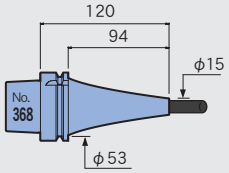
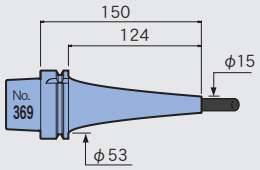
A63-SLSA12-120 CV



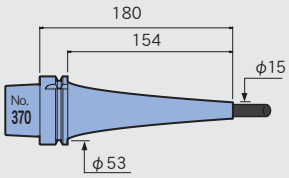
1.2

A63-SLSA12-150 CV



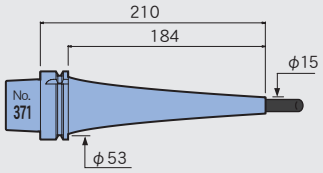
2.4

A63-SLSA12-180 CV



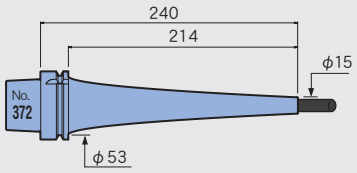
3.3

A63-SLSA12-210 CV



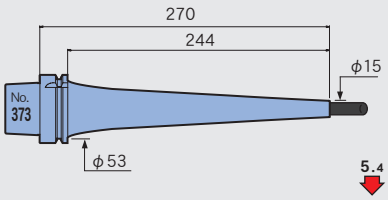
4.6

A63-SLSA12-240 CV



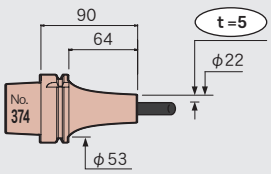
5.5

A63-SLSA12-270 CV



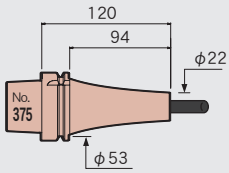
5.4

A63-SLRA12-90 CV



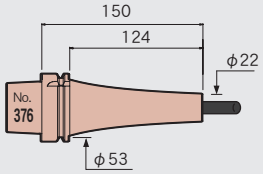
0.6

A63-SLRA12-120 CV



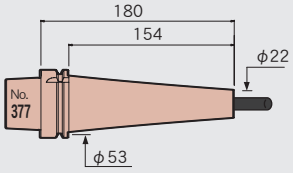
0.7

A63-SLRA12-150 CV



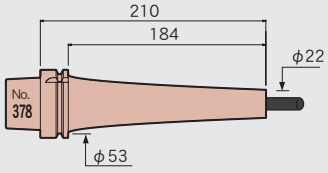
1.1

A63-SLRA12-180 CV



1.8

A63-SLRA12-210 CV



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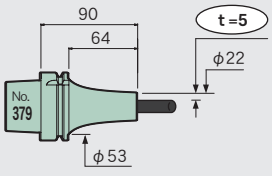
A63-SLFA12-90 CV



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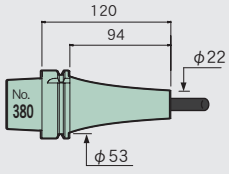
A63-SLFA12-120 CV



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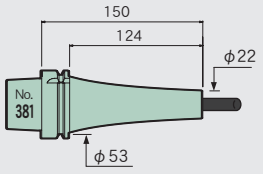
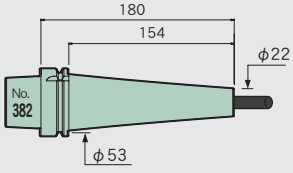
A63-SLFA12-150 CV



1.1

A63-SLFA12-180 CV



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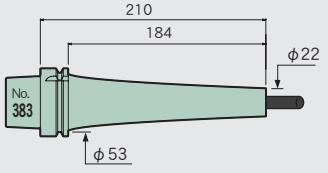
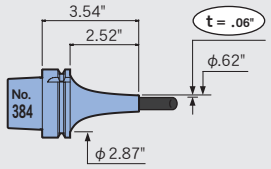


2.8

A63 S=1:7

ϕ1/2

A63-SLSA1/2-90 CV



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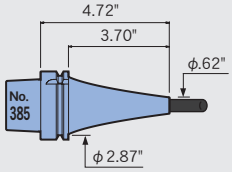
A63-SLSA1/2-120 CV



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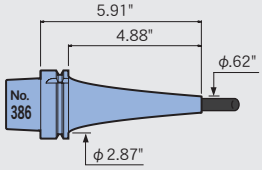
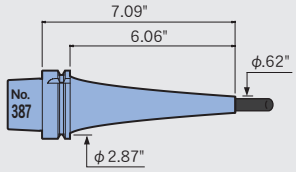
A63-SLSA1/2-150 CV



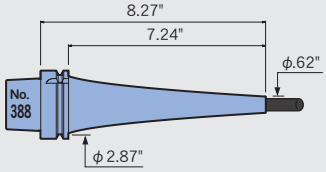
2.4

A63-SLSA1/2-180 CV



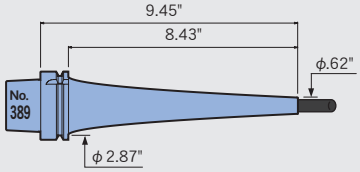
3.4

A63-SLSA1/2-210 CV



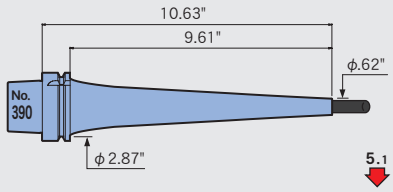
3.6

A63-SLSA1/2-240 CV



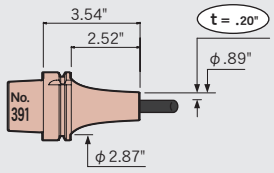
4.3

A63-SLSA1/2-270 CV



5.1

A63-SLRA1/2-90 CV



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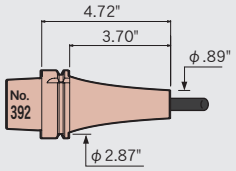
A63-SLRA1/2-120 CV



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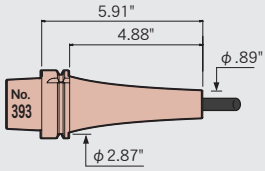
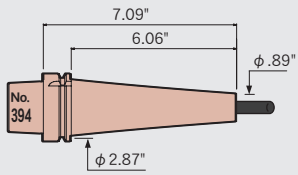
A63-SLRA1/2-150 CV



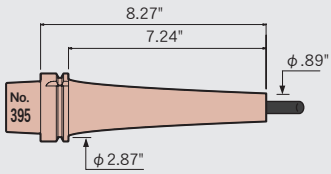
1.1

A63-SLRA1/2-180 CV



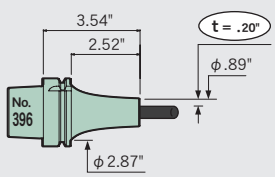
1.9

A63-SLRA1/2-210 CV



2.0

A63-SLFA1/2-90 CV



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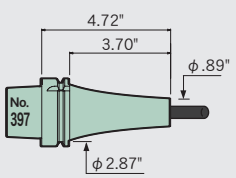
A63-SLFA1/2-120 CV



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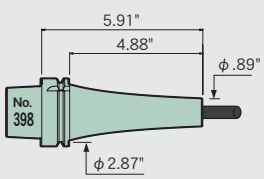
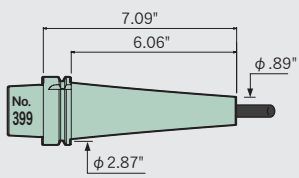
A63-SLFA1/2-150 CV



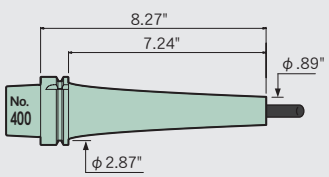
1.1

A63-SLFA1/2-180 CV



1.9

A63-SLFA1/2-210 CV



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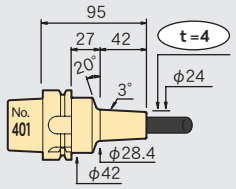
ϕ16

A63-SLSB16-95-M42



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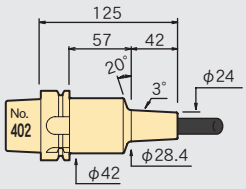
A63-SLSB16-125-M42



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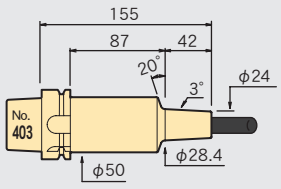
A63-SLSB16-155-M42



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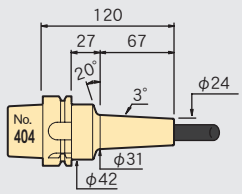
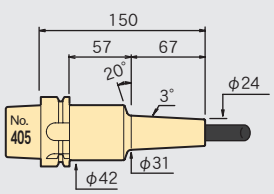
A63-SLSB16-120-M67



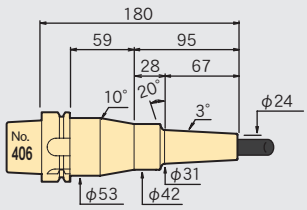
1.1

A63-SLSB16-150-M67



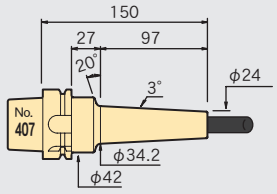
1.4

A63-SLSB16-180-M67



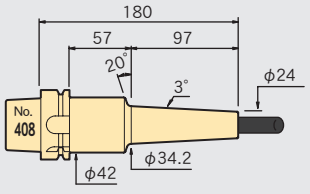
1.5

A63-SLSB16-150-M97



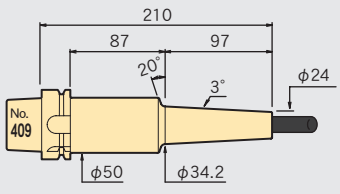
1.7

A63-SLSB16-180-M97



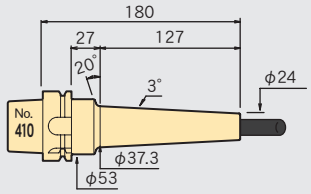
2.1

A63-SLSB16-210-M97



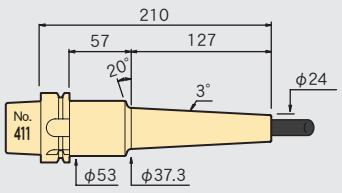
2.1

A63-SLSB16-180-M127



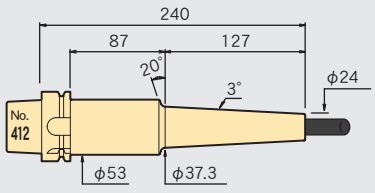
2.1

A63-SLSB16-210-M127



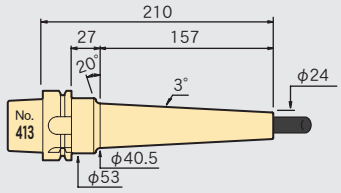
2.3

A63-SLSB16-240-M127



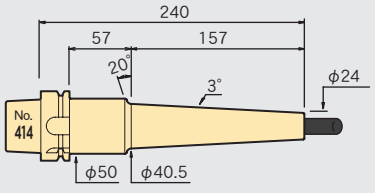
2.6

A63-SLSB16-210-M157



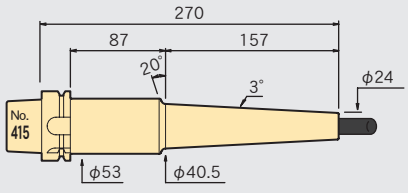
2.7

A63-SLSB16-240-M157



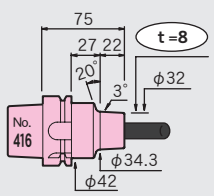
3.1

A63-SLSB16-270-M157



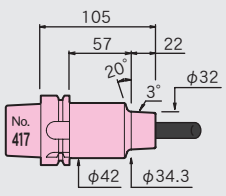
3.2

A63-SLRB16-75-M22



0.3

A63-SLRB16-105-M22



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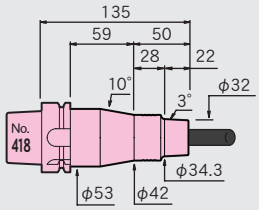
A63-SLRB16-135-M22



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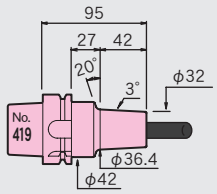
A63-SLRB16-95-M42



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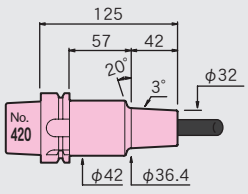
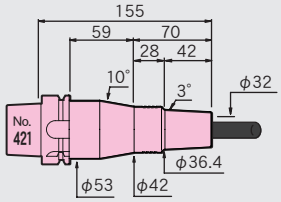
A63-SLRB16-125-M42



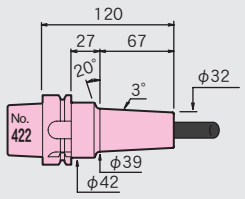
0.7

A63-SLRB16-155-M42



0.7

A63-SLRB16-120-M67



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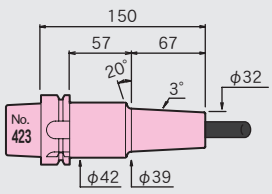
A63-SLRB16-150-M67



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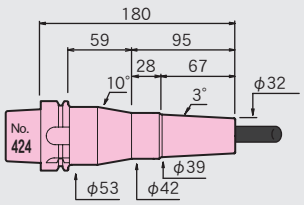
A63-SLRB16-180-M67



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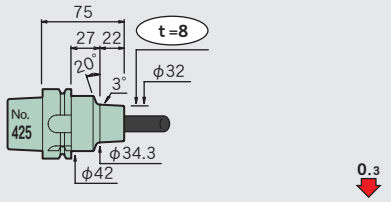
A63-SLFB16-75-M22



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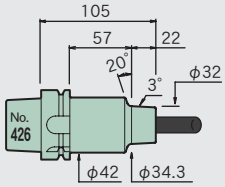
A63-SLFB16-105-M22



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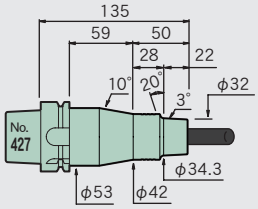
A63-SLFB16-135-M22



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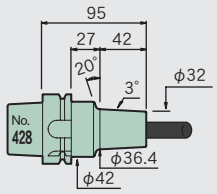
A63-SLFB16-95-M42



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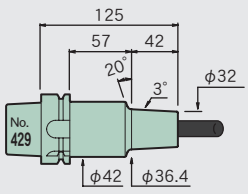
A63-SLFB16-125-M42



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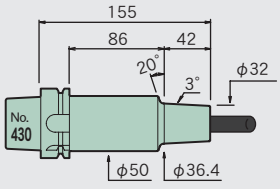
A63-SLFB16-155-M42



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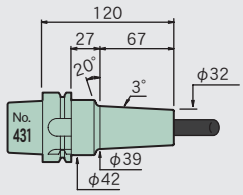
A63-SLFB16-120-M67



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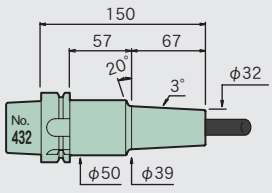
A63-SLFB16-150-M67



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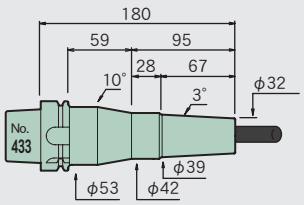
A63-SLFB16-180-M67



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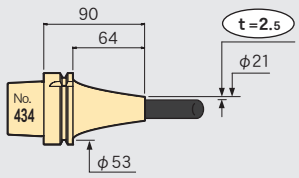
A63-SLSB16-90 CV



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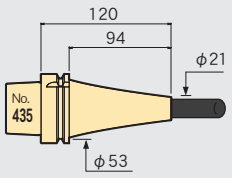
A63-SLSB16-120 CV



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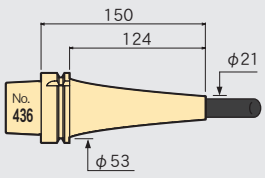
A63-SLSB16-150 CV



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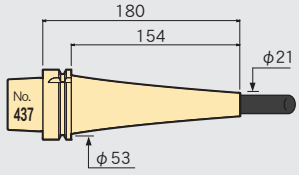
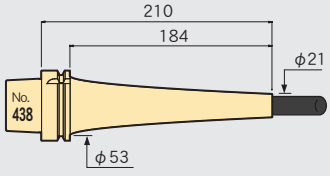
A63-SLSB16-180 CV



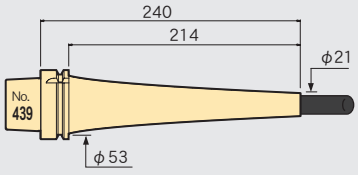
1.9

A63-SLSB16-210 CV



3.0

A63-SLSB16-240 CV



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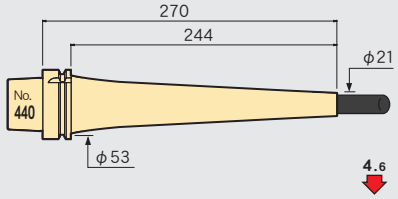
A63-SLSB16-270 CV



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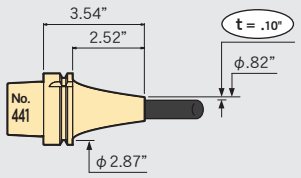
ϕ5/8

A63-SLSB5/8-90 CV



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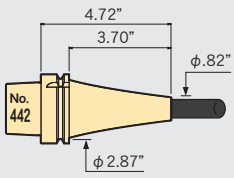

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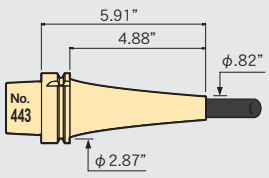
A63-SLSB5/8-150 CV



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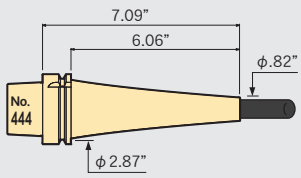
A63-SLSB5/8-180 CV



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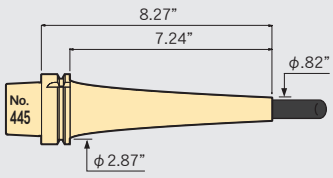
A63-SLSB5/8-210 CV



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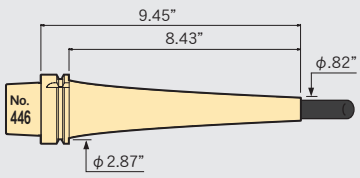
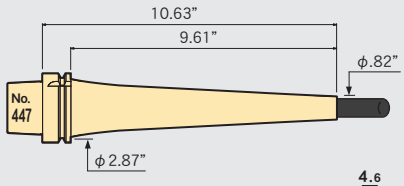
A63-SLSB5/8-240 CV



3.7

A63-SLSB5/8-270 CV

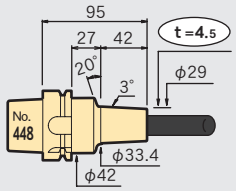


4.6

A63 S=1:7

ϕ20

A63-SLSB20-95-M42



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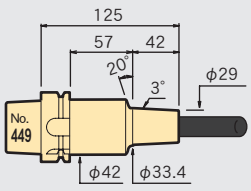

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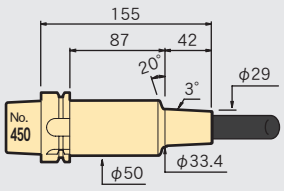
A63-SLSB20-155-M42



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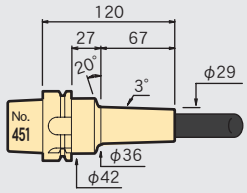

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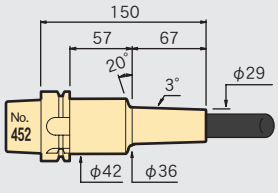
A63-SLSB20-150-M67



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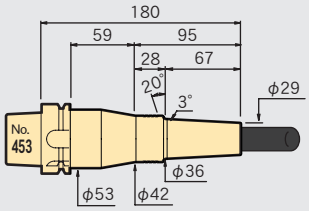
A63-SLSB20-180-M67



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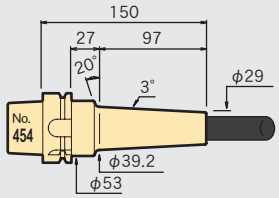
A63-SLSB20-150-M97



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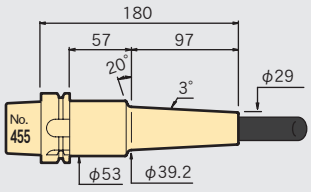
A63-SLSB20-180-M97



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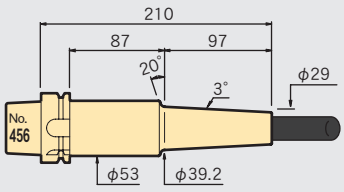
A63-SLSB20-210-M97



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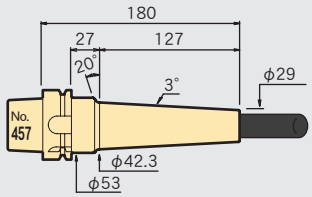
A63-SLSB20-180-M127



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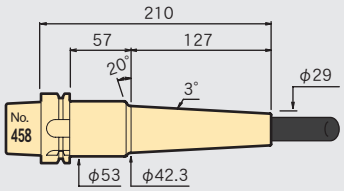
A63-SLSB20-210-M127



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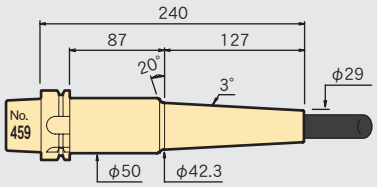
A63-SLSB20-240-M127



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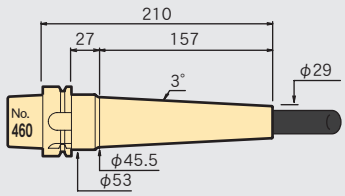
A63-SLSB20-210-M157



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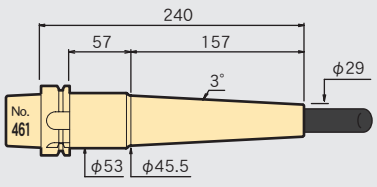
A63-SLSB20-240-M157



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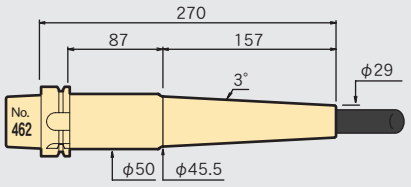
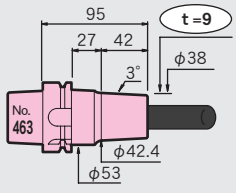
A63-SLSB20-270-M157



2.8

A63-SLRB20-95-M42



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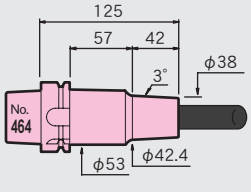
A63-SLRB20-125-M42



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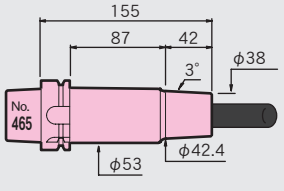
A63-SLRB20-155-M42



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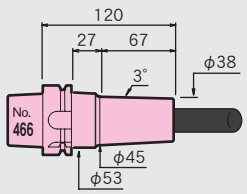
A63-SLRB20-120-M67



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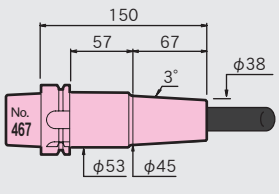
A63-SLRB20-150-M67



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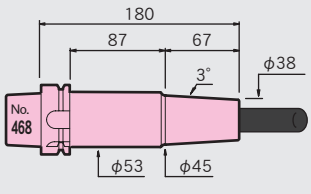
A63-SLRB20-180-M67



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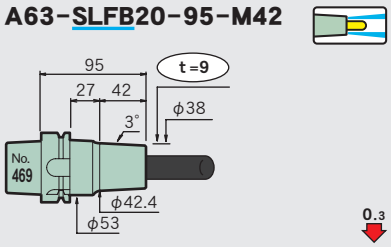
A63-SLFB20-95-M42



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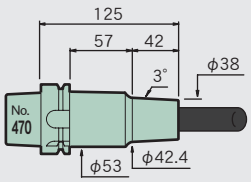
A63-SLFB20-125-M42



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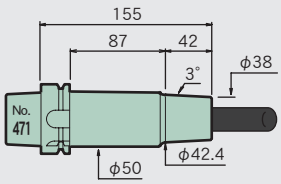

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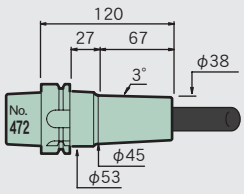

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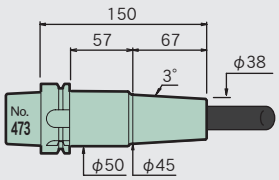
A63-SLFB20-150-M67



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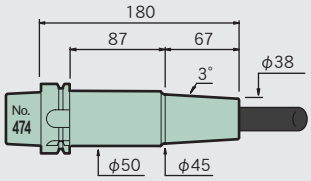
A63-SLFB20-180-M67



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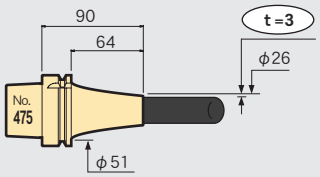
A63-SLSB20-90 CV



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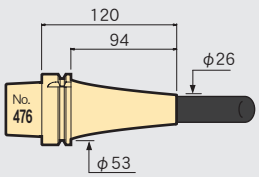
A63-SLSB20-120 CV



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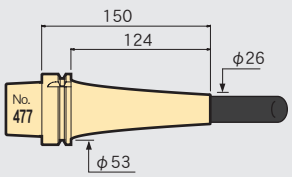

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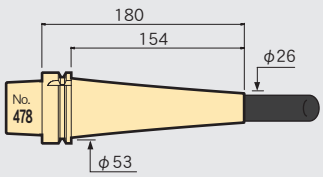
A63-SLSB20-180 CV



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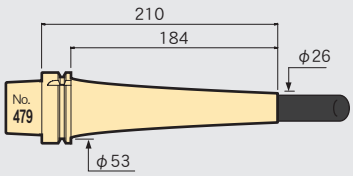
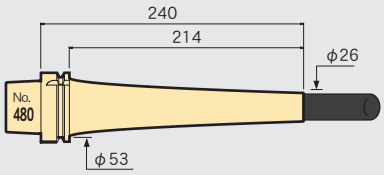
A63-SLSB20-210 CV



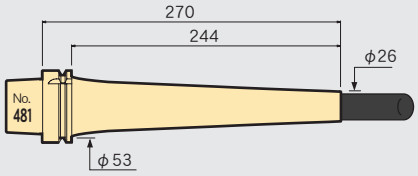
2.3

A63-SLSB20-240 CV



3.0

A63-SLSB20-270 CV

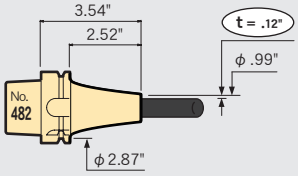


3.4

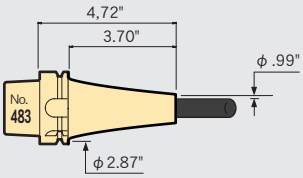
A63 S=1:7

ϕ3/4

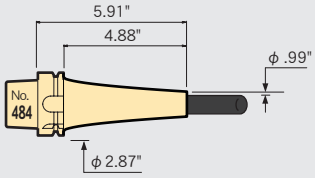
A63-SLSB3/4-90 CV



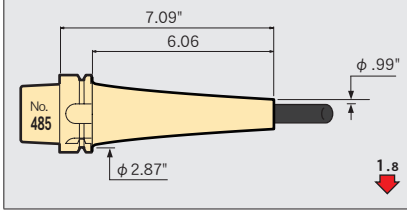
A63-SLSB3/4-120 CV



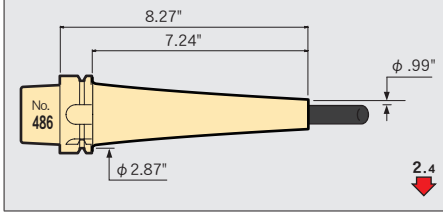
A63-SLSB3/4-150 CV



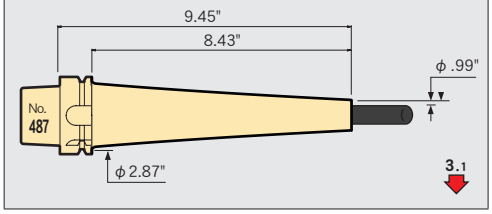
A63-SLSB3/4-180 CV



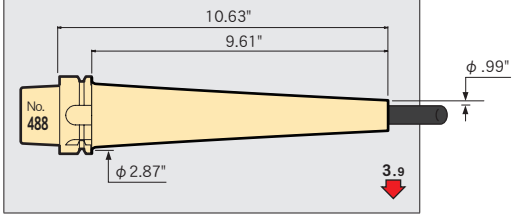
A63-SLSB3/4-210 CV



A63-SLSB3/4-240 CV

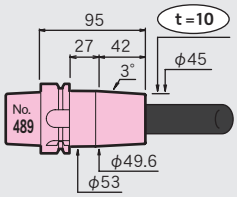


A63-SLSB3/4-270 CV

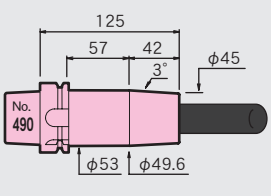


ϕ25

A63-SLRB25-95-M42



A63-SLRB25-125-M42



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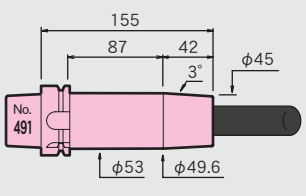

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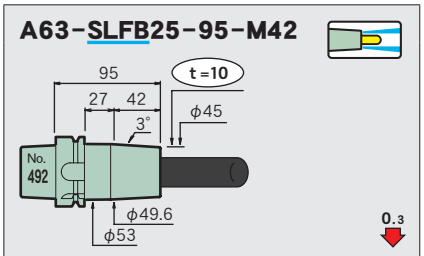

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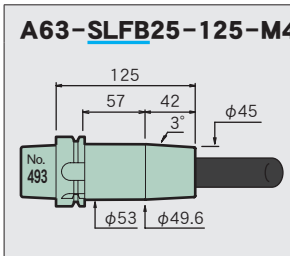
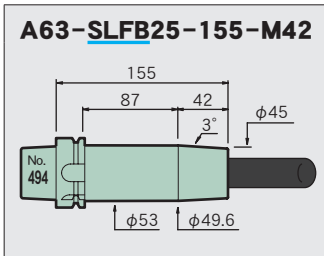
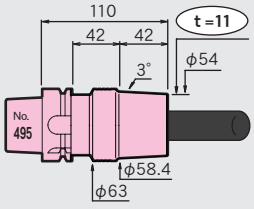


A63-SLFB25-155-M42



ϕ32

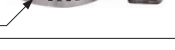
A63-SLRB32-110-M42

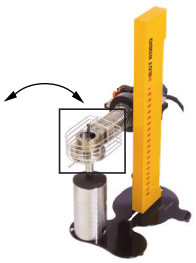


ϕ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70



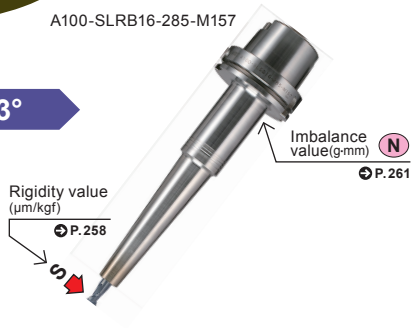


HEAT ROBO Baby3000S

A100

A100-SLRB16-285-M157

MONO 3°



A100−SLSB16−165 cv

MONO CURVE

Fig. 1

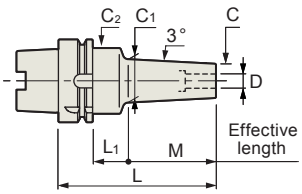
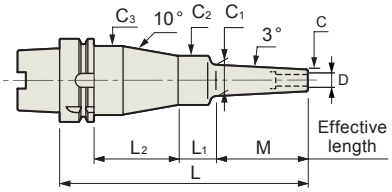


Fig. 2

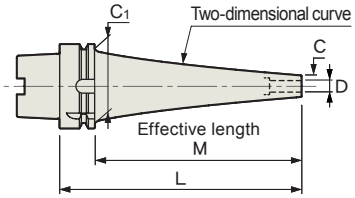


Compatibility table for HRD-01S

[○] Available [×] Not available

[▲] Usable by raising the heating unit.→P.257

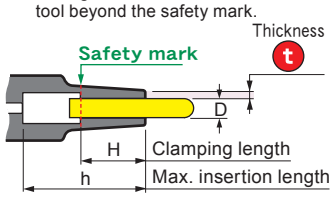
Fig. 3



■**Std.Access.**
- Coolant duct (fixed type) →p.246

■**Note**
- Swing type coolant ducts are available upon request. For details, please contuct us.

■**Caution**
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



CV : Curve　　Thickness

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
A100-SLSA3-110-M 42	1	3	6	1.5	110	42	39	—	10.4	26	—	9	80	2.2	19.8	9.4	○	1
-135-M 67					135	67			13				105	2.3	20.9	15.1		4
-140-M 42					140	42	69		10.4				110		19.9	10.1		2
-165-M 67					165	67			13	25			136	2.2	21	16		5
-M 97						97	39		16.2	26			135	2.3	22.2	21		7
-170-M 42	2				170	42	33	66	10.4		40		140	2.6	20.2	10		3
-195-M 67					195	67			13				165		21.3	15.9		6
-M 97	1					97	69	—	16.2	25	—		166	2.3	22.3	22.5		8
-225-M 97	2				225		33	66		26	40		195	2.7	22.6	22.2		9
-SLRA3- 90-M 22	1	3	7.5	2.25	90	22	39	—	9.8	26	—	9	60	2.2	20.2	2.9	○	10
-110-M 42					110	42			11.9				80		20.6	5.5		13
-120-M 22					120	22	69		9.8	25			91		20.3	3.3		11
-135-M 67					135	67	39		14.5	26			105	2.3	21.4	9		16
-140-M 42					140	42	69		11.9				110		20.7	6.1		14
-150-M 22	2				150	22	33	66	9.8		40		120	2.6	20.6	3.2		12
-165-M 67	1				165	67	69	—	14.5	25	—		136	2.3	21.5	10.1		17
-M 97						97	39		17.7	26			135		22.4	13.1		19
-170-M 42	2				170	42	33	66	11.9		40		140	2.6	21	6		15
-195-M 67					195	67			14.5				165		21.8	9.9		18
-M 97	1					97	69	—	17.7		—			2.4	22.5	14.7		20
-M127						127	39		20.8	36					24.5	15.8		22
-225-M 97	2				225	97	33	66	17.7	26	40		195	2.7	22.8	14.4		21
-M127	1					127	69	—	20.8	36	—			2.6	24.6	16.4		23
-255-M127	2				255		28	71			50		225	3.2	24.9	16.3		24

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg lbs	N	S		Scale model
A100-SLFB3- 90-M 22	1	3	9.5	3.25	90	22	39	—	11.8	26	—	9	60	2.2	19.8	1.9	○	25
-110-M 42					110	42			13.9				80	2.3	20.3	3.3		28
-120-M 22					120	22	69		11.8				90		19.9	2.3		26
-135-M 67					135	67	39		16.5				105		21.4	5.5		31
-140-M 42					140	42	69		13.9	25			111	2.2	20.4	4.1		29
-150-M 22	2				150	22	33	66	11.8	26	40		120	2.6	20.2	2.3		27
-165-M 67	1				165	67	69	—	16.5		—		135	2.4	21.5	6.5		32
-170-M 42	2				170	42	33	66	13.9		40		140	2.6	20.7	3.9		30
-195-M 67					195	67			16.5				165		21.8	6.3		33
A100-SLSA4-110-M 42	1	4	7	1.5	110	42	39	—	11.4	25	—	12	81	2.1	21	7.2	○	34
-135-M 67					135	67			14				106	2.2		11.8		37
-140-M 42					140	42	69		11.4				111		21.1	8		35
-165-M 67					165	67			14				136	2.3		13.1		38
-M 97						97	39		17.2	26			135		22.4	16.9		40
-170-M 42	2				170	42	33	66	11.4		40		140	2.6	21.4	8		36
-195-M 67					195	67			14	25	39		166			12.9		39
-M 97	1					97	69	—	17.2		—			2.3	22.5	18.7		41
-225-M 97	2				225		33	66			39		196	2.6	22.8	18.3		42
-SLRA4- 90-M 22	1	4	10	3	90	22	39	—	12.3	25	—	12	61	2.1	20.3	1.8	○	43
-110-M 42					110	42			14.4	26			80	2.3	21	3.2		46
-120-M 22					120	22	69		12.3	25			91	2.2	20.4	2.3		44
-135-M 67					135	67	39		17				106		22	5.3		49
-140-M 42					140	42	69		14.4				111		21.1	4		47
-150-M 22	2				150	22	33	66	12.3	26	40		120	2.6	20.7	2.2		45
-165-M 67	1				165	67	69	—	17		—		135	2.4	22.1	6.3		50
-M 97						97	39		20.2	25			136	2.2	23.5	7.9		52
-170-M 42	2				170	42	33	66	14.4		39		141	2.6	21.4	3.8		48
-195-M 67					195	67			17				166		22.5	6.3		51
-M 97	1					97	69	—	20.2	26	—		165	2.4	23.5	9.5		53
-M127						127	39		23.3	32			166		26.7	9.6		55
-225-M 97	2				225	97	33	66	20.2	26	40		195	2.7	23.9	9.2		54
-M127	1					127	69	—	23.3	32	—		196	2.6	26.8	10.7		56
-255-M127	2				255		30	69			46		226	3	27.2	10.4		57
-SLFB4- 90-M 22	1	4	12	4	90	22	39	—	14.3	25	—	12	61	2.1	20.1	1.4	○	58
-110-M 42					110	42			16.4	26			80	2.3	20.8	2.3		61
-120-M 22					120	22	69		14.3	25			91	2.2	20.2	1.9		59
-135-M 67					135	67	39		19	26			105	2.3	22	3.7		64
-140-M 42					140	42	69		16.4	25			111		20.8	3.1		62
-150-M 22	2				150	22	33	66	14.3		39		121	2.6	20.5	1.8		60
-165-M 67	1				165	67	69	—	19	26	—		135	2.4	22.1	4.7		65
-170-M 42	2				170	42	33	66	16.4	25	39		141	2.6	21.2	2.9		63
-195-M 67					195	67			19				166		22.4	4.7		66
-SLSA4-165 CV	3	4	7	1.5	165	136	—	—	85	—	—	12	133	3.4	29	2.5	○	67
-195 CV					195	166							163	3.7	30.6	3.3		68
-225 CV					225	196							196	4.3	33	3.8		69
-255 CV					255	226							226	4.4	34.1	5.6		70
-285 CV					285	256							256	4.6	35.5	7.6		71
-315 CV					315	286							286	4.9	37.1	9.8		72
-345 CV					345	316							316	5.2	38.8	12.4		73
A100-SLSA3/16-165 CV	3	.19	.31	.06	6.50	5.35	—	—	3.35	—	—	.59	5.35	7.0	25.2	2.4	○	74
-195 CV					7.68	6.54							6.54	7.6	26.9	3.3		75
-225 CV					8.86	7.72							7.72	8.7	29.1	4		76
-255 CV					10.04	8.90							8.90	9.0	30	6		77
-285 CV					11.22	10.08							10.08	9.4	32.2	8.2	▲	78
-315 CV					12.40	11.26							11.26	10.1	33.6	10.4		79
-345 CV					13.58	12.44							12.44	10.7	35.2	13.1		80

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg lbs	N	S		Scale model
A100-SLSA6-110-M 42	1	6	9	1.5	110	42	39	—	13.4	25	—	18	81	2.1	21.3	4.9	▲	81
-135-M 67					135	67			16				106	2.2	22.8	8.2		84
-140-M 42					140	42	69		13.4				111		21.4	5.8		82
-165-M 67					165	67			16				136	2.3	22.9	9.5		85
-M 97						97	39		19.2	32			135		25.3	11.1		87
-170-M 42	2				170	42	33	66	13.4	25	39		141	2.6	21.7	5.6		83
-195-M 67					195	67			16				166		23.2	9.1		86
-M 97	1					97	69	—	19.2	32	—			2.4	25.4	11.9		88
-225-M 97	2				225		30	69			46		196	2.9	25.7	11.7		89
-SLSB6-110-M 42	1	6	10	2	110	42	39	—	14.4	25	—	18	81	2.1	22.2	3.8	○	90
-135-M 67					135	67			17				106	2.2	24.3	6.3		93
-140-M 42					140	42	69		14.4				111	2.2	22.3	4.7		91
-165-M 67					165	67			17				136	2.3	24.4	7.7		94
-M 97						97	39		20.2	32					27.3	8.6		96
-170-M 42	2				170	42	33	66	14.4	26	40		140	2.6	22.6	4.6		92
-195-M 67					195	67			17	25	39		166		24.7	7.4		95
-M 97	1					97	69	—	20.2	36	—		165		27.4	9.5		97
-M127						127	39		23.3	32			166	2.4	29.8	11.3		99
-225-M 97	2				225	97	28	71	20.2	36	50		195	3.2	27.8	9.3		98
-M127	1					127	69	—	23.3	32	—		196	2.5	29.9	12.4		100
-M157						157	39		26.5						32.3	13.6		102
-255-M127	2				255	127	30	69	23.3		46		226	3	30.3	12.1	▲	101
-M157	1					157	69	—	26.5		—			2.6	32.4	15.1		103
-285-M157	2				285		30	69			46		256	3.1	32.8	14.6		104
-SLRB6- 90-M 22	1	6	14	4	90	22	39	—	16.3	32	—	18	61	2.2	21.1	1	○	105
-110-M 42					110	42			18.4				81	2.3	22.8	1.6		108
-120-M 22					120	22	69		16.3				91	2.4	21.3	1.2		106
-135-M 67					135	67	39		21				106	2.3	24.9	2.7		111
-140-M 42					140	42	69		18.4				111	2.4	22.9	2		109
-150-M 22	2				150	22	30	69	16.3		46		121	2.8	21.6	1.2		107
-165-M 67	1				165	67	69	—	21		—		136	2.5	25	3.2		112
-170-M 42	2				170	42	30	69	18.4		46		141	2.9	23.3	1.9		110
-195-M 67					195	67			21				168	3.2	25.3	2.9		113
-SLFB6- 90-M 22	1	6	14	4	90	22	39	—	16.3	32	—	18	61	2.2	21.1	1	○	114
-110-M 42					110	42			18.4				81	2.3	22.8	1.6		117
-120-M 22					120	22	69		16.3				91	2.4	21.3	1.2		115
-135-M 67					135	67	39		21	36			105		24.9	2.6		120
-140-M 42					140	42	69		18.4	32			111		22.9	2		118
-150-M 22	2				150	22	30	69	16.3		46		121	2.8	21.6	1.2		116
-165-M 67	1				165	67	69	—	21		—		136	2.5	25	3.2		121
-170-M 42	2				170	42	30	69	18.4		46		141	2.9	23.3	1.9		119
-195-M 67					195	67			21				166		25.3	3.1		122
-SLSA6-165 CV	3	6	9	1.5	165	136	—	—	85	—	—	18	136	3.3	28.8	2.1	○	123
-195 CV					195	166							166	4	32	2.3		124
-225 CV					225	196							196	4.1	32.4	3.6		125
-255 CV					255	226							226	4.8	35.9	3.9		126
-285 CV					285	256							256	5	37.4	5.2	▲	127
-315 CV					315	286							286	5.3	38.9	6.8		128
-345 CV					345	316							316	5.6	40.3	8.7		129
A100-SLSA1/4-165 CV	3	1/4	.37	.06	6.50	5.35	—	—	3.35	—	—	.71	5.35	8.0	27.1	1.5	○	130
-195 CV					7.68	6.54							6.54	8.2	27.8	2.5		131
-225 CV					8.86	7.72							7.72	8.4	28.5	3.9		132
-255 CV					10.04	8.90							8.90	9.8	32.7	4.2		133
-285 CV					11.22	10.08							10.08	10.4	34.3	5.6	▲	134
-315 CV					12.40	11.26							11.26	11.0	36.1	7.4		135
-345 CV					13.58	12.44							12.44	11.6	37.5	9.5		136

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg	N	S		Scale model
A100-SLSA8-110-M 42	1	8	11	1.5	110	42	39	—	15.4	36	—	24	80	2.3	23.2	3.2	○	137
-135-M 67					135	67			18	32			106		25.8	5.5		140
-140-M 42					140	42	69		15.4	36			110	2.5	23.4	3.5		138
-165-M 67					165	67			18				135		26	5.8		141
-M 97						97	39		21.2	32			136	2.3	29	8.1		143
-170-M 42	2				170	42	28	71	15.4	36	50		140	3.1	23.7	3.4		139
-195-M 67					195	67	30	69	18	32	46		166	2.9	26.3	5.9		142
-M 97	1					97	69	—	21.2		—			2.5	29.1	8.9		144
-225-M 97	2				225		28	71		36	50		195	3.2	29.5	8.3		145
-SLSB8-110-M 42	1	8	13	2.5	110	42	39	—	17.4	32	—	24	81	2.2	24.3	2.1	○	146
-135-M 67					135	67			20				106	2.3	27.5	3.6		149
-140-M 42					140	42	69		17.4				111	2.4	24.5	2.6		147
-165-M 67					165	67			20				136		27.7	4.2		150
-M 97						97	39		23.2						31.4	5.4		152
-170-M 42	2				170	42	28	71	17.4	36	50		140	3.1	24.8	2.4		148
-195-M 67					195	67	30	69	20	32	46		166	2.9	28	4		151
-M 97	1					97	69	—	23.2		—			2.5	31.5	6.3		153
-M127						127	39		26.3					2.4	35.3	7.3		155
-225-M 97	2				225	97	30	69	23.2		46		196	3	31.9	6		154
-M127	1					127	69	—	26.3		—			2.6	35.4	8.5		156
-M157						157	39		29.5	42					39.1	8.1		158
-255-M127	2				255	127	30	69	26.3	32	46		226	3.1	35.7	8.2	▲	157
-M157	1					157	69	—	29.5	42	—			2.9	39.3	8.7		159
-285-M157	2				285		28	71			56		256	3.6	39.6	8.6		160
-SLRB8- 90-M 22	1	8	18	5	90	22	39	—	20.3	32	—	24	61	2.2	21.8	0.7	×	161
-110-M 42					110	42			22.4				81	2.3	24.4	1.1	○	164
-120-M 22					120	22	69		20.3				91	2.4	22	1	×	162
-135-M 67					135	67	39		25				106		27.6	1.8	○	167
-140-M 42					140	42	69		22.4				111		24.5	1.6		165
-150-M 22	2				150	22	30	69	20.3		46		121	2.9	22.3	1	×	163
-165-M 67	1				165	67	69	—	25		—		136	2.5	27.8	2.4	○	168
-170-M 42	2				170	42	28	71	22.4	36	50		140	3.1	24.9	1.3		166
-195-M 67					195	67	30	69	25	32	46		166	3	28.1	2.2		169
-SLFB8- 90-M 22	1	8	18	5	90	22	39	—	20.3	36	—	24	60	2.3	21.8	0.7	×	170
-110-M 42					110	42			22.4				80		24.4	1.1	○	173
-120-M 22					120	22	69		20.3	32			91	2.4	22	1	×	171
-135-M 67					135	67	39		25	36			105		27.6	1.7	○	176
-140-M 42					140	42	69		22.4				110	2.6	24.5	1.3		174
-150-M 22	2				150	22	30	69	20.3	32	46		121	2.9	22.3	1	×	172
-165-M 67	1				165	67	69	—	25		—		136	2.5	27.8	2.4	○	177
-170-M 42	2				170	42	28	71	22.4	36	50		140	3.1	24.9	1.3		175
-195-M 67					195	67	30	69	25	32	46		166	3	28.1	2.2		178
-SLSA8-165 CV	3	8	11	1.5	165	136	—	—	85	—	—	24	136	3.7	30.7	1.4	○	179
-195 CV					195	166							166		31	2.3		180
-225 CV					225	196							196	4.6	35.3			181
-255 CV					255	226							226		35.9	3.6	▲	182
-285 CV					285	256							256	4.9	37.4	4.8		183
-315 CV					315	286							286	5.7	41.9	5		184
-345 CV					345	316							311	6.1	45.1	6		185
-SLRA8-195 CV	3	8	16	4	195	166	—	—	85	—	—	24	166	3.7	28.5	1.4	○	186
-225 CV					225	196							196	4.4	32.3	1.6		187
-255 CV					255	226							226	4.6	33.6	2.2	▲	188
-285 CV					285	256							256	4.8	34.8	3		189
-SLFA8-195 CV	3	8	16	4	195	166	—	—	85	—	—	24	166	3.7	28.5	1.4	○	190
-225 CV					225	196							196	4.4	32.3	1.6		191
-255 CV					255	226							226	4.6	33.6	2.2	▲	192
-285 CV					285	256							256	4.8	34.8	3		193

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S		Scale model
A100-SLSA5/16-165 CV	3	5/16	.43	.06	6.50	5.35	—	—	3.35	—	—	.94	5.35	7.8	26.6	1.5	○	194
-195 CV					7.68	6.54							6.54	7.9	27.2	2.4		195
-225 CV					8.86	7.72							7.72	9.6	31.2	2.5		196
A100 -255 CV					10.04	8.90							8.90		32.4	3.9	▲	197
-285 CV					11.22	10.08							10.08	10.2	34.2	5.3		198
-315 CV					12.40	11.26							11.26	11.9	38.4	5.4		199
-345 CV					13.58	12.44							12.44	12.3	43.5	6.6		200
-SLRA5/16-195 CV	3	5/16	.63	.16	7.68	6.54	—	—	3.35	—	—	.94	6.54	8.3	28	1.4	○	201
-225 CV					8.86	7.72							7.72	9.7	32.2	1.6		202
-255 CV					10.04	8.90							8.90	10.1	33.5	2.3	▲	203
-285 CV					11.22	10.08							10.08	10.6	35.1	3.1		204
-SLFA5/16-195 CV	3	5/16	.63	.16	7.68	6.54	—	—	3.35	—	—	.94	6.54	8.3	28	1.4	○	205
-225 CV					8.86	7.72							7.72	9.7	32.2	1.6		206
-255 CV					10.04	8.90							8.90	10.1	33.5	2.3	▲	207
-285 CV					11.22	10.08							10.08	10.6	35.1	3.1		208
A100-SLSA10-110-M 42	1	10	13	1.5	110	42	39	—	17.4	25	—	30	81	2.2	24.6	2.7	○	209
-135-M 67					135	67			20	32			106	2.3	28.5	4.1		212
-140-M 42					140	42	69		17.4	25			111	2.2	24.8	3.8		210
-165-M 67					165	67			20	36			135	2.5	28.6	4.4		213
-M 97						97	39		23.2	32			136	2.3	33.2	6.2		215
-170-M 42	2				170	42	28	71	17.4	36	50		140	3.1	25.1	2.5		211
-195-M 67					195	67			20				165		29	4.4		214
-M 97	1					97	69	—	23.2		—			2.6	33.3	6.6		216
-225-M 97	2				225		30	69		32	46		196	3	33.7	6.9	▲	217
-SLSB10-110-M 42	1	10	16	3	110	42	39	—	20.4	32	—	30	81	2.3	25.8	1.2	○	218
-135-M 67					135	67			23				106		30.4	2.5		221
-140-M 42					140	42	69		20.4				111	2.4	25.9	2		219
-165-M 67					165	67			23				136	2.5	30.5	3.2		222
-M 97						97	39		26.2					2.4	35.9	3.8		224
-170-M 42	2				170	42	30	69	20.4		46		141	2.9	26.3	1.9		220
-195-M 67					195	67			23				166		30.9	3		223
-M 97	1					97	69	—	26.2		—			2.6	36.1	4.8		225
-M127						127	39		29.3	42					42.1	4.6		227
-225-M 97	2				225	97	30	69	26.2	32	46		196	3	36.4	4.5	▲	226
-M127	1					127	69	—	29.3	42	—			2.9	42.5	5		228
-M157						157	39		32.5					2.8	47.7	5.7		230
-255-M127					255	127	99		29.3	50			225	3.5	42.8	5		229
-M157						157	69		32.5	42			226	3	48.1	6.2		231
-285-M157					285		99			50			255	3.6	48.4	6.1		232
-SLRB10- 90-M 22	1	10	22	6	90	22	39	—	24.3	32	—	30	61	2.3	22.2	0.6	×	233
-110-M 42					110	42			26.4				81		25.9	0.9	○	236
-120-M 22					120	22	69		24.3				91	2.4	22.3		×	234
-135-M 67					135	67	39		29	42			106	2.5	30.5	1.1	○	239
-140-M 42					140	42	69		26.4	32			111		26	1.4		237
-150-M 22	2				150	22	28	71	24.3	36	50		120	3.1	22.7	0.7	×	235
-165-M 67	1				165	67	69	—	29		—		135	2.7	30.6	1.6	○	240
-170-M 42	2				170	42	28	71	26.4		50		140	3.2	26.3	1		238
-195-M 67					195	67			29	42	56		166	3.5	31	1.3		241
-SLFB10- 90-M 22	1	10	22	6	90	22	39	—	24.3	32	—	30	61	2.3	22.2	0.6	×	242
-110-M 42					110	42			26.4				81		25.9	0.9	○	245
-120-M 22					120	22	69		24.3	32			91	2.4	22.3	0.9	×	243
-135-M 67					135	67	39		29	36			105	2.5	30.5	1.2	○	248
-140-M 42					140	42	69		26.4				110	2.6	26	1.1		246
-150-M 22	2				150	22	30	69	24.3	32	46		121	2.9	22.7	0.9	×	244
-165-M 67	1				165	67	69	—	29	36	—		135	2.7	30.6	1.6	○	249
-170-M 42	2				170	42	30	69	26.4	32	46		141	2.9	26.3	1.3		247
-195-M 67					195	67	28	71	29	42	56		166	3.5	31	1.3		250

CODE	Fig.	ϕD	ϕC	t	L	M	L1	L2	ϕC1	ϕC2	ϕC3	H	h	Kg lbs	N	S		Scale model
A100-SLSA10-165 CV	3	10	13	1.5	165	136	—	—	85	—	—	30	136	3.5	29.4	1.4	○	251
-195 CV					195	166							166	4.3	33.6	1.5		252
-225 CV					225	196							196	4.2	33.4	2.4		253
-255 CV					255	226							226	4.5	34.3	3.5	▲	254
-285 CV					285	256							251	5.1	38.3	3.6		255
-315 CV					315	286							286		39.9	4.8		256
-345 CV					345	316							311	5.9	42.7	5.5		257
-SLRA10-165 CV	3	10	19	4.5	165	136	—	—	85	—	—	30	136	3.5	27.6	1	○	258
-195 CV					195	166							166	4	30.1	1.1		259
-225 CV					225	196							196	4.1	31.1	1.6		260
-255 CV					255	226							226	4.9	35.3	1.7	▲	261
-285 CV					285	256							256	5	36.2	2.4		262
-SLFA10-165 CV	3	10	19	4.5	165	136	—	—	85	—	—	30	136	3.5	27.6	1	○	263
-195 CV					195	166							166	4	30.1	1.1		264
-225 CV					225	196							196	4.1	31.1	1.6		265
-255 CV					255	226							226	4.9	35.3	1.7	▲	266
-285 CV					285	256							256	5	36.2	2.4		267
A100-SLSA3/8-165 CV	3	3/8	.49	.06	6.50	5.35	—	—	3.35	—	—	1.18	5.35	7.5	26	1.4	○	268
-195 CV					7.68	6.54							6.54	9.2	30	1.5		269
-225 CV					8.86	7.72							7.72		30.4	2.5		270
-255 CV					10.04	8.90							8.90	9.4	32.2	3.8	▲	271
-285 CV					11.22	10.08							10.08	10.5	38.4	4		272
-315 CV					12.40	11.26							11.26	11.6	38.2	5.2		273
-345 CV					13.58	12.44							12.44	12.2	44	6.2		274
-SLRA3/8-165 CV	3	3/8	.73	.18	6.50	5.35	—	—	3.35	—	—	1.18	5.35	8.5	28.9	0.8	○	275
-195 CV					7.68	6.54							6.54	8.8	30.1	1.1		276
-225 CV					8.86	7.72							7.72	9.2	31.3	1.6		277
-255 CV					10.04	8.90							8.90	10.9	35.5	1.7	▲	278
-285 CV					11.22	10.08							10.08	11.3	36.6	2.4		279
-SLFA3/8-165 CV	3	3/8	.73	.18	6.50	5.35	—	—	3.35	—	—	1.18	5.35	8.5	28.9	0.8	○	280
-195 CV					7.68	6.54							6.54	8.8	30.1	1.1		281
-225 CV					8.86	7.72							7.72	9.2	31.3	1.6		282
-255 CV					10.04	8.90							8.90	10.9	35.5	1.7	▲	283
-285 CV					11.22	10.08							10.08	11.3	36.6	2.4		284
A100-SLSA12-110-M 42	1	12	15	1.5	110	42	39	—	19.4	32	—	30	79	2.2	27	1.9	○	285
-135-M 67					135	67			22				104	2.3	32.5	3.4		288
-140-M 42					140	42	69		19.4				109	2.4	27.2	2.4		286
-165-M 67					165	67			22				134		32.6	4.1		289
-M 97						97	39		25.2					2.3	39.4	5.1		291
-170-M 42	2				170	42	28	71	19.4	36	50		135	3.1	27.5	2.1		287
-195-M 67					195	67	30	69	22	32	46		164	2.9	32.9	3.9		290
-M 97	1					97	69	—	25.2	36	—		160	2.7	39.6	5.5		292
-225-M 97	2				225		30	69		32	46		194	3	39.9	5.8	▲	293
-SLSB12-110-M 42	1	12	19	3.5	110	42	39	—	23.4	32	—	30	79	2.3	28.4	1.2	○	294
-135-M 67					135	67			26				104		34.7	2		297
-140-M 42					140	42	69		23.4				109	2.4	28.5	1.7		295
-165-M 67					165	67			26				134	2.5	34.8	2.7		298
-M 97						97	39		29.2	42			133	2.6	42.9	2.5		300
-170-M 42	2				170	42	28	71	23.4	36	50		135	3.1	28.9	1.4		296
-195-M 67					195	67	30	69	26	32	46		164	3	35.2	2.5		299
-M 97	1					97	69	—	29.2	50	—		160	3.1	43.2	2.6		301
-M127						127	39		32.3	42			163	2.7	50.4	3.3		303
-225-M 97					225	97	99		29.2	50			190	3.4	43.6	2.8	▲	302
-M127						127	69		32.3	42			192	3	50.8	3.8		304
-M157						157	39		35.5				193	2.9	58	4.2		306
-255-M127	2				255	127	28	71	32.3		56		222	3.6	51.1	3.7		305
-M157	1					157	69	—	35.5		—			3.1	58.3	4.8		307
-285-M157	2				285		28	71		42	56		252	3.7	58.7	4.7		308

CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S		Scale model
A100-SLRB12- 90-M 22	1	12	26	7	90	22	39	—	28.3	42	—	30	58	2.4	26.5	0.4	×	309
-110-M 42					110	42			30.4				78	2.5	29.2	0.6		312
-120-M 22					120	22	69		28.3				87	2.6	26.8	0.5		310
-135-M 67					135	67	39		33				103		35.5	0.9		315
-140-M 42					140	42	69		30.4				107	2.7	29.6	0.8		313
-150-M 22					150	22	99		28.3	50			117	3.3	27.2	0.5		311
-165-M 67					165	67	69		33	42			132	2.9	35.8	1.1		316
-170-M 42					170	42	99		30.4	50			135	3.3	29.9	0.8		314
-195-M 67	2				195	67	28	71	33	42	56		162	3.5	36.2	1.1		317
-SLFB12- 90-M 22	1	12	26	7	90	22	39	—	28.3	42	—	30	58	2.4	26.5	0.4	×	318
-110-M 42					110	42			30.4				78	2.5	29.2	0.6		321
-120-M 22					120	22	69		28.3				87	2.6	26.8	0.5		319
-135-M 67					135	67	39		33	50			100	2.7	35.5	0.8		324
-140-M 42					140	42	69		30.4				105	3	29.6	0.6		322
-150-M 22	2				150	22	28	71	28.3	42	56		117	3.3	27.2	0.5		320
-165-M 67	1				165	67	69	—	33		—		132	2.9	35.8	1.1		325
-170-M 42					170	42	99		30.4	50			135	3.3	29.9	0.8		323
-195-M 67	2				195	67	28	71	33	42	56		162	3.5	36.2	1.1		326
-SLSA12-165 CV	3	12	15	1.5	165	136	—	—	85	—	—	30	133	4.2	34.1	1.2	○	327
-195 CV					195	166							163	4.1	33.6			328
-225 CV					225	196							175	4.8	38.3	1.8		329
-255 CV					255	226							190		37.8	2.6	▲	330
-285 CV					285	256							251	5.5	42.5	3.5		331
-315 CV					315	286							281	5.9	44.6	4.3		332
-345 CV					345	316							311	6.2	46.7	5.3		333
-SLRA12-165 CV	3	12	22	5	165	136	—	—	85	—	—	30	133	3.6	27.9	0.8	×	334
-195 CV					195	166							163	4.4	32.2			335
-225 CV					225	196							159		32.7	1.3	○	336
-255 CV					255	226							221	4.6	36.1	1.6	▲	337
-285 CV					285	256							251	5	38.5	2.1		338
-SLFA12-165 CV	3	12	22	5	165	136	—	—	85	—	—	30	133	3.6	27.9	0.8	×	339
-195 CV					195	166							163	4.4	32.2			340
-225 CV					225	196							159		32.7	1.3	○	341
-255 CV					255	226							221	4.6	36.1	1.6	▲	342
-285 CV					285	256							251	5	38.5	2.1		343
A100-SLSA1/2-165 CV	3	1/2	.62	.06	6.50	5.35	—	—	3.35	—	—	1.18	5.28	7.5	26.8	1.2	○	344
-195 CV					7.68	6.54							6.46	9.2	31.2	1.3		345
-225 CV					8.86	7.72							6.89	9.6	32.7	1.9		346
-255 CV					10.04	8.90							7.48	10.1	34.2	2.8	▲	347
-285 CV					11.22	10.08							9.92	10.2	39.6	3.8		348
-315 CV					12.40	11.26							11.10	11.0	42.4	4.7		349
-345 CV					13.58	12.44							12.28	11.8	45.9	5.9		350
-SLRA1/2-165 CV	3	1/2	.89	.20	6.50	5.35	—	—	3.35	—	—	1.18	5.20	8.8	31.7	0.6	×	351
-195 CV					7.68	6.54							5.71	9.4	31.5	0.9		352
-225 CV					8.86	7.72								11.2	35.8	1.0	○	353
-255 CV					10.04	8.90							8.74	12.1	42.1	1.1	▲	354
-285 CV					11.22	10.08							9.92	10.8	41.0	2.2		355
-SLFA1/2-165 CV	3	1/2	.89	.20	6.50	5.35	—	—	3.35	—	—	1.18	5.20	8.8	31.7	0.6	×	356
-195 CV					7.68	6.54							5.71	9.4	31.5	0.9		357
-225 CV					8.86	7.72								11.2	35.8	1.0	○	358
-255 CV					10.04	8.90							8.74	12.1	42.1	1.1	▲	359
-285 CV					11.22	10.08							9.92	10.8	41.0	2.2		360

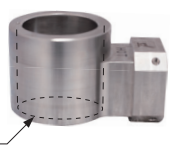
CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S	Scale model
A100-SLSB16-110-M 42	1	16	24	4	110	42	39	—	28.4	42	—	32	78	2.4	34.7	0.7	361
-135-M 67					135	67			31				103	2.5	45	1.2	364
-140-M 42					140	42	69		28.4				107	2.7	35	0.9	362
-165-M 67					165	67			31				132	2.8	45.4	1.4	365
-M 97						97	39		34.2				133	2.7	57.4	1.7	367
-170-M 42					170	42	99		28.4	50			135	3.2	35.4	0.9	363
-195-M 67					195	67			31				160	3.3	45.7	1.4	366
-M 97						97	69		34.2	42			162	2.9	57.8	2.1	368
-M127						127	39		37.3	50			160	3	69.8	2.2	370
-225-M 97					225	97	99		34.2				190	3.5	58.1	2.1	369
-M127						127	69		37.3	53				3.4	70.2	2.3	371
-M157						157	39		40.5				193	3.3	82.3	2.6	373
-255-M127	2				255	127	28	71	37.3		67		220	4.3	70.6	2.3	372
-M157	1					157	69	—	40.5		—			3.7	82.6	2.9	374
-285-M157	2				285		28	71			67		250	4.6	83		375
-SLRB16- 90-M 22	1	16	32	8	90	22	39	—	34.3	42	—	32	58	2.4	26.5	0.4	376
-110-M 42					110	42			36.4				78	2.5	34.8	0.5	379
-120-M 22					120	22	69		34.3				87	2.7	26.9		377
-135-M 67					135	67	39		39				103		45.2	0.7	382
-140-M 42					140	42	69		36.4				107	2.8	35.2		380
-150-M 22					150	22	99		34.3	50			115	3.2	27.2	0.5	378
-165-M 67					165	67	69		39	42			132	3	45.5	1	383
-170-M 42	2				170	42	28	71	36.4		56		137	3.5	35.5	0.7	381
-195-M 67					195	67			39				162	3.6	45.9	0.9	384
-SLFB16- 90-M 22	1	16	32	8	90	22	39	—	34.3	42	—	32	58	2.4	26.5	0.4	385
-110-M 42					110	42			36.4				78	2.5	34.8	0.5	388
-120-M 22					120	22	69		34.3				87	2.7	26.9		386
-135-M 67					135	67	39		39				103		45.2	0.7	388
-140-M 42					140	42	69		36.4				107	2.8	35.2		391
-150-M 22	2				150	22	28	71	34.3		56		117	3.4	27.2	0.5	387
-165-M 67	1				165	67	69	—	39		—		132	3	45.5	1	392
-170-M 42					170	42	99		36.4	50			135	3.4	35.5	0.7	390
-195-M 67	2				195	67	28	71	39	42	56		162	3.6	45.9	0.9	393
-SLSB16-165 CV	3	16	21	2.5	165	136	—	—	85	—	—	32	131	4.2	34.2	0.6	394
-195 CV					195	166							161	4	33.7	1.1	395
-225 CV					225	196							191	4.8	38.4	1.2	396
-255 CV					255	226							221	4.7	38	2	397
-285 CV					285	256							251	5.5	42.6		398
-315 CV					315	286							281	5.9	44.8	2.6	399
-345 CV					345	316							311	6.2	46.9	3.3	400
A100-SLSB5/8-165 CV	3	5/8	.82	.10	6.50	5.35	—	—	3.35	—	—	1.26	5.20	8.8	31.9	0.6	401
-195 CV					7.68	6.54							6.38	8.6	32.6	1.2	402
-225 CV					8.86	7.72							7.56	10.4	37.6		403
-255 CV					10.04	8.90							8.74	10.1	38.3	2.0	404
-285 CV					11.22	10.08							9.92	11.9	43.4	2.2	405
-315 CV					12.40	11.26							11.10	12.7	46.3	2.8	406
-345 CV					13.58	12.44							12.28	13.5	49.1	3.5	407
A100-SLSB20-110-M 42	1	20	29	4.5	110	42	39	—	33.4	42	—	40	78	2.5	37.4	0.6	408
-135-M 67					135	67			36				103		52.8	0.9	411
-140-M 42					140	42	69		33.4				107	2.7	37.8	0.8	409
-165-M 67					165	67			36				132	2.8	53.2	1.2	412
-M 97						97	39		39.2	53			133	2.9	71.3	1.1	414

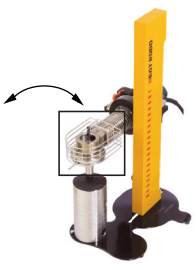
CODE	Fig.	φD	φC	t	L	M	L1	L2	φC1	φC2	φC3	H	h	Kg lbs	N	S	Scale model
A100-SLSB20-170-M 42	2	20	29	4.5	170	42	28	71	33.4	42	56	40	137	3.4	38.1	0.8	410
-195-M 67					195	67			36				162	3.5	53.5	1.2	413
-M 97	1					97	69	—	39.2	53	—			3.3	71.7	1.3	415
-195-M127						127	39		42.3				163	3.2	91	1.5	417
-225-M 97	2				225	97	28	71	39.2		67		190	4.3	72	1.3	416
A100 -M127	1					127	69	—	42.3	50	—			3.5	91.4	1.9	418
-M157						157	39		45.5	53			193		109.6		420
-255-M127					255	127	99		42.3	50			220	3.8	91.8	2.3	419
-M157						157	69		45.5	53				3.9	109.9	2.2	421
-285-M157	2				285		28	71			67		250	4.8	110.3		422
-SLRB20-110-M 42	1	20	38	9	110	42	39	—	42.4	53	—	40	78	2.8	37.5	0.3	423
-135-M 67					135	67			45				103	3.1	53	0.5	426
-140-M 42					140	42	69		42.4				105	3.2	37.9	0.4	424
-165-M 67					165	67			45				130	3.5	53.3	0.6	427
-170-M 42	2				170	42	28	71	42.4	53	67		135	4.1	38.2	0.4	425
-195-M 67					195	67			45				160	4.4	53.7	0.6	428
-SLFB20-110-M 42	1	20	38	9	110	42	39	—	42.4	53	—	40	78	2.8	37.5	0.3	429
-135-M 67					135	67			45				103	3.1	53	0.5	432
-140-M 42					140	42	69		42.4				105	3.2	37.9	0.4	430
-165-M 67					165	67			45				130	3.5	53.3	0.6	433
-170-M 42	2				170	42	28	71	42.4		67		135	4.1	38.2	0.4	431
-195-M 67	1				195	67	99	—	45	50	—		160	3.7	53.7	0.9	434
-SLSB20-165 CV	3	20	26	3	165	136	—	—	85	—	—	40	132	4	33.6	0.6	435
-195 CV					195	166							161	4.9	38.1	0.7	436
-225 CV					225	196							191	4.6	37.4	1.2	437
-255 CV					255	226							221	5.5	42.1	1.3	438
-285 CV					285	256							251	5.2	41.2	2.1	439
-315 CV					315	286							281	6.1	46	2.3	440
-345 CV					345	316							311	6.4	47.9	2.9	441
A100-SLSB3/4-165 CV	3	3/4	.99	.12	6.50	5.35	—	—	3.35	—	—	1.50	5.20	8.6	31.5	0.6	442
-195 CV					7.68	6.54							6.38	10.4	36.6	0.7	443
-225 CV					8.86	7.72							7.56	10.0	37.5	1.2	444
-255 CV					10.04	8.90							8.74	11.7	42.6	1.3	445
-285 CV					11.22	10.08							9.92	11.4	43.5	2.2	446
-315 CV					12.40	11.26							11.10	13.1	48.6	2.3	447
-345 CV					13.58	12.44							12.28	13.8	51.6	3.0	448
A100-SLRB25-110-M 42	1	25	45	10	110	42	39	—	49.6	53	—	45	78	2.9	40.7	0.3	449
-140-M 42					140		69						105	3.3	41	0.4	450
-170-M 42	2				170		28	71			67		135	4.2	41.4		451
-SLFB25-110-M 42	1	25	45	10	110	42	39	—	49.6	53	—	45	78	2.9	40.7	0.3	452
-140-M 42					140		69			50			105	3.2	41	0.5	453
-170-M 42	2				170		28	71		53	67		135	4.2	41.4	0.4	454
A100-SLRB32-110-M42	1	32	54	11	110	42	39	—	58.4	63	—	50	77	3.2	26.9	0.2	455
-140-M42					140		69						107	3.7	33.4	0.3	456
NEW -170-M42	2				170		28	71			77		132	4.9	42.8		457

φ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70

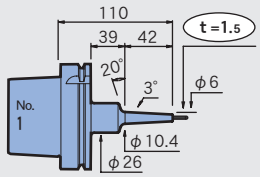




HEAT ROBO Baby3000S

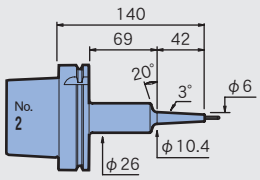
φ3

A100-SLSA3-110-M42



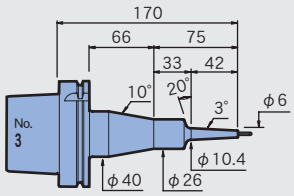
9.4

A100-SLSA3-140-M42



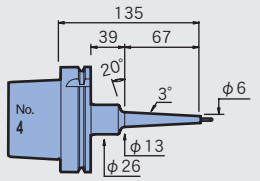
10.1

A100-SLSA3-170-M42



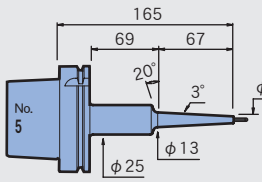
10.0

A100-SLSA3-135-M67



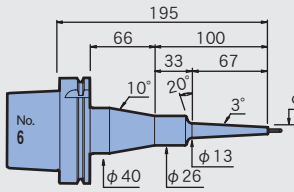
15.1

A100-SLSA3-165-M67



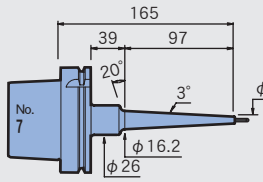
16.0

A100-SLSA3-195-M67



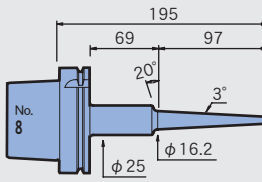
15.9

A100-SLSA3-165-M97



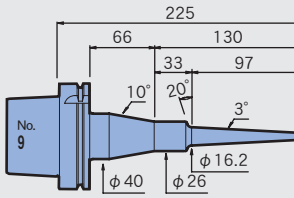
21.0

A100-SLSA3-195-M97



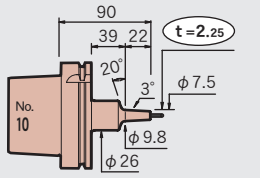
22.5

A100-SLSA3-225-M97



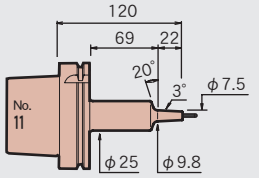
22.2

A100-SLRA3-90-M22



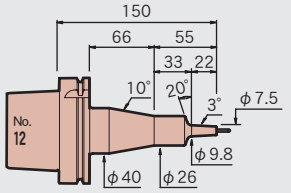
2.9

A100-SLRA3-120-M22



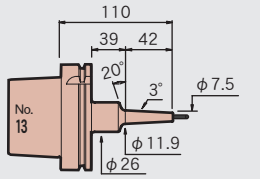
3.3

A100-SLRA3-150-M22



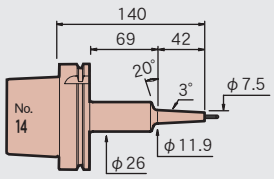
3.2

A100-SLRA3-110-M42



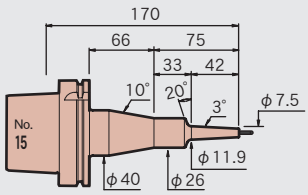
5.5

A100-SLRA3-140-M42



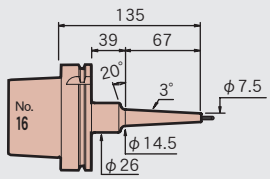
6.1

A100-SLRA3-170-M42



6.0

A100-SLRA3-135-M67



9.0

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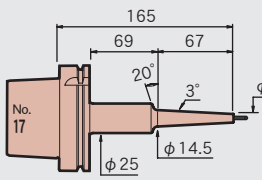
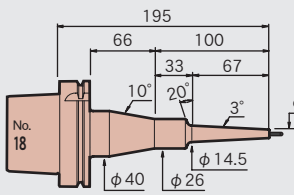


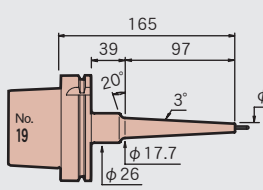
10.1

A100-SLRA3-195-M67



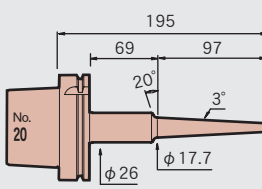
9.9

A100-SLRA3-165-M97



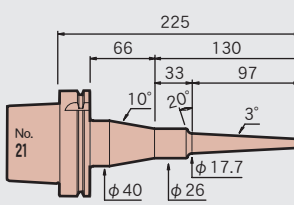
13.1

A100-SLRA3-195-M97



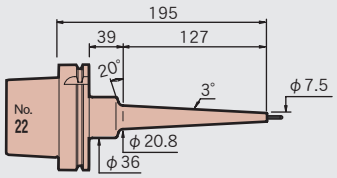
14.7

A100-SLRA3-225-M97



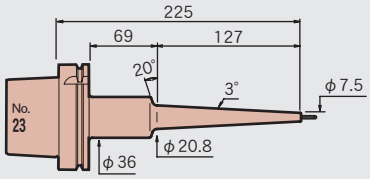
14.4

A100-SLRA3-195-M127



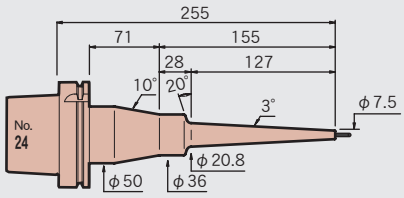
15.8

A100-SLRA3-225-M127



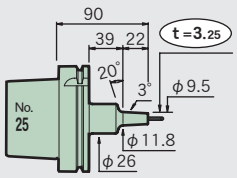
16.4

A100-SLRA3-255-M127



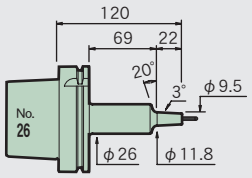
16.3

A100-SLFB3-90-M22



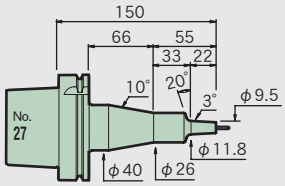
1.9

A100-SLFB3-120-M22



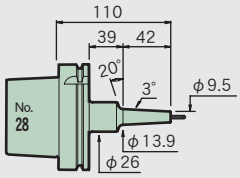
2.3

A100-SLFB3-150-M22



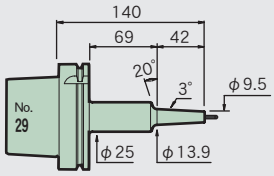
2.3

A100-SLFB3-110-M42



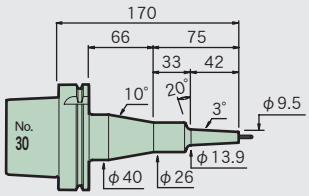
3.3

A100-SLFB3-140-M42



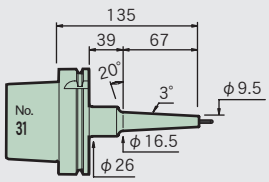
4.1

A100-SLFB3-170-M42



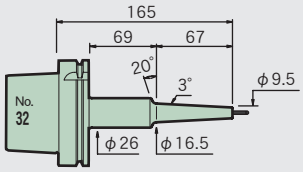
3.9

A100-SLFB3-135-M67



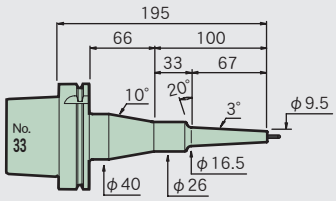
5.5

A100-SLFB3-165-M67



6.5

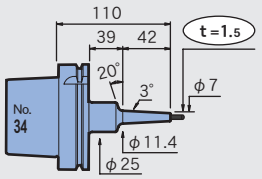
A100-SLFB3-195-M67



6.3

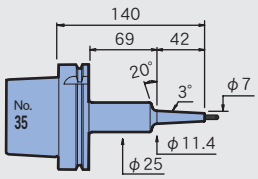
φ4

A100-SLSA4-110-M42



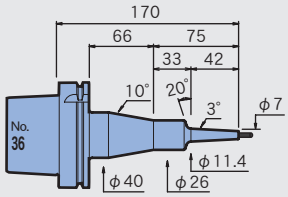
7.2

A100-SLSA4-140-M42



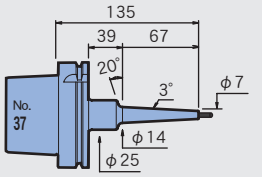
8.0

A100-SLSA4-170-M42



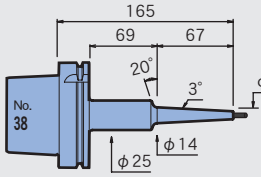
8.0

A100-SLSA4-135-M67



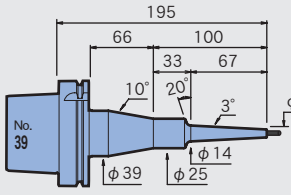
11.8

A100-SLSA4-165-M67



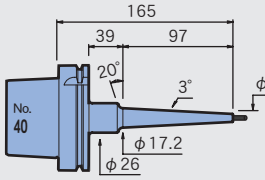
13.1

A100-SLSA4-195-M67



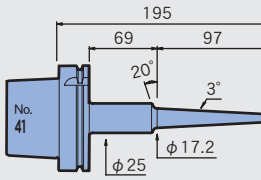
12.9

A100-SLSA4-165-M97



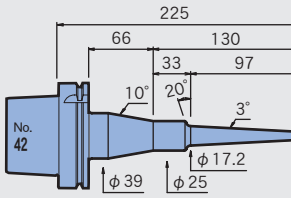
16.9

A100-SLSA4-195-M97



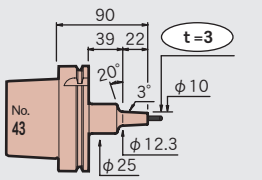
18.7

A100-SLSA4-225-M97



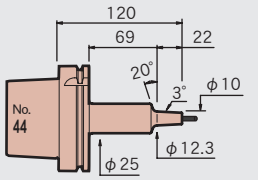
18.3

A100-SLRA4-90-M22



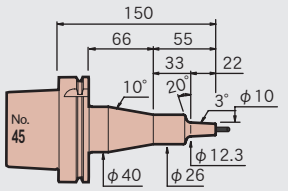
1.8

A100-SLRA4-120-M22



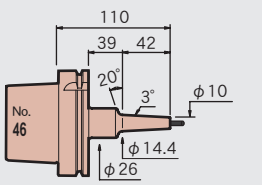
2.3

A100-SLRA4-150-M22



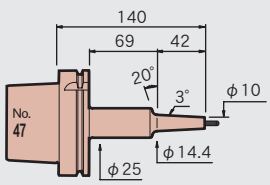
2.2

A100-SLRA4-110-M42



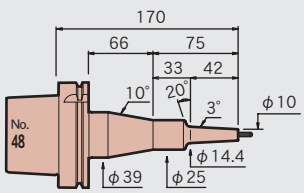
3.2

A100-SLRA4-140-M42



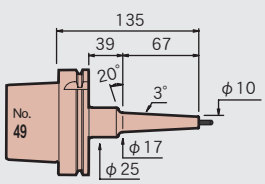
4.0

A100-SLRA4-170-M42



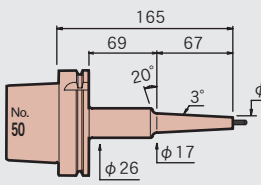
3.8

A100-SLRA4-135-M67



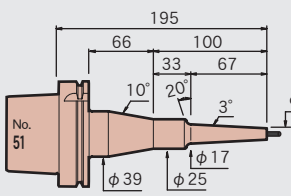
5.3

A100-SLRA4-165-M67



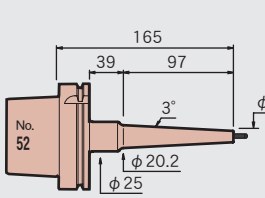
6.3

A100-SLRA4-195-M67



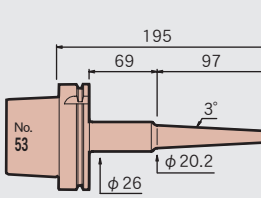
6.3

A100-SLRA4-165-M97



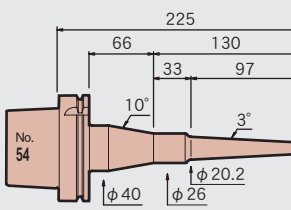
7.9

A100-SLRA4-195-M97



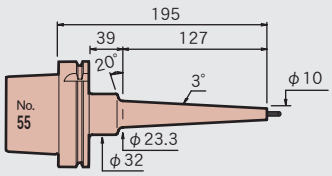
9.5

A100-SLRA4-225-M97



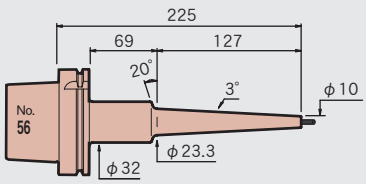
9.2

A100-SLRA4-195-M127



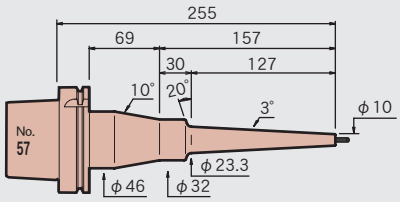
9.6

A100-SLRA4-225-M127



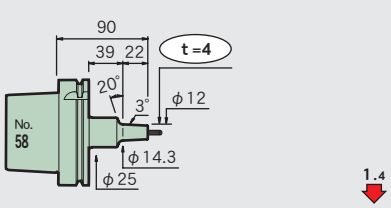
10.7

A100-SLRA4-255-M127



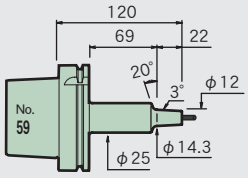
10.4

A100-SLFB4-90-M22



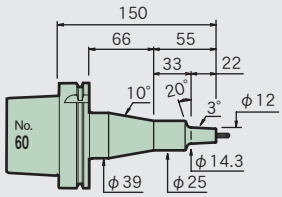
1.4

A100-SLFB4-120-M22



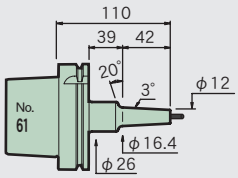
1.9

A100-SLFB4-150-M22



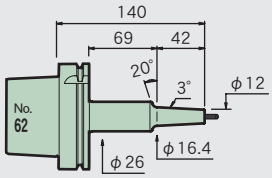
1.8

A100-SLFB4-110-M42



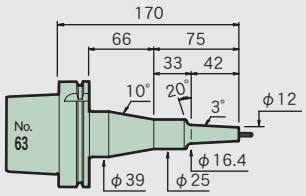
2.3

A100-SLFB4-140-M42



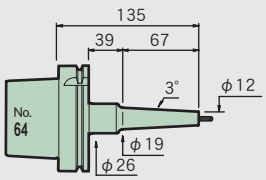
3.1

A100-SLFB4-170-M42



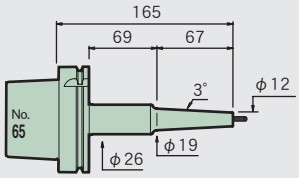
2.9

A100-SLFB4-135-M67



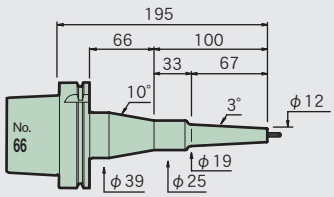
3.7

A100-SLFB4-165-M67



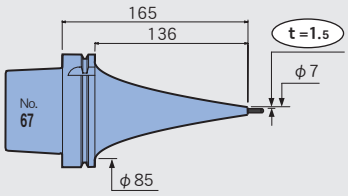
4.7

A100-SLFB4-195-M67



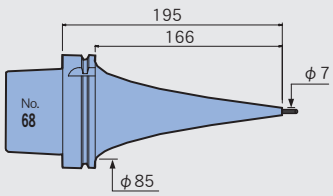
4.7

A100-SLSA4-165 CV



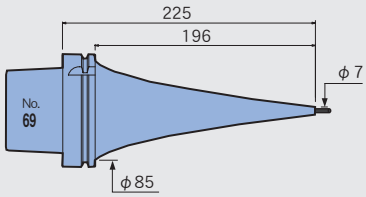
2.5

A100-SLSA4-195 CV



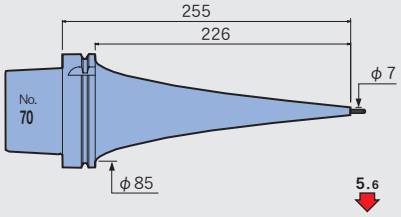
3.3

A100-SLSA4-225 CV



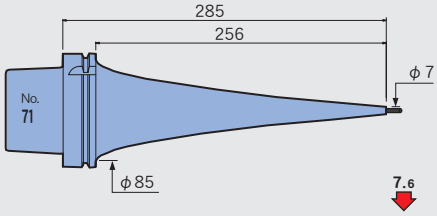
3.8

A100-SLSA-255 CV



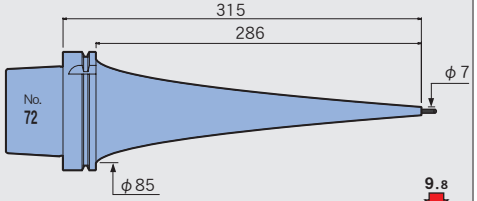
5.6

A100-SLSA4-285 CV



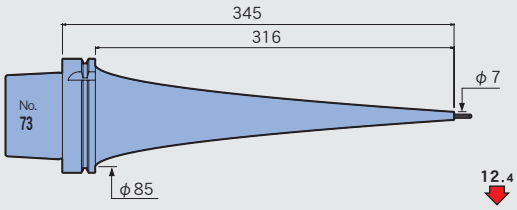
7.6

A100-SLSA4-315 CV



9.8

A100-SLSA4-345 CV

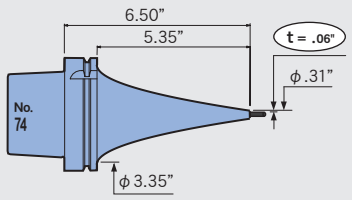


12.4

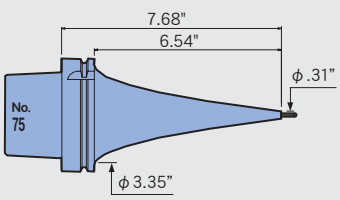
A100 S=1:7

$\phi \frac{3}{16}$

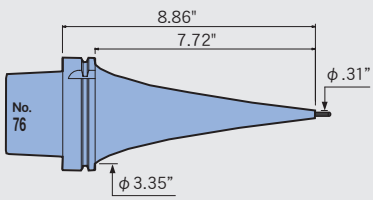
A100-SLSA3/16-165 CV



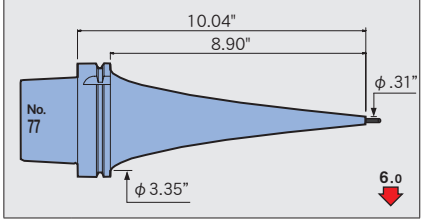
A100-SLSA3/16-195 CV



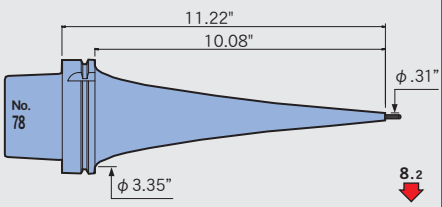
A100-SLSA3/16-225 CV



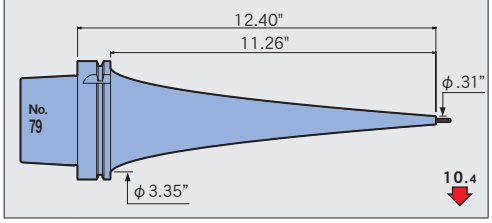
A100-SLSA3/16-255 CV



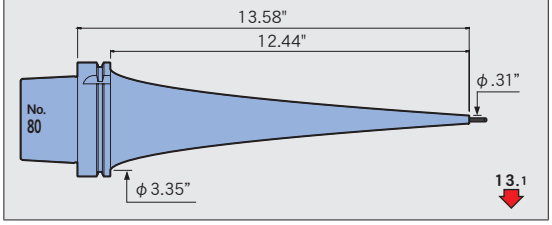
A100-SLSA3/16-285 CV



A100-SLSA3/16-315 CV

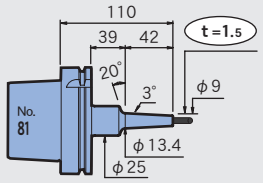


A100-SLSA3/16-345 CV



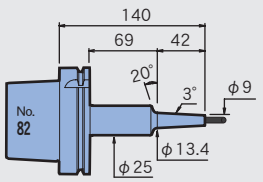
φ6

A100-SLSA6-110-M42



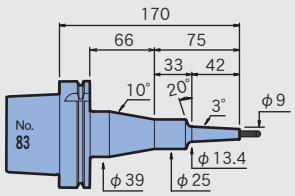
4.9

A100-SLSA6-140-M42



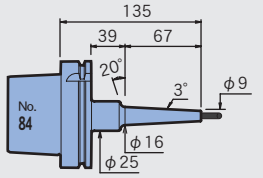
5.8

A100-SLSA6-170-M42



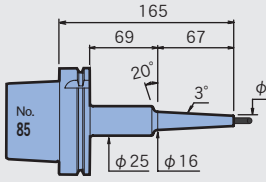
5.6

A100-SLSA6-135-M67



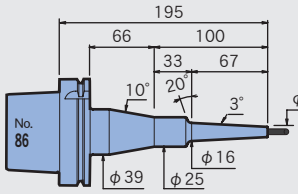
8.2

A100-SLSA6-165-M67



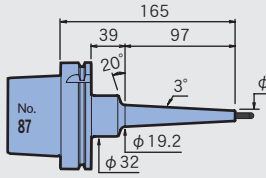
9.5

A100-SLSA6-195-M67



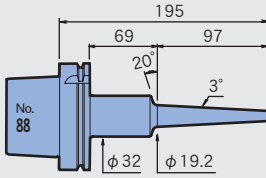
9.1

A100-SLSA6-165-M97



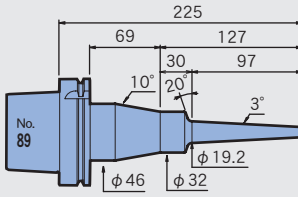
11.1

A100-SLSA6-195-M97



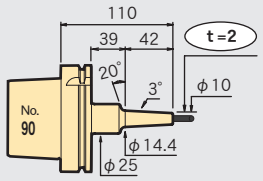
11.9

A100-SLSA6-225-M97



11.7

A100-SLSB6-110-M42



3.8

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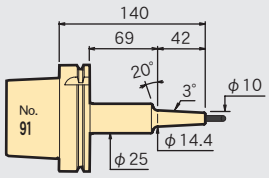
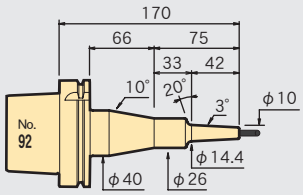


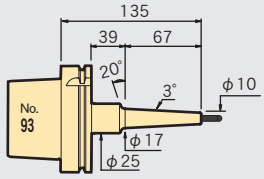
4.7

A100-SLSB6-170-M42



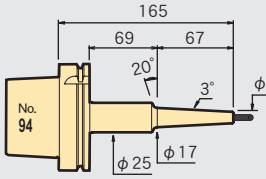
4.6

A100-SLSB6-135-M67



6.3

A100-SLSB6-165-M67



7.7

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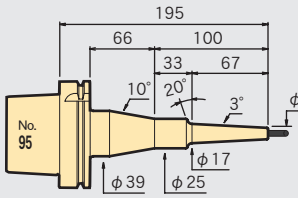
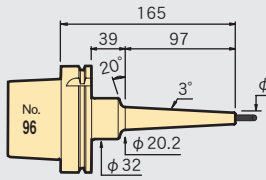


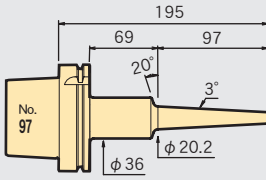
7.4

A100-SLSB6-165-M97



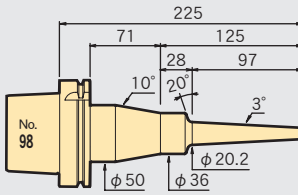
8.6

A100-SLSB6-195-M97



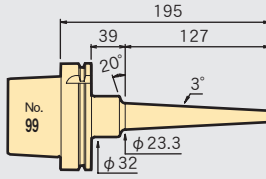
9.5

A100-SLSB6-225-M97



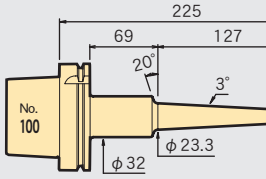
9.3

A100-SLSB6-195-M127



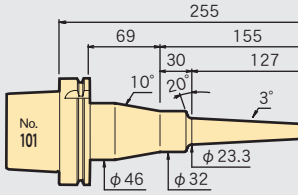
11.3

A100-SLSB6-225-M127



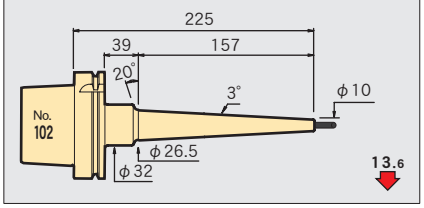
12.4

A100-SLSB6-255-M127



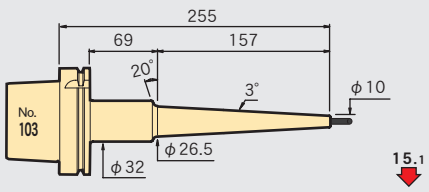
12.1

A100-SLSB6-225-M157



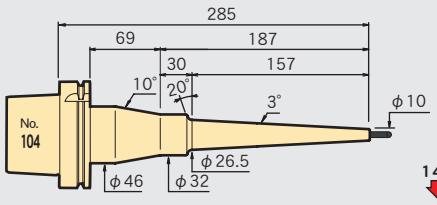
13.6

A100-SLSB6-255-M157



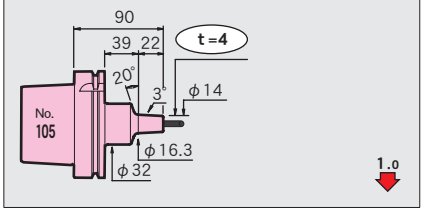
15.1

A100-SLSB6-285-M157



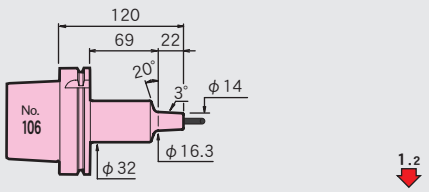
14.6

A100-SLRB6-90-M22



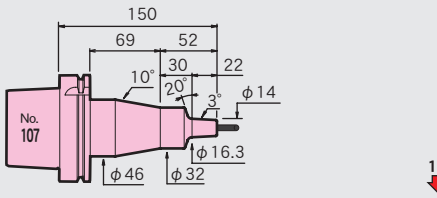
1.0

A100-SLRB6-120-M22



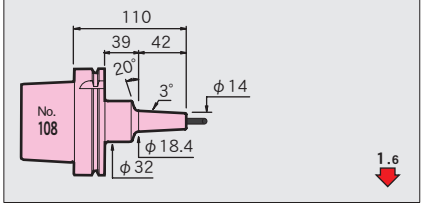
1.2

A100-SLRB6-150-M22



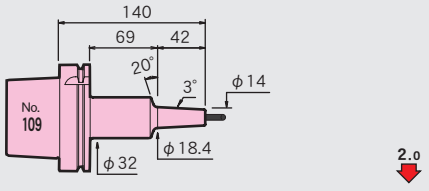
1.2

A100-SLRB6-110-M42



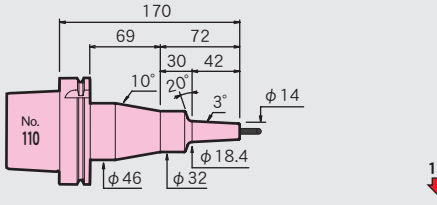
1.6

A100-SLRB6-140-M42



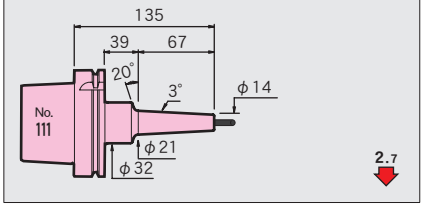
2.0

A100-SLRB6-170-M42



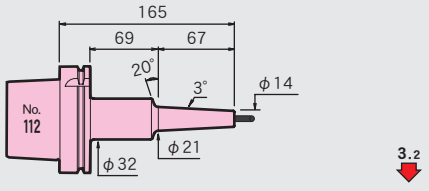
1.9

A100-SLRB6-135-M67



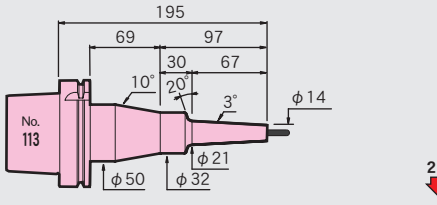
2.7

A100-SLRB6-165-M67



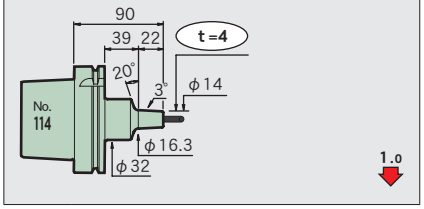
3.2

A100-SLRB6-195-M67



2.9

A100-SLFB6-90-M22



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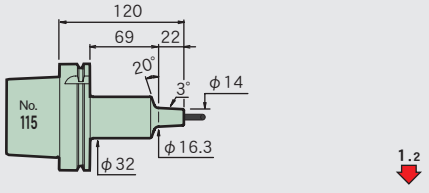

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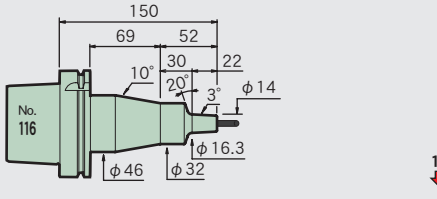
A100-SLFB6-150-M22



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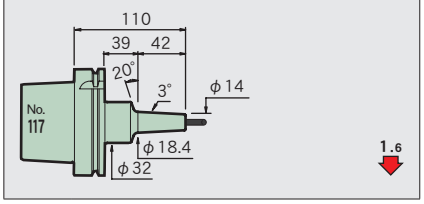
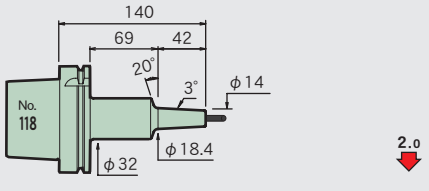
A100-SLFB6-110-M42



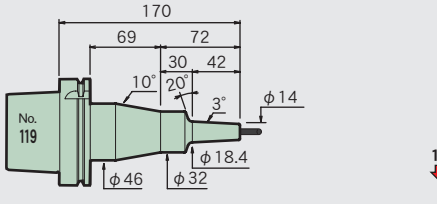
1.6

A100-SLFB6-140-M42



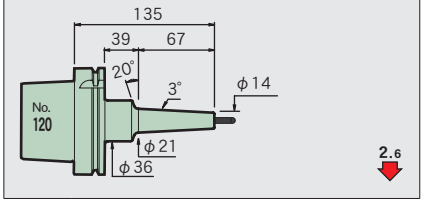
2.0

A100-SLFB6-170-M42



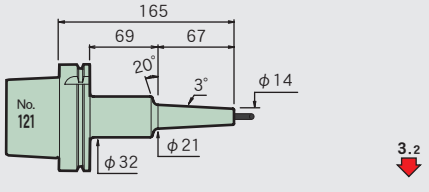
1.9

A100-SLFB6-135-M67



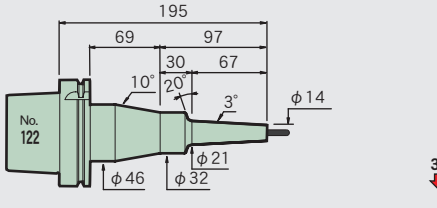
2.6

A100-SLFB6-165-M67



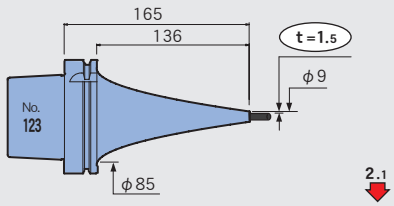
3.2

A100-SLFB6-195-M67

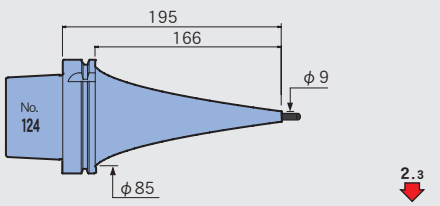


3.1

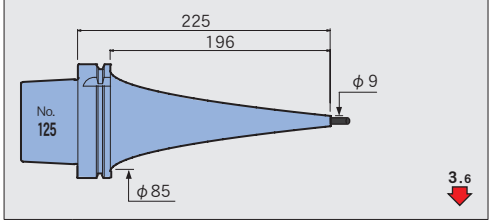
A100-SLSA6-165 CV



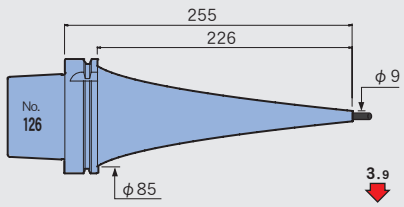
A100-SLSA6-195 CV



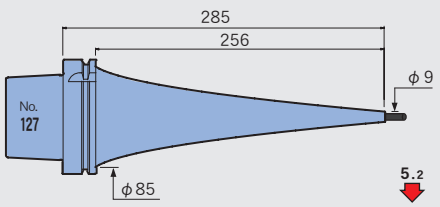
A100-SLSA6-225 CV



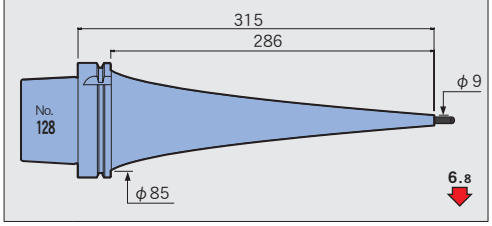
A100-SLSA6-255 CV



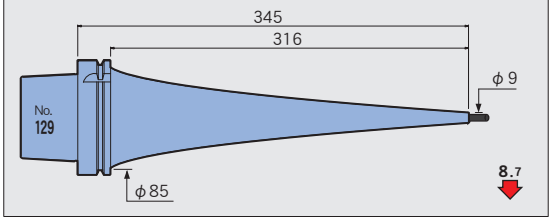
A100-SLSA6-285 CV



A100-SLSA6-315 CV



A100-SLSA6-345 CV



A100 S=1:7

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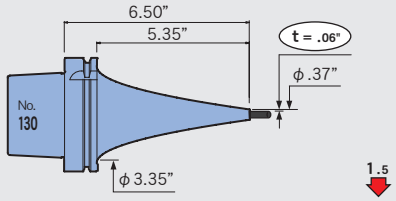
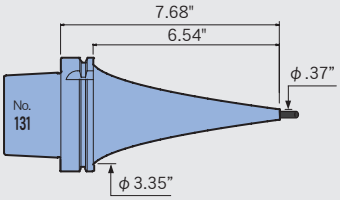
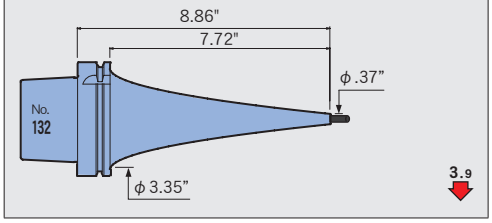
A100-SLSA1/4-165 CV



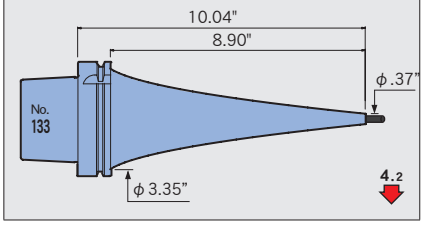
A100-SLSA1/4-195 CV



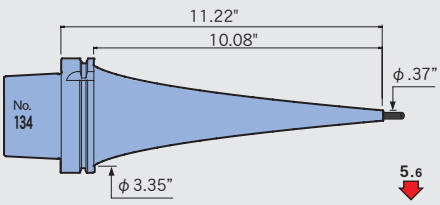
A100-SLSA1/4-225 CV



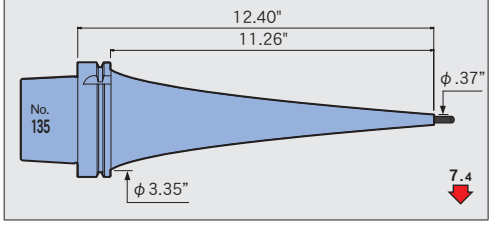
A100-SLSA1/4-255 CV



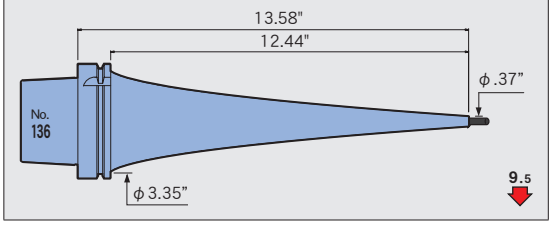
A100-SLSA1/4-285 CV



A100-SLSA1/4-315 CV

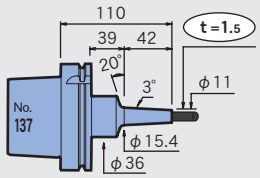


A100-SLSA1/4-345 CV



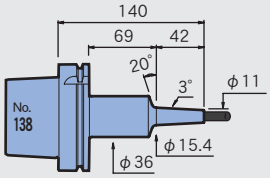
φ8

A100-SLSA8-110-M42



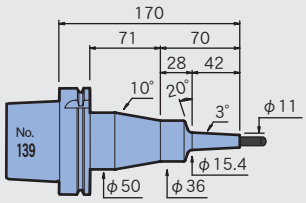
3.2

A100-SLSA8-140-M42



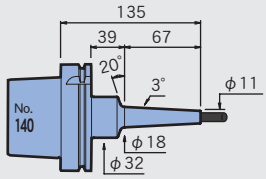
3.5

A100-SLSA8-170-M42



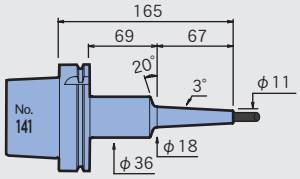
3.4

A100-SLSA8-135-M67



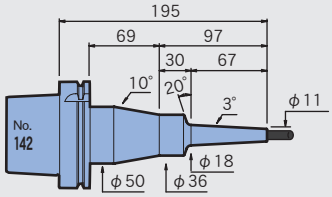
5.5

A100-SLSA8-165-M67



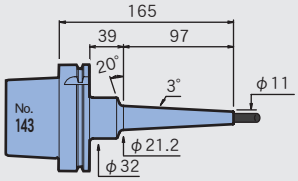
5.8

A100-SLSA8-195-M67



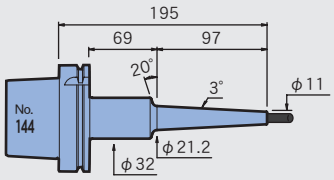
5.9

A100-SLSA8-165-M97



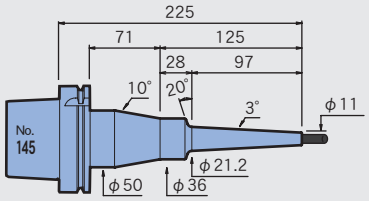
8.1

A100-SLSA8-195-M97



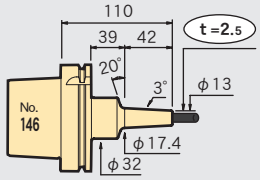
8.9

A100-SLSA8-225-M97



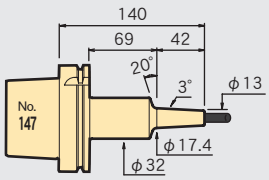
8.3

A100-SLSB8-110-M42



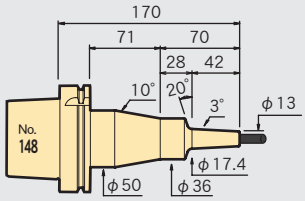
2.1

A100-SLSB8-140-M42



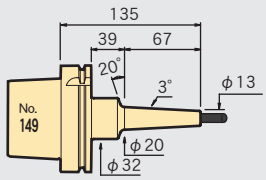
2.6

A100-SLSB8-170-M42



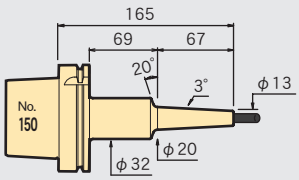
2.4

A100-SLSB8-135-M67



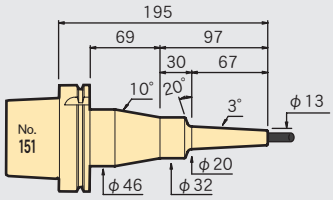
3.6

A100-SLSB8-165-M67



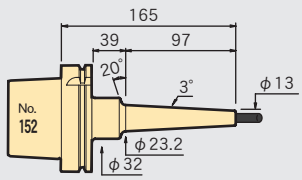
4.2

A100-SLSB8-195-M67



4.0

A100-SLSB8-165-M97



5.4

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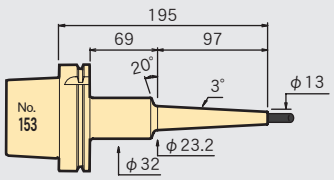
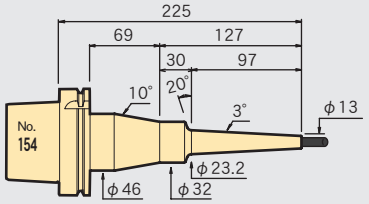


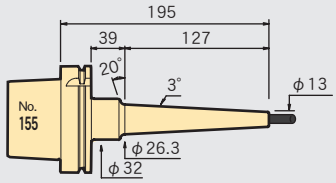
6.3

A100-SLSB8-225-M97



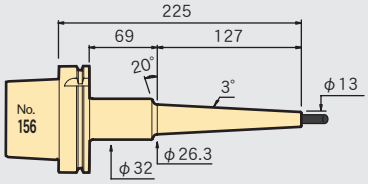
6.0

A100-SLSB8-195-M127



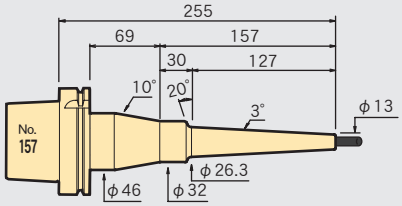
7.3

A100-SLSB8-225-M127



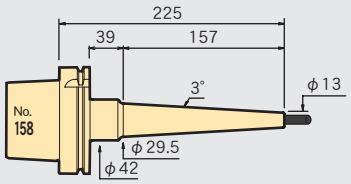
8.5

A100-SLSB8-255-M127



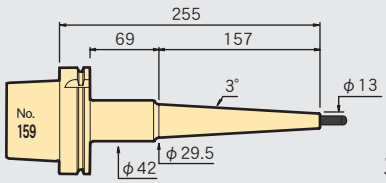
8.2

A100-SLSB8-225-M157



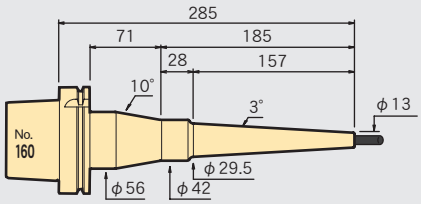
8.1

A100-SLSB8-255-M157



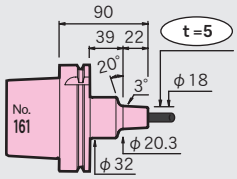
8.7

A100-SLSB8-285-M157



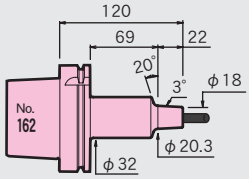
8.6

A100-SLRB8-90-M22



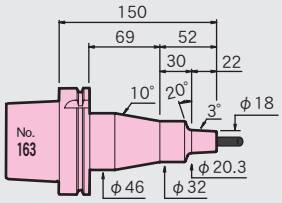
0.7

A100-SLRB8-120-M22



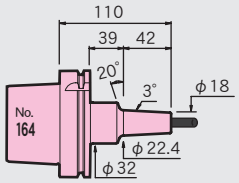
1.0

A100-SLRB8-150-M22



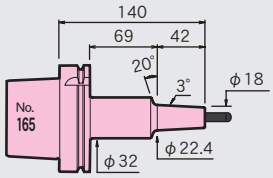
1.0

A100-SLRB8-110-M42



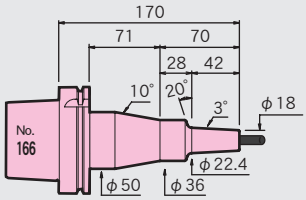
1.1

A100-SLRB8-140-M42



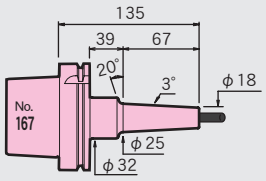
1.6

A100-SLRB8-170-M42



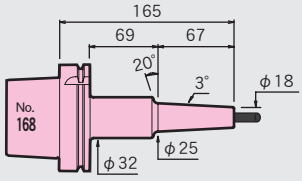
1.3

A100-SLRB8-135-M67



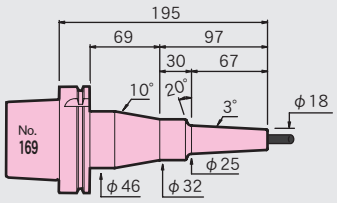
1.8

A100-SLRB8-165-M67



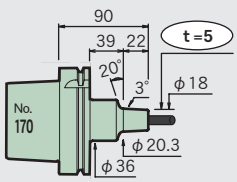
2.4

A100-SLRB8-195-M67



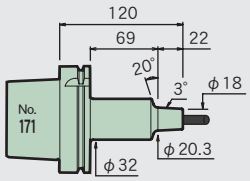
2.2

A100-SLFB8-90-M22



0.7

A100-SLFB8-120-M22



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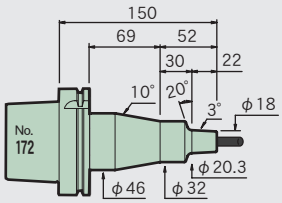
A100-SLFB8-150-M22



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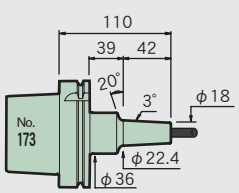
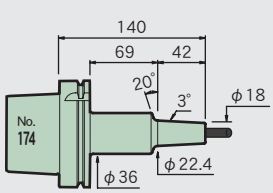
A100-SLFB8-110-M42



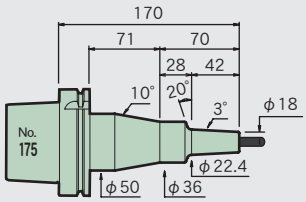
1.1

A100-SLFB8-140-M42



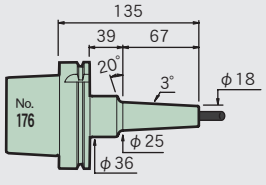
1.3

A100-SLFB8-170-M42



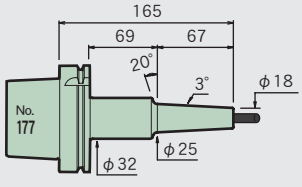
1.3

A100-SLFB8-135-M67



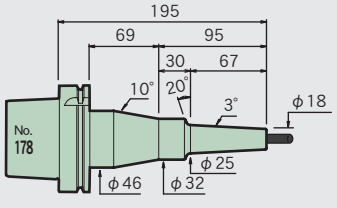
1.7

A100-SLFB8-165-M67



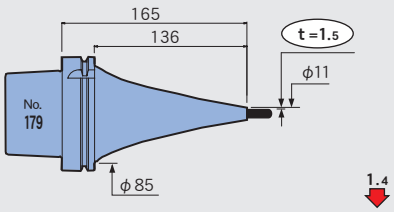
2.4

A100-SLFB8-195-M67

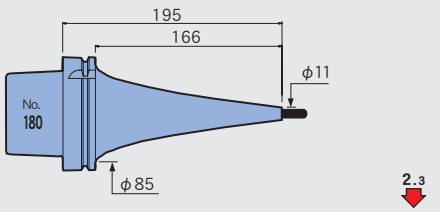


2.2

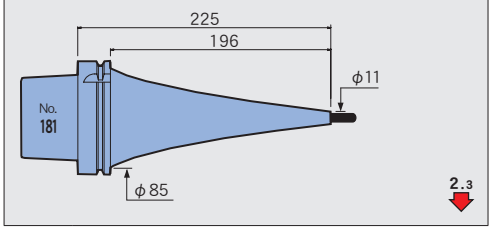
A100-SLSA8-165 CV



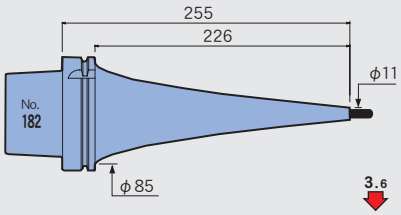
A100-SLSA8-195 CV



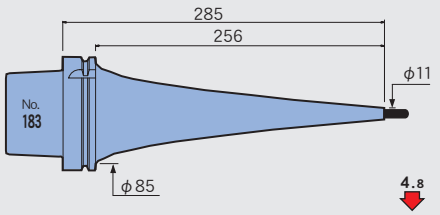
A100-SLSA8-225 CV



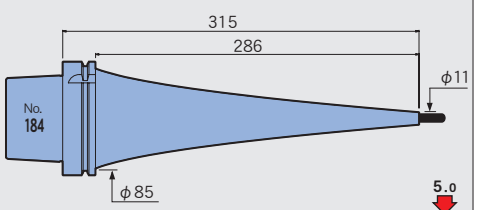
A100-SLSA8-255 CV



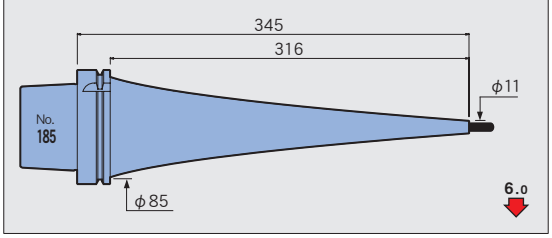
A100-SLSA8-285 CV



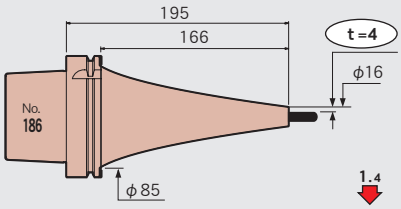
A100-SLSA8-315 CV



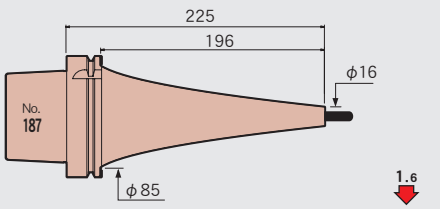
A100-SLSA8-345 CV



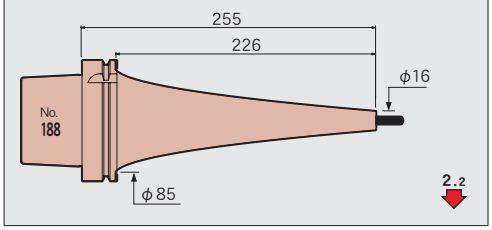
A100-SLRA8-195 CV



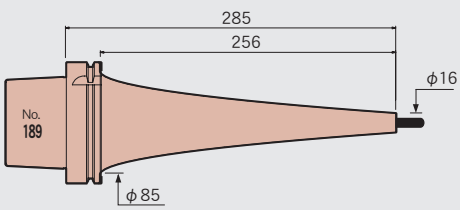
A100-SLRA8-225 CV



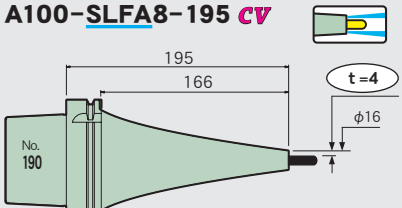
A100-SLRA8-255 CV



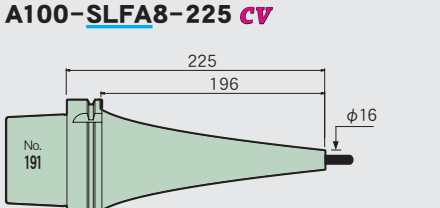
A100-SLRA8-285 CV



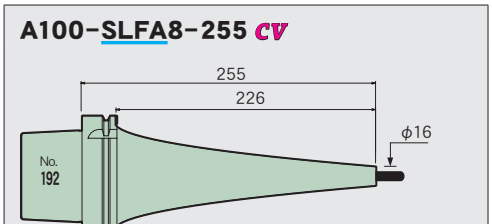
A100-SLFA8-195 CV



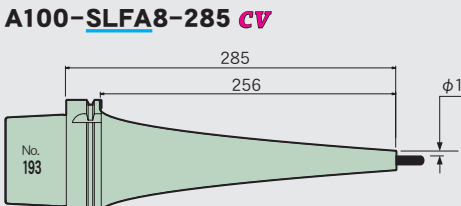
A100-SLFA8-225 CV



A100-SLFA8-255 CV



A100-SLFA8-285 CV



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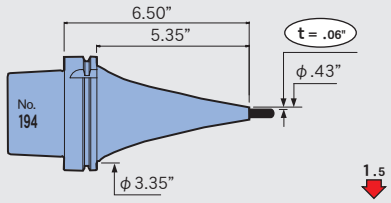
A100-SLSA5/16-165 CV



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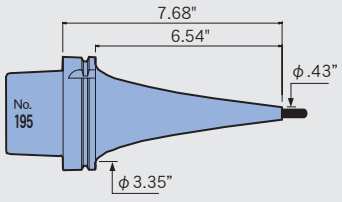
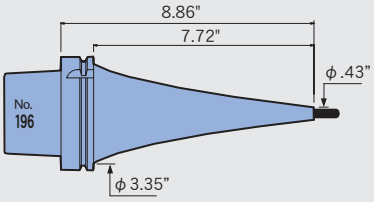
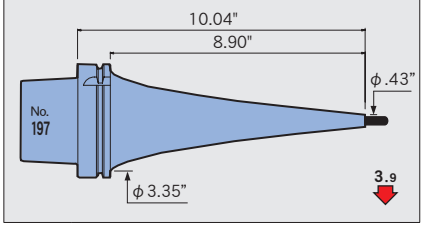


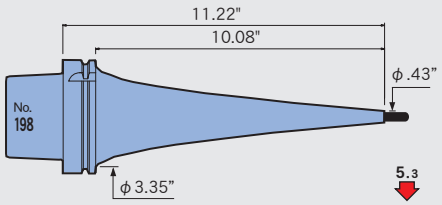
A100-SLSA5/16-225 CV



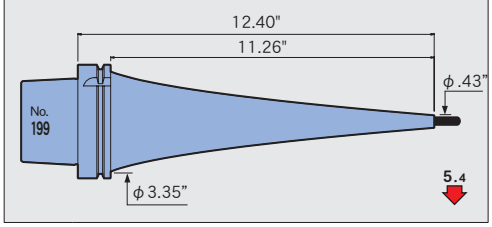
A100-SLSA5/16-255 CV



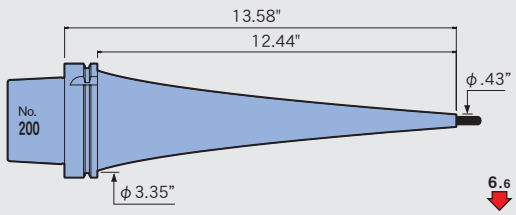
A100-SLSA5/16-285 CV



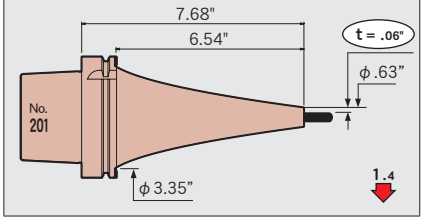
A100-SLSA5/16-315 CV



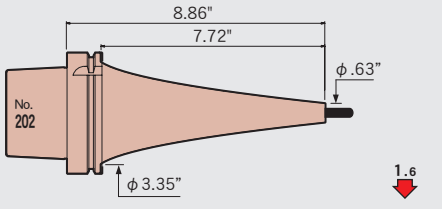
A100-SLSA5/16-345 CV



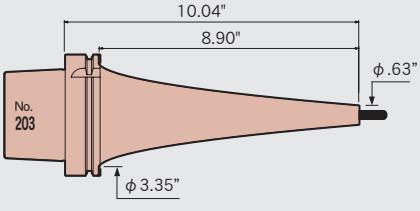
A100-SLRA5/16-195 CV



A100-SLRA5/16-225 CV



A100-SLRA5/16-255 CV



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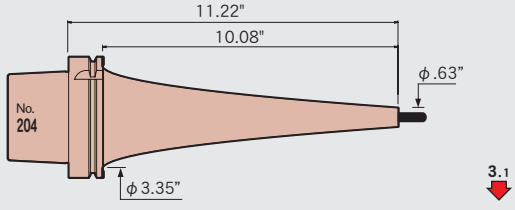
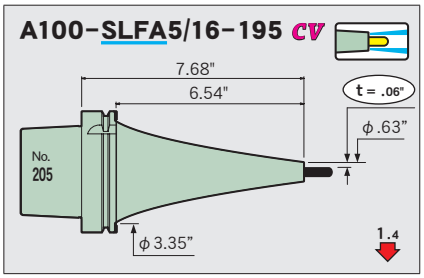
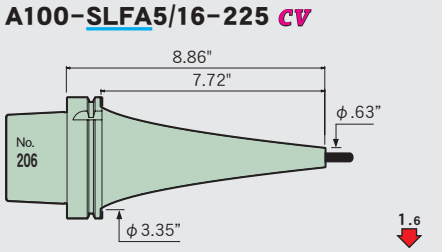


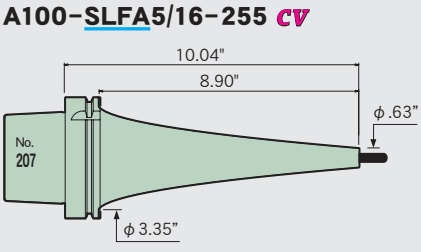
A100-SLFA5/16-195 CV



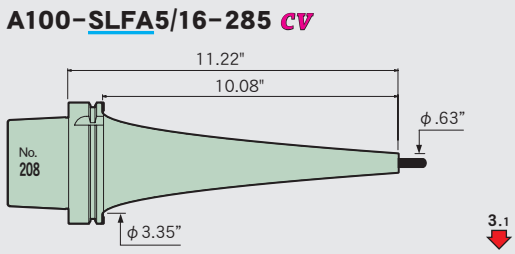
A100-SLFA5/16-225 CV



A100-SLFA5/16-255 CV

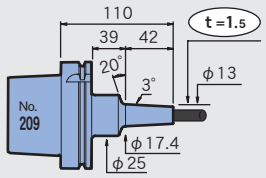


A100-SLFA5/16-285 CV



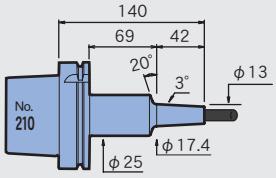
φ10

A100-SLSA10-110-M42



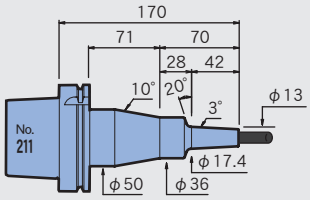
2.7

A100-SLSA10-140-M42



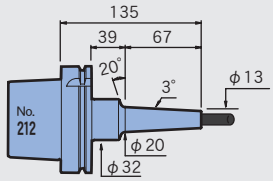
3.8

A100-SLSA10-170-M42



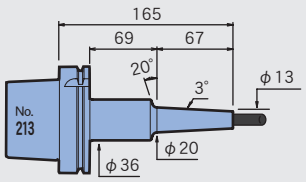
2.5

A100-SLSA10-135-M67



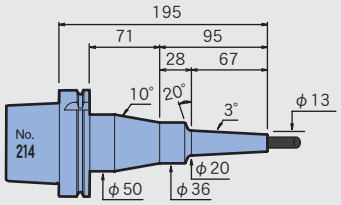
4.1

A100-SLSA10-165-M67



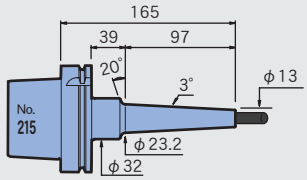
4.4

A100-SLSA10-195-M67



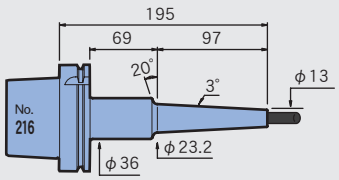
4.4

A100-SLSA10-165-M97



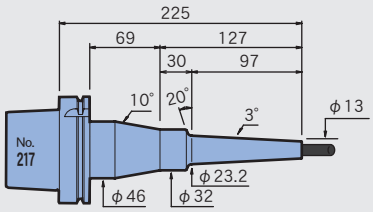
6.2

A100-SLSA10-195-M97



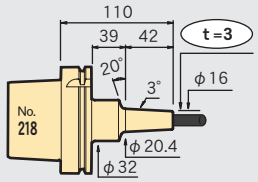
6.6

A100-SLSA10-225-M97



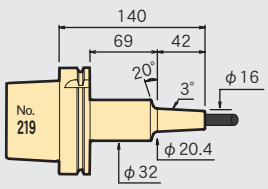
6.9

A100-SLSB10-110-M42



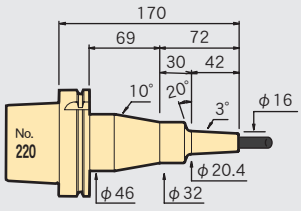
1.2

A100-SLSB10-140-M42



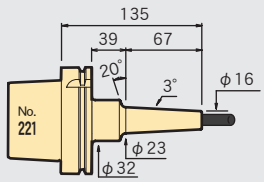
2.0

A100-SLSB10-170-M42



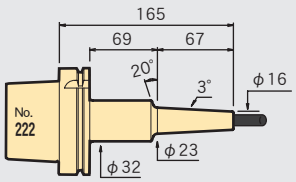
1.9

A100-SLSB10-135-M67



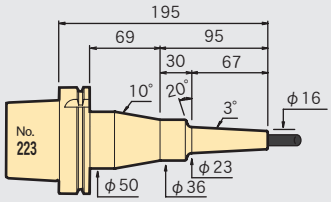
2.5

A100-SLSB10-165-M67



3.2

A100-SLSB10-195-M67



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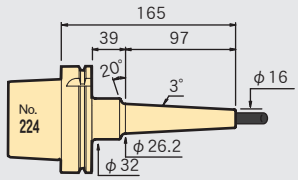
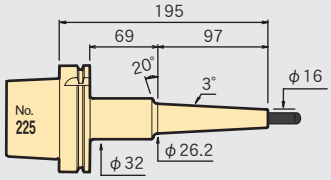
A100-SLSB10-165-M97



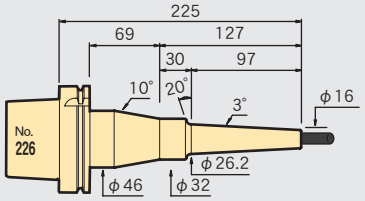
3.8

A100-SLSB10-195-M97



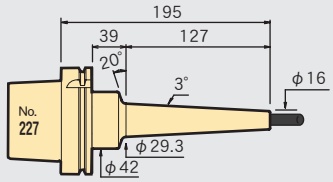
4.8

A100-SLSB10-225-M97



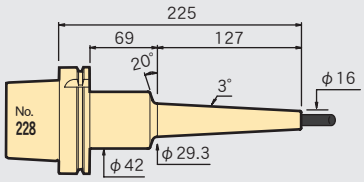
4.5

A100-SLSB10-195-M127



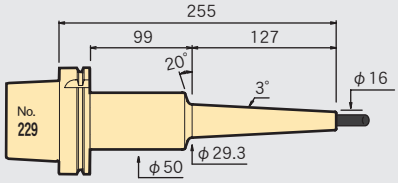
4.6

A100-SLSB10-225-M127



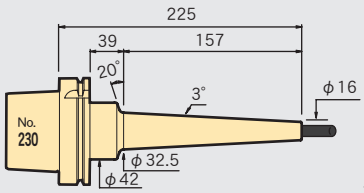
5.0

A100-SLSB10-255-M127



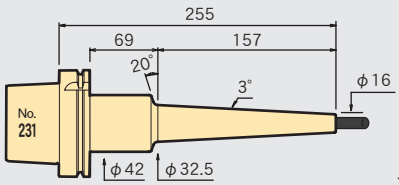
5.0

A100-SLSB10-225-M157



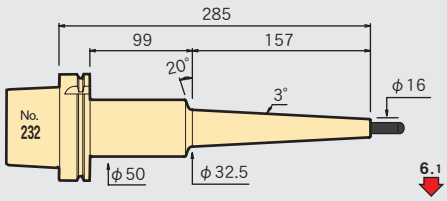
5.7

A100-SLSB10-255-M157



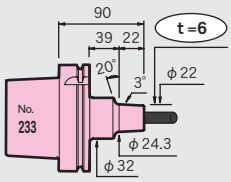
6.2

A100-SLSB10-285-M157



6.1

A100-SLRB10-90-M22



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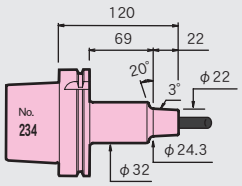
A100-SLRB10-120-M22



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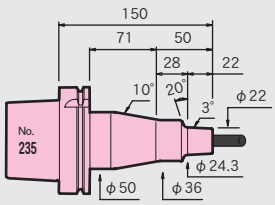
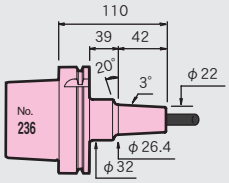
A100-SLRB10-150-M22



0.7

A100-SLRB10-110-M42



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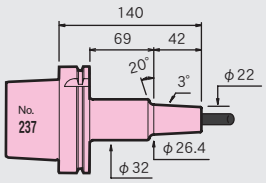
A100-SLRB10-140-M42



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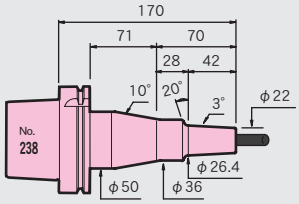
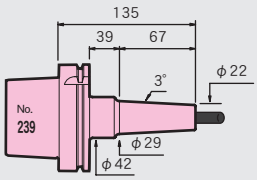
A100-SLRB10-170-M42



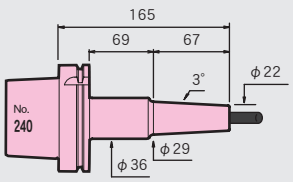
1.0

A100-SLRB10-135-M67



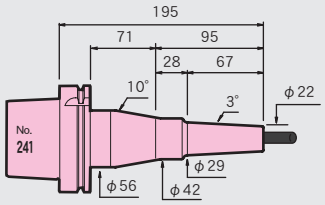
1.1

A100-SLRB10-165-M67



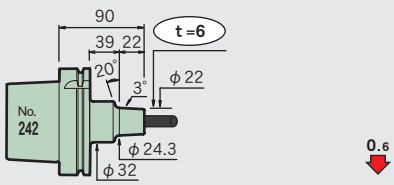
1.6

A100-SLRB10-195-M67



1.3

A100-SLFB10-90-M22



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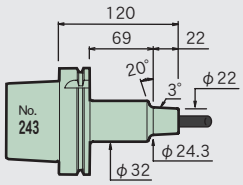
A100-SLFB10-120-M22



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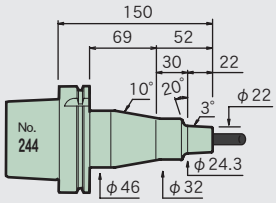
A100-SLFB10-150-M22



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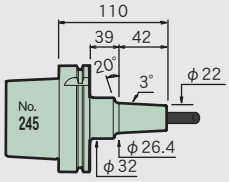
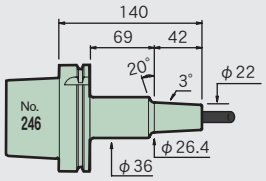
A100-SLFB10-110-M42



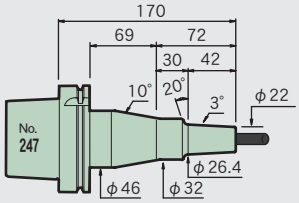
0.9

A100-SLFB10-140-M42



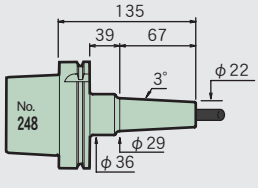
1.1

A100-SLFB10-170-M42



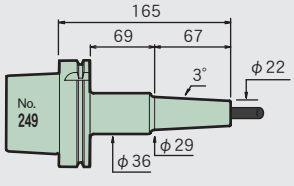
1.3

A100-SLFB10-135-M67



1.2

A100-SLFB10-165-M67



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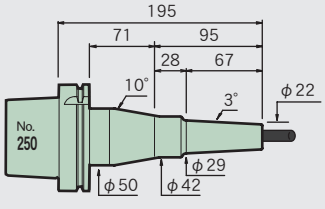
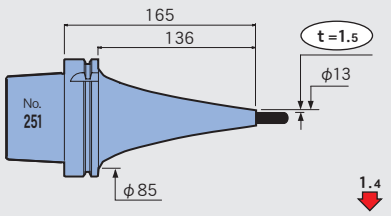
A100-SLFB10-195-M67

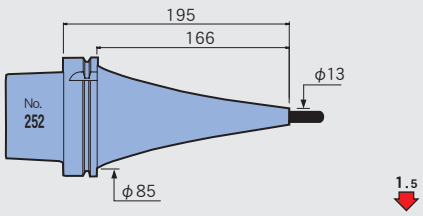


1.3

A100-SLSA10-165 CV



A100-SLSA10-195 CV



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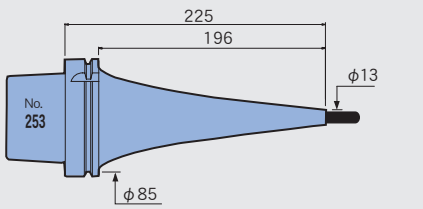
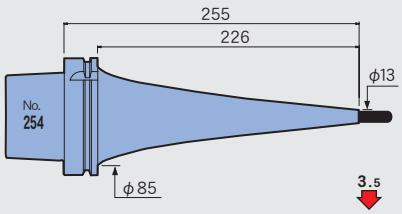


A100-SLSA10-255 CV



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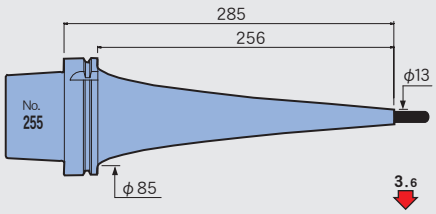

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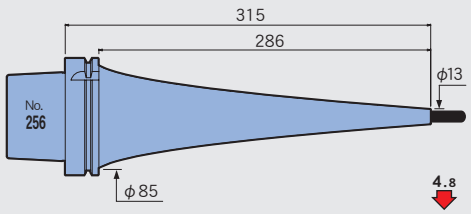

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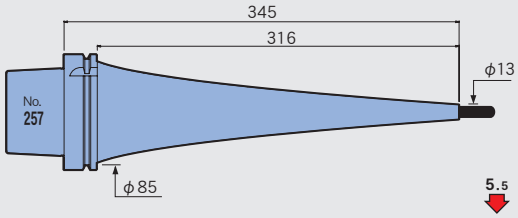

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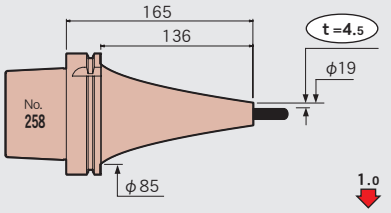

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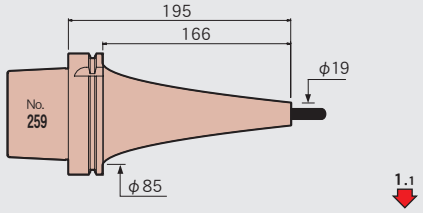

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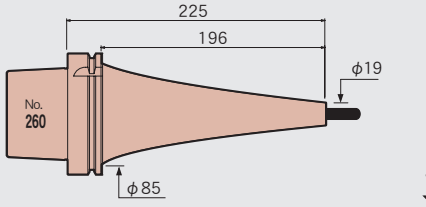
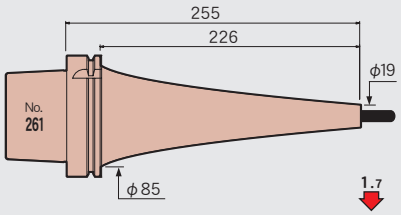


A100-SLRA10-255 CV



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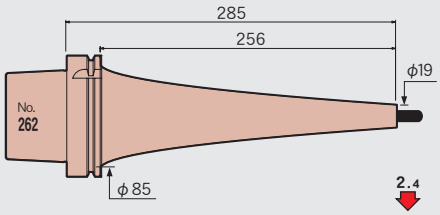

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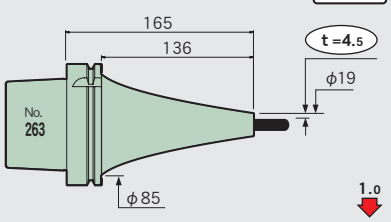

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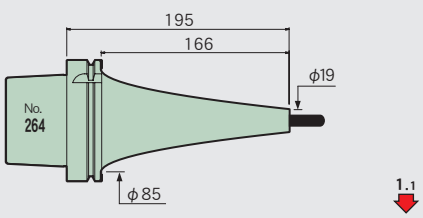

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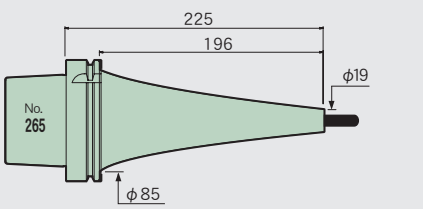

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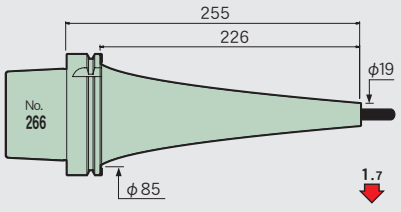

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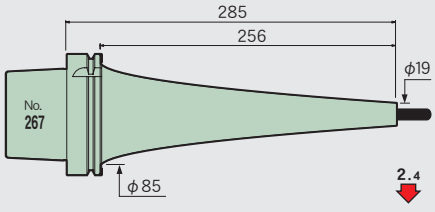

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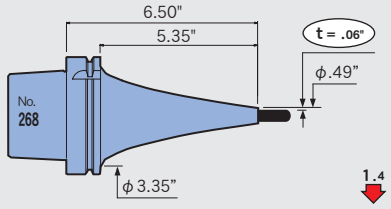
A100-SLSA3/8-165 CV



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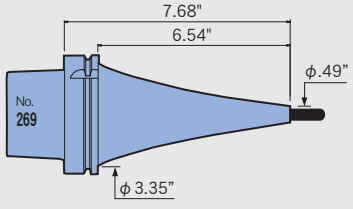

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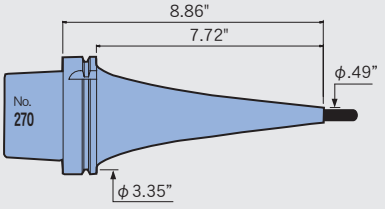

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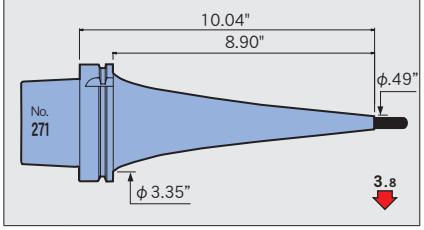

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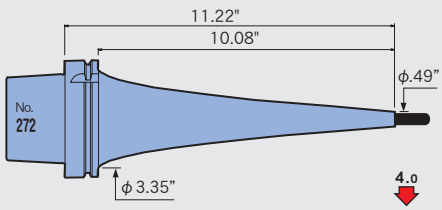

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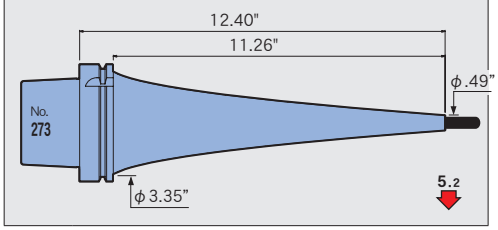

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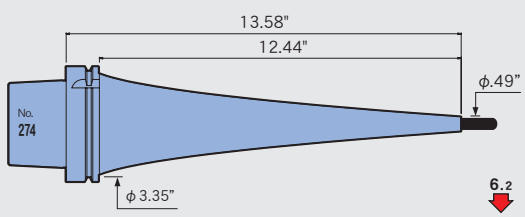

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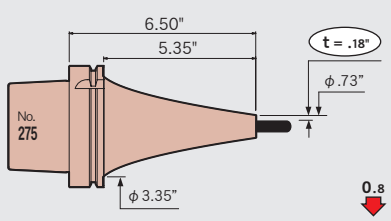

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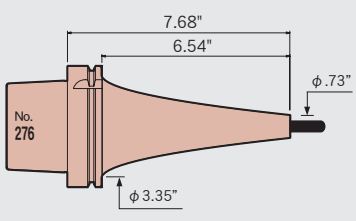

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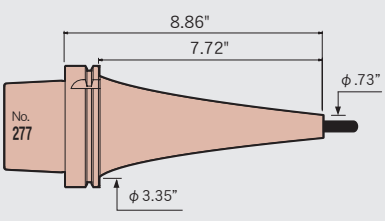

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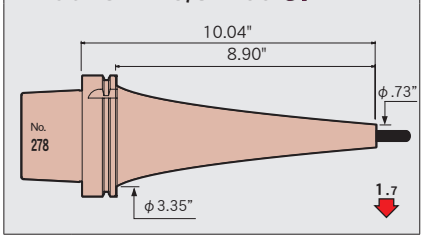

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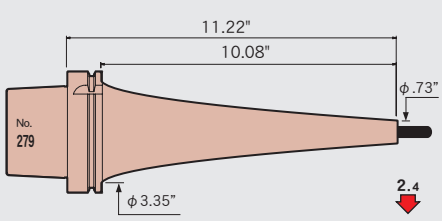
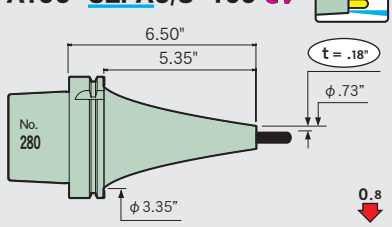


A100-SLFA3/8-165 CV



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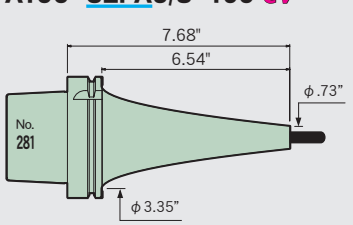

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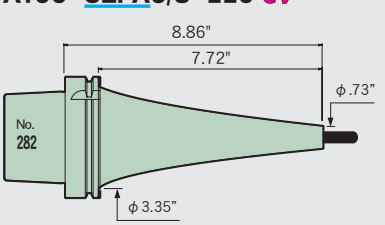
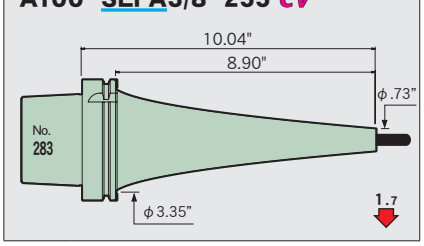


A100-SLFA3/8-255 CV



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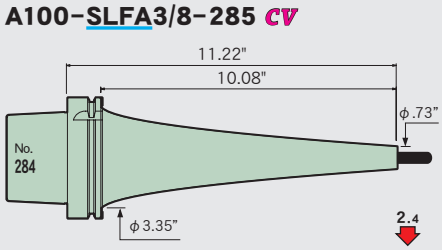
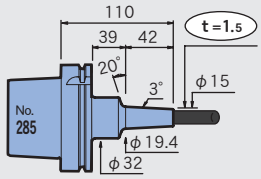


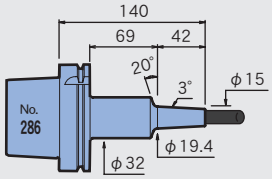
φ12

A100-SLSA12-110-M42



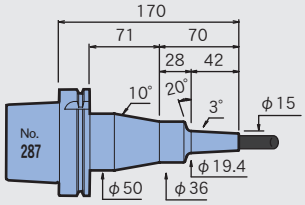
1.9

A100-SLSA12-140-M42



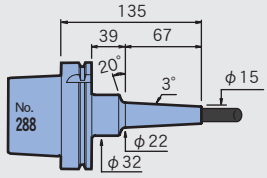
2.4

A100-SLSA12-170-M42



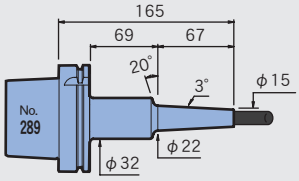
2.1

A100-SLSA12-135-M67



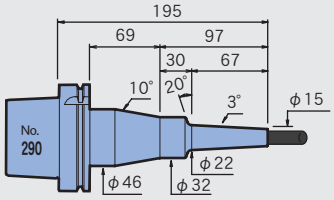
3.4

A100-SLSA12-165-M67



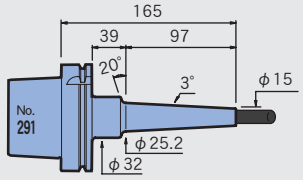
4.1

A100-SLSA12-195-M67



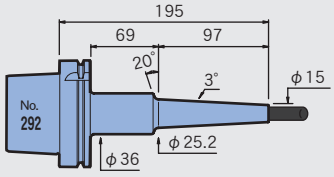
3.9

A100-SLSA12-165-M97



5.1

A100-SLSA12-195-M97



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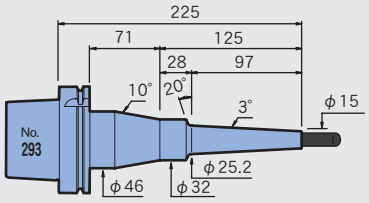
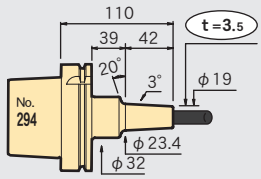
A100-SLSA12-225-M97



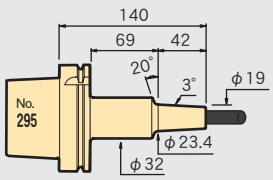
5.8

A100-SLSB12-110-M42



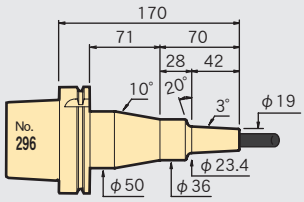
1.2

A100-SLSB12-140-M42



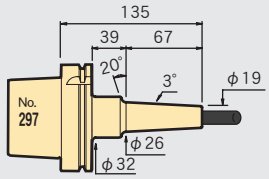
1.7

A100-SLSB12-170-M42



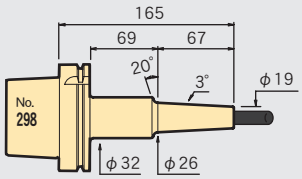
1.4

A100-SLSB12-135-M67



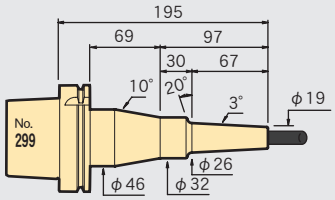
2.0

A100-SLSB12-165-M67



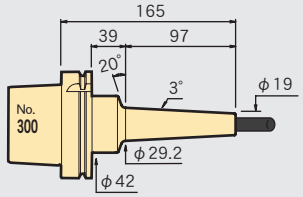
2.7

A100-SLSB12-195-M67



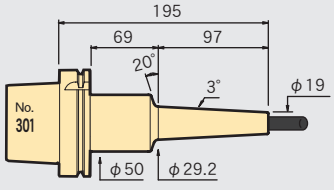
2.5

A100-SLSB12-165-M97



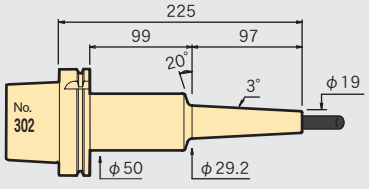
2.5

A100-SLSB12-195-M97



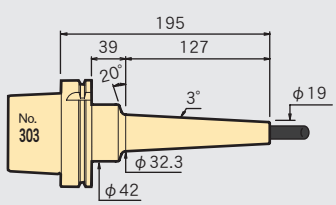
2.6

A100-SLSB12-225-M97



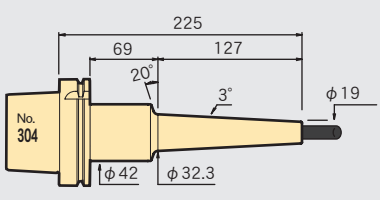
2.8

A100-SLSB12-195-M127



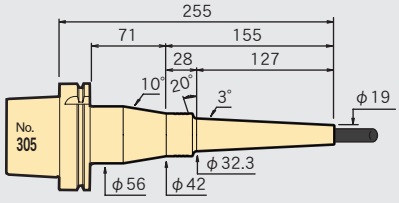
3.3

A100-SLSB12-225-M127



3.8

A100-SLSB12-255-M127



3.7

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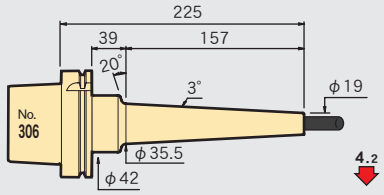
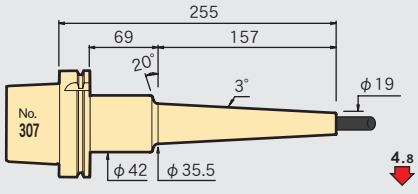


A100-SLSB12-255-M157



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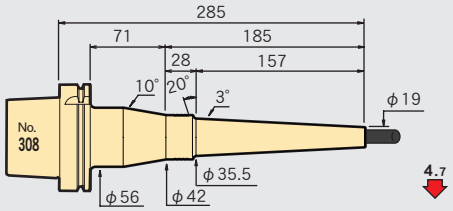
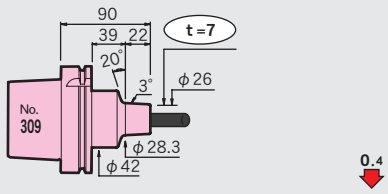


A100-SLRB12-90-M22



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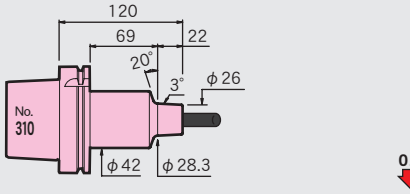
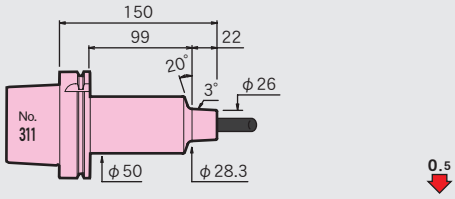


A100-SLRB12-150-M22



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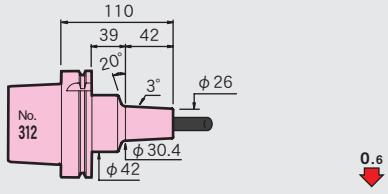

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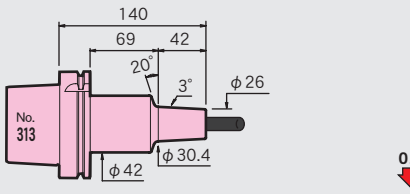
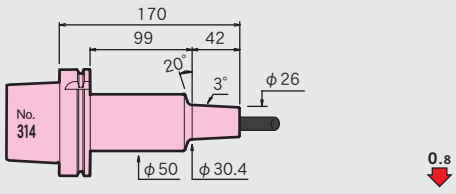


A100-SLRB12-170-M42



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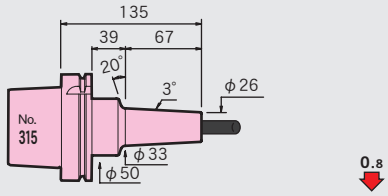

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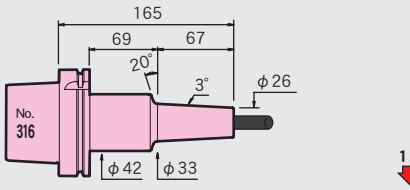

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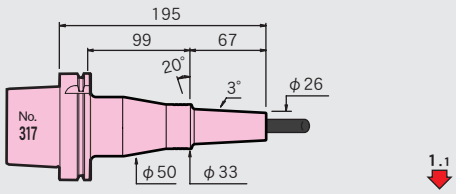

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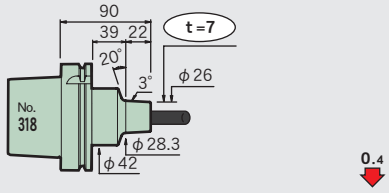

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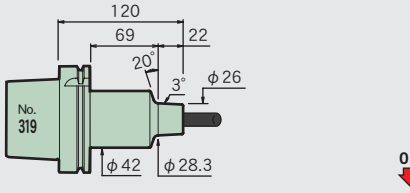

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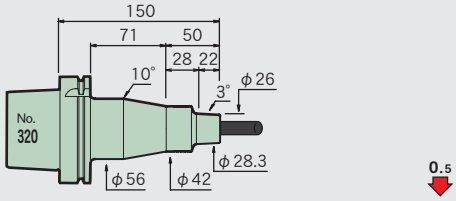

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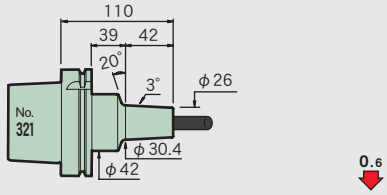

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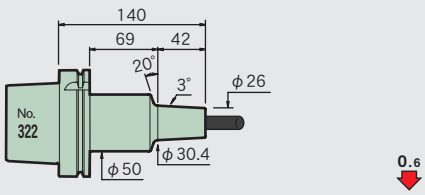

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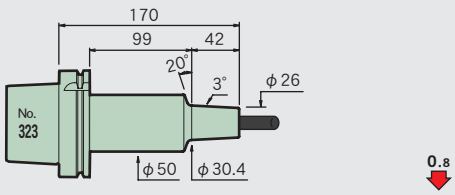
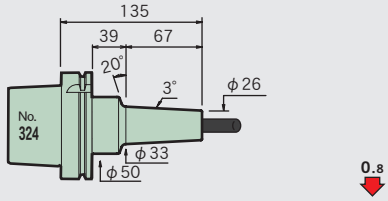


A100-SLFB12-135-M67



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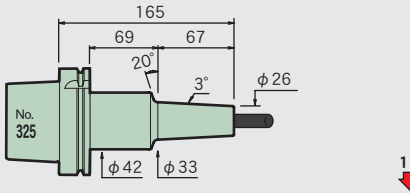

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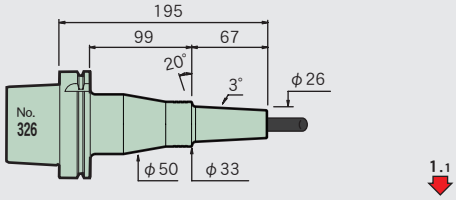

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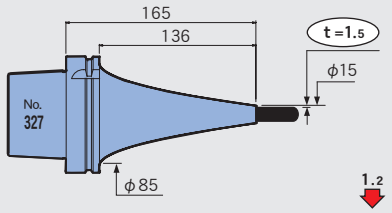

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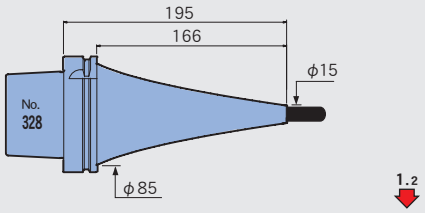
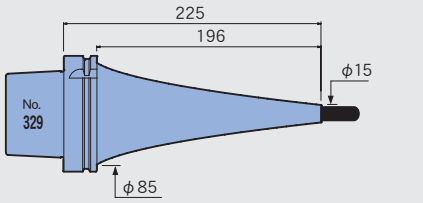
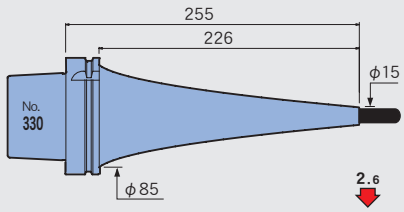


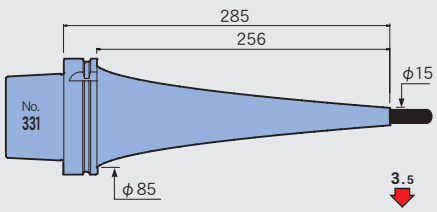
A100-SLSA12-225 CV



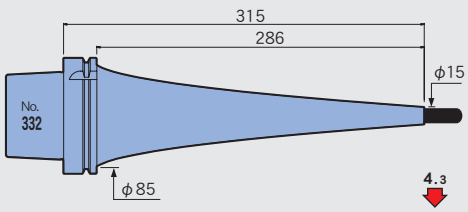
A100-SLSA12-255 CV



A100-SLSA12-285 CV



A100-SLSA12-315 CV



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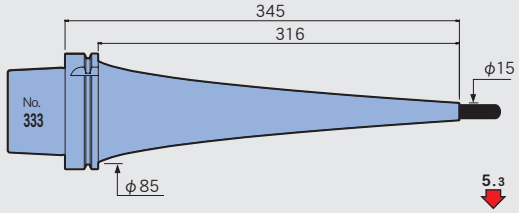

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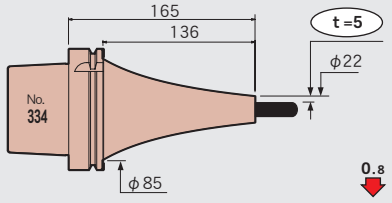

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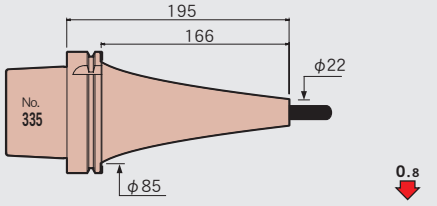

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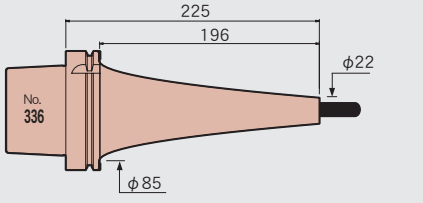

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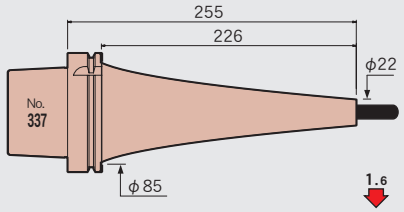

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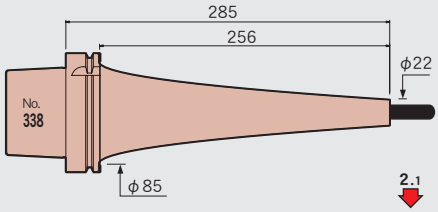

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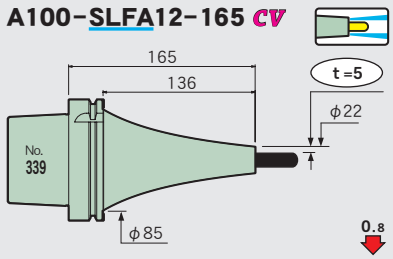

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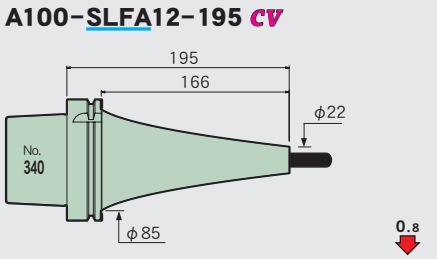

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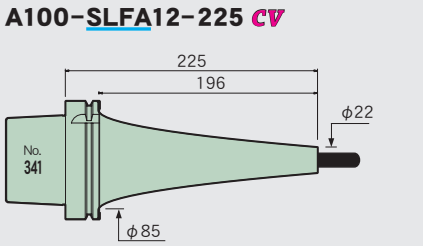

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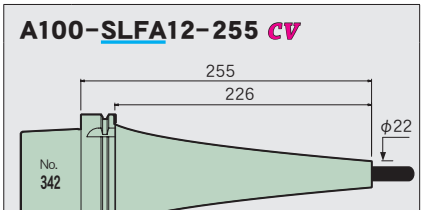

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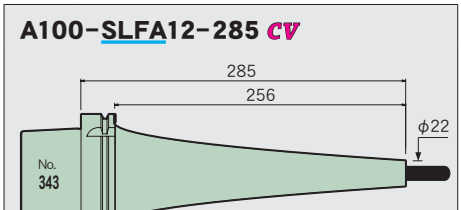

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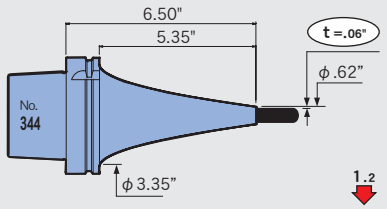
A100-SLSA1/2-165 CV



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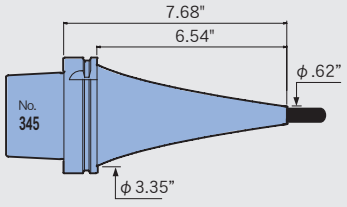

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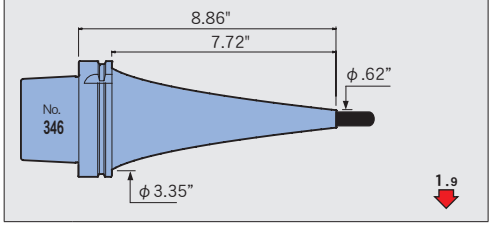

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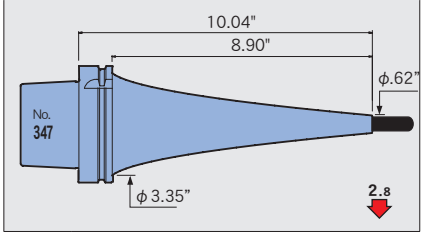

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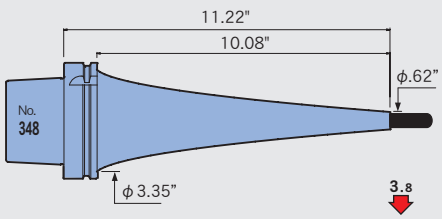

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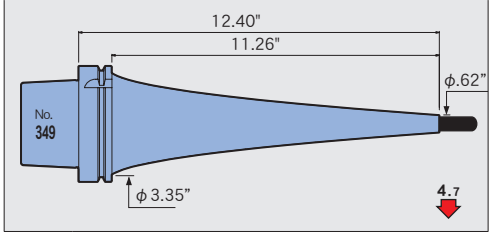
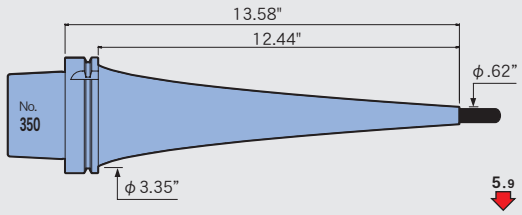


A100-SLSA1/2-345 CV



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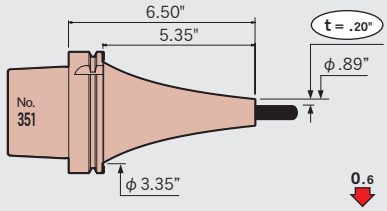

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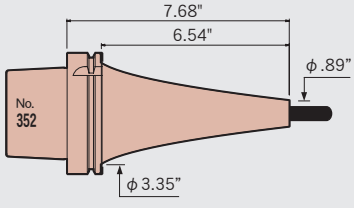

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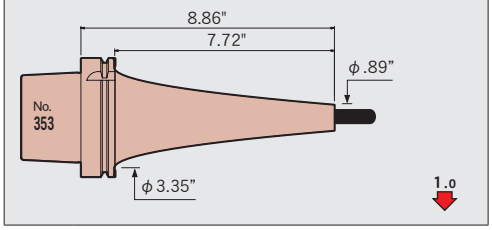

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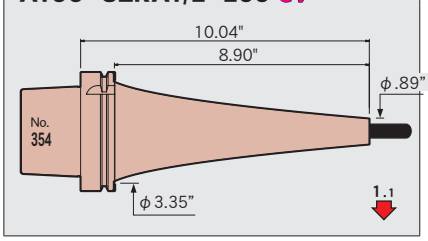

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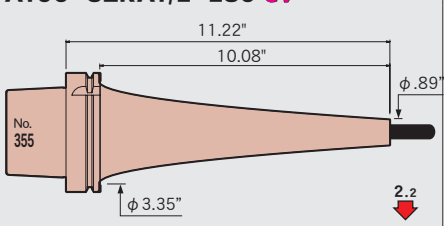

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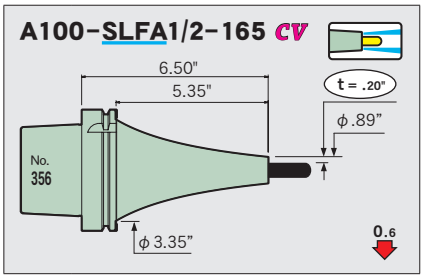

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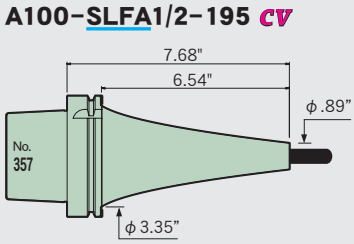

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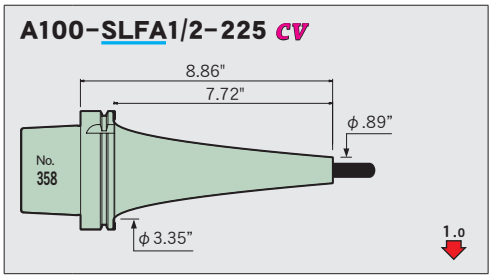

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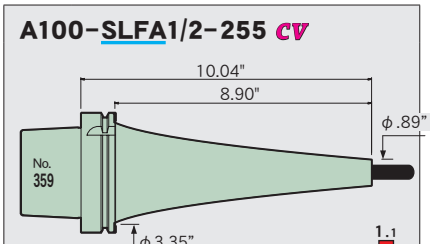

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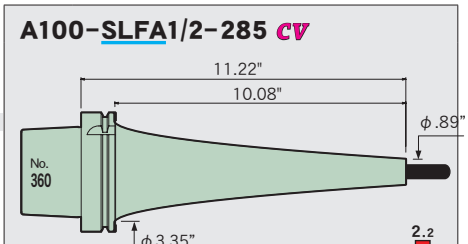

φ16

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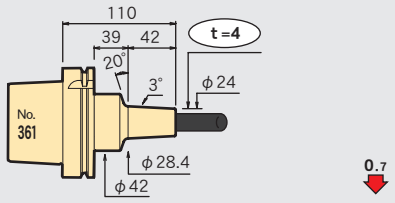

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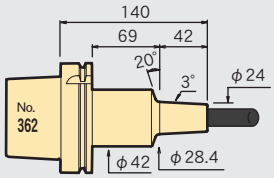

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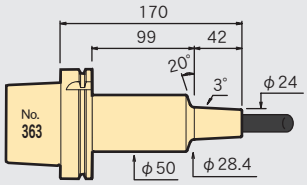

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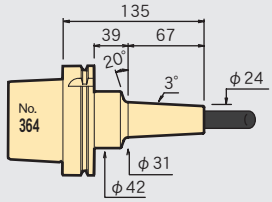

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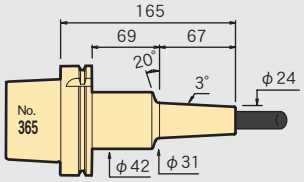

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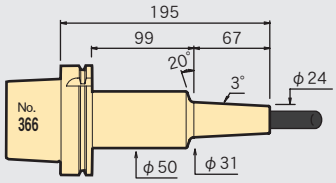
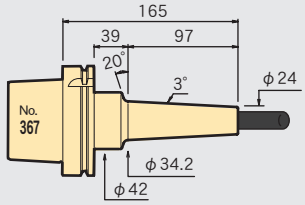


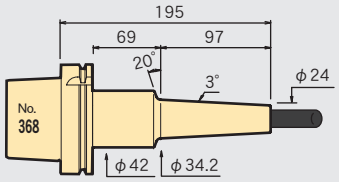
1.4

A100-SLSB16-165-M97



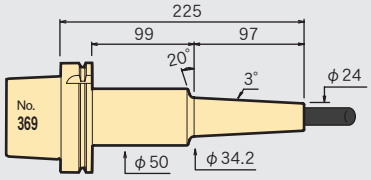
1.7

A100-SLSB16-195-M97



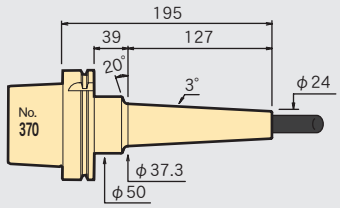
2.1

A100-SLSB16-225-M97



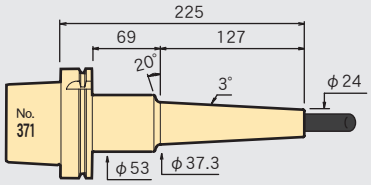
2.1

A100-SLSB16-195-M127



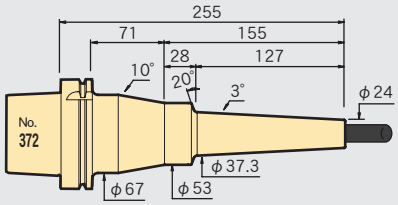
2.2

A100-SLSB16-225-M127



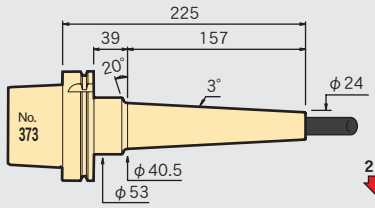
2.3

A100-SLSB16-255-M127



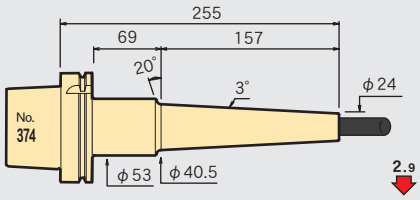
2.3

A100-SLSB16-225-M157



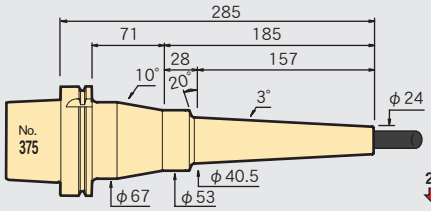
2.6

A100-SLSB16-255-M157



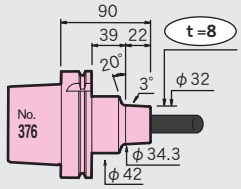
2.9

A100-SLSB16-285-M157



2.9

A100-SLRB16-90-M22



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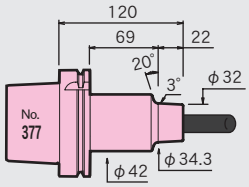
A100-SLRB16-120-M22



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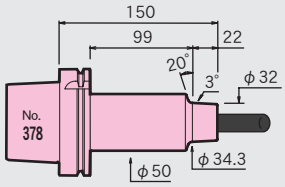
A100-SLRB16-150-M22



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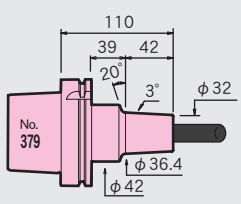
A100-SLRB16-110-M42



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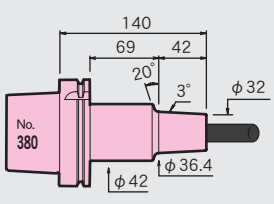

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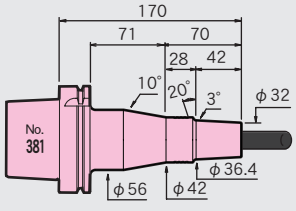
A100-SLRB16-170-M42



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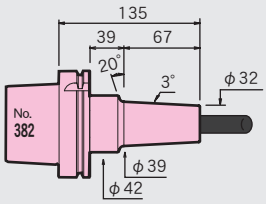
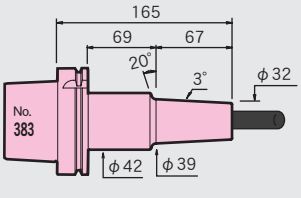
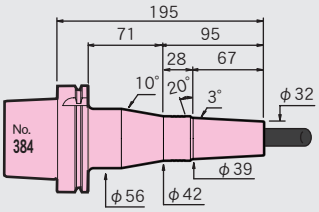
A100-SLRB16-135-M67



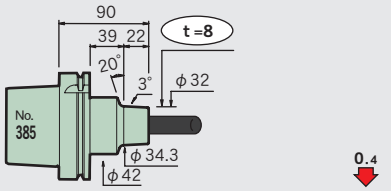
A100-SLRB16-165-M67



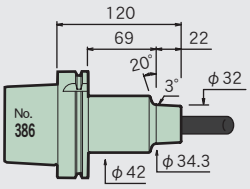
A100-SLRB16-195-M67



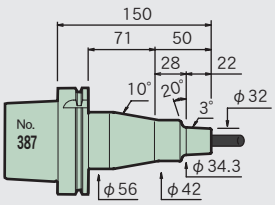
A100-SLFB16-90-M22



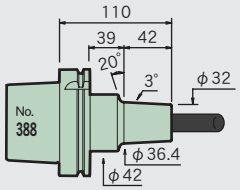
A100-SLFB16-120-M22



A100-SLFB16-150-M22



A100-SLFB16-110-M42



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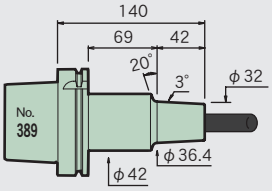

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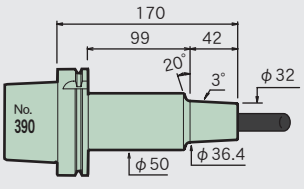
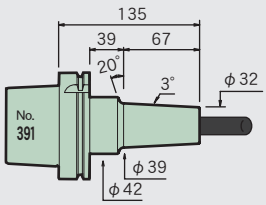


A100-SLFB16-135-M67



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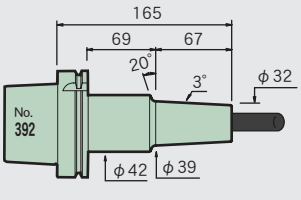

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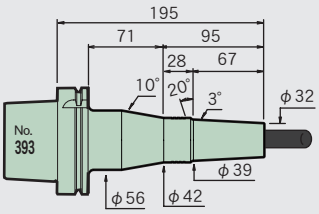
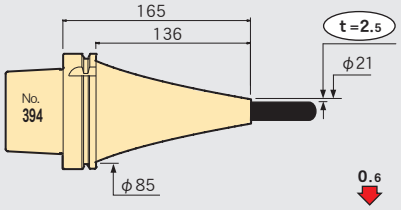
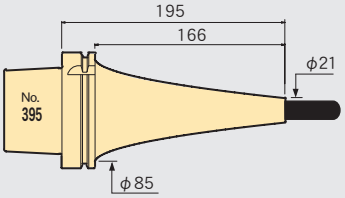


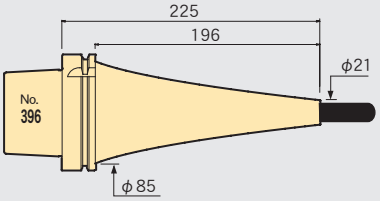
A100-SLSB16-165 CV



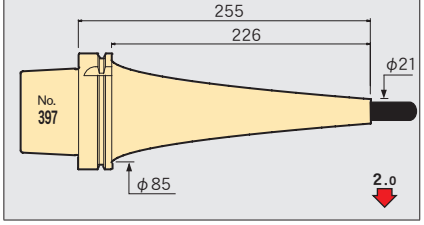
A100-SLSB16-195 CV



A100-SLSB16-225 CV



A100-SLSB16-255 CV



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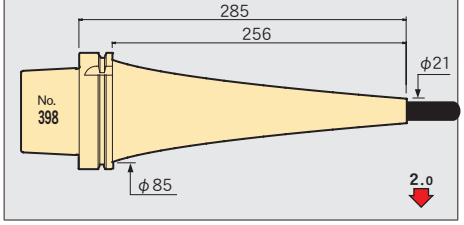
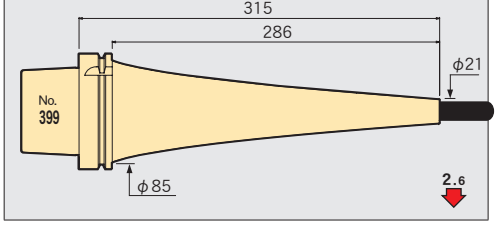


A100-SLSB16-315 CV



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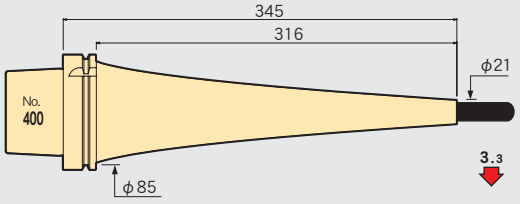
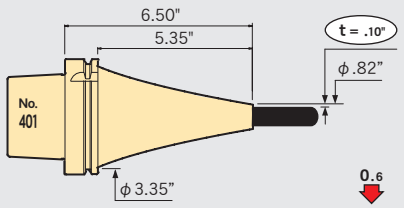


ϕ5/8

A100-SLSB5/8-165 CV



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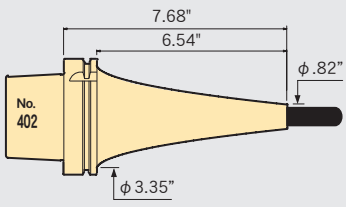
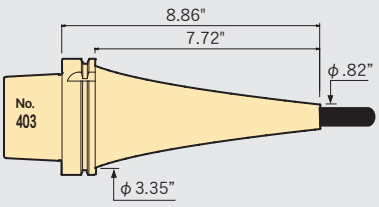
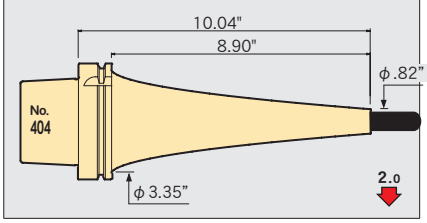


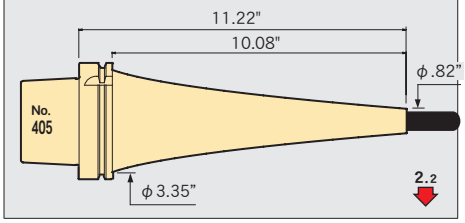
A100-SLSB5/8-225 CV



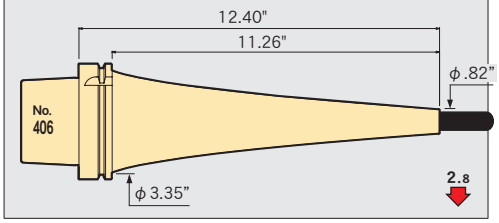
A100-SLSB5/8-255 CV



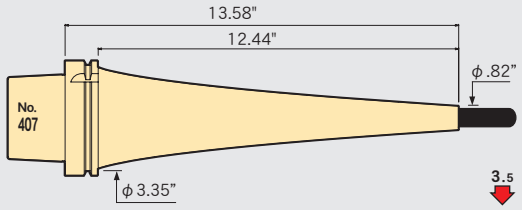
A100-SLSB5/8-285 CV



A100-SLSB5/8-315 CV



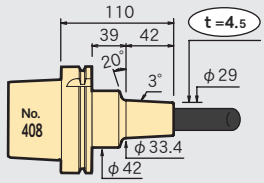
A100-SLSB5/8-345 CV



A100 S=1:7

ϕ20

A100-SLSB20-110-M42



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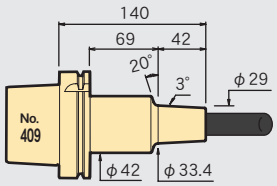

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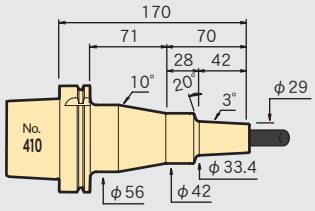
A100-SLSB20-170-M42



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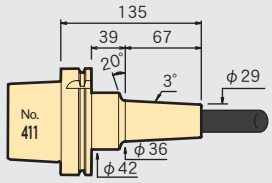
A100-SLSB20-135-M67



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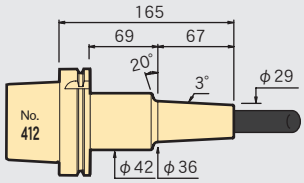
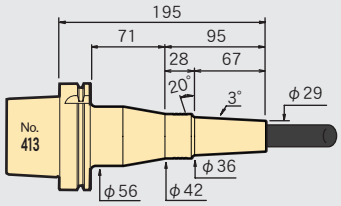
A100-SLSB20-165-M67



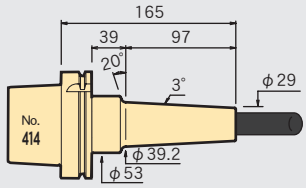
1.2

A100-SLSB20-195-M67



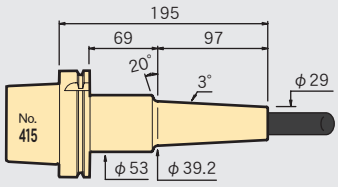
1.2

A100-SLSB20-165-M97



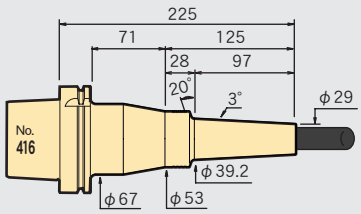
1.1

A100-SLSB20-195-M97



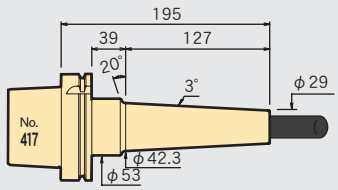
1.3

A100-SLSB20-225-M97



1.3

A100-SLSB20-195-M127



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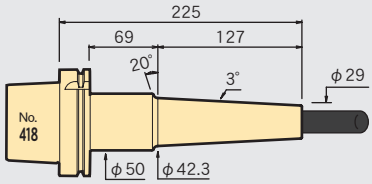
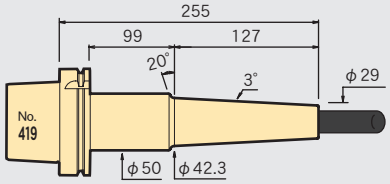
A100-SLSB20-225-M127



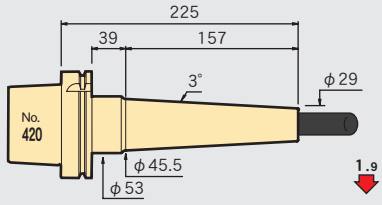
1.9

A100-SLSB20-255-M127



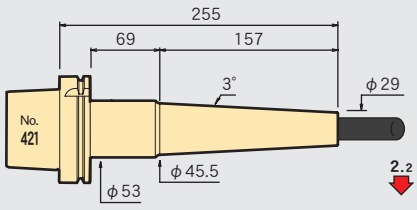
2.3

A100-SLSB20-225-M157



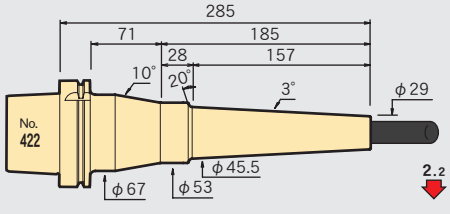
1.9

A100-SLSB20-255-M157



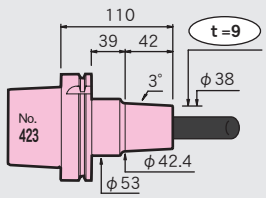
2.2

A100-SLSB20-285-M157



2.2

A100-SLRB20-110-M42



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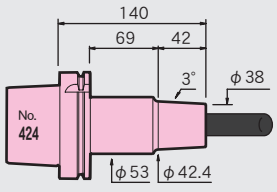
A100-SLRB20-140-M42



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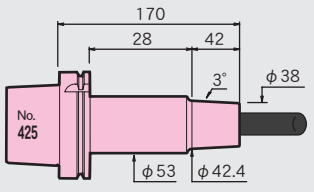
A100-SLRB20-170-M42



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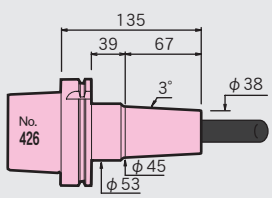
A100-SLRB20-135-M67



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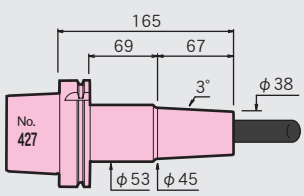

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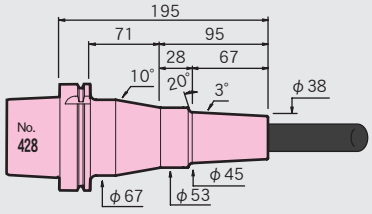

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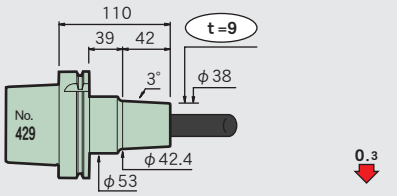
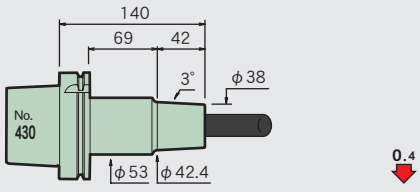


A100-SLFB20-140-M42



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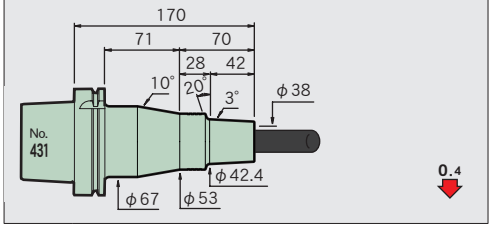

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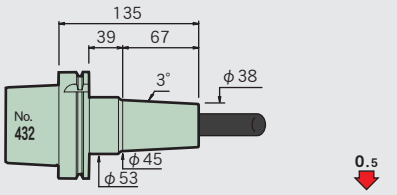

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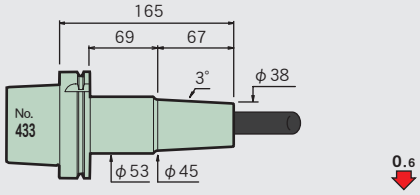

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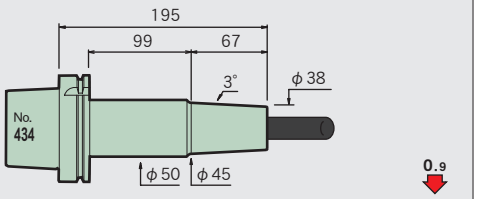

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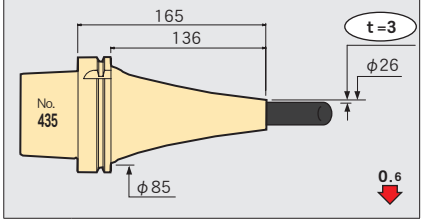

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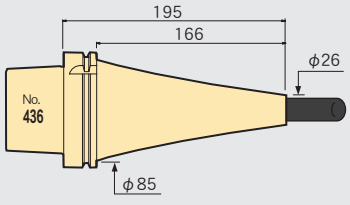

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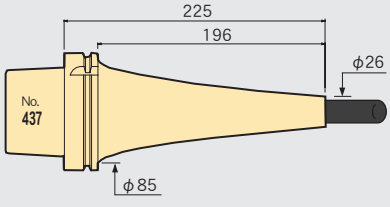

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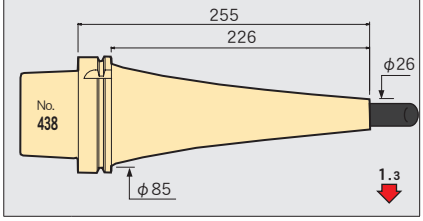

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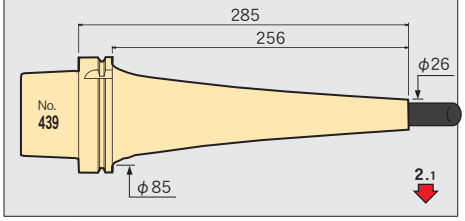

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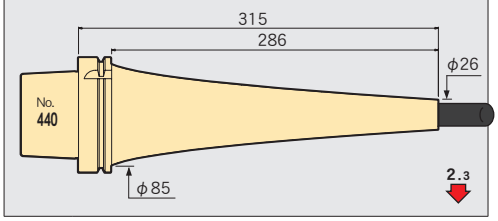

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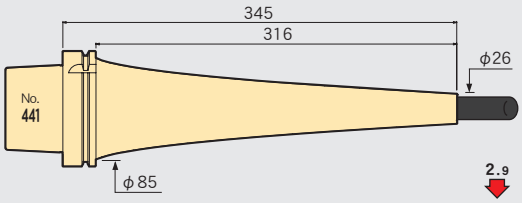
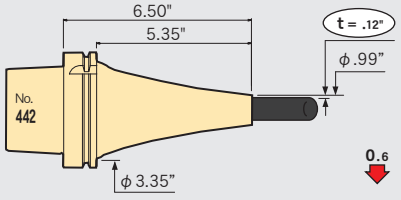


A100 S=1:7

ϕ3/4

A100-SLSB3/4-165 CV



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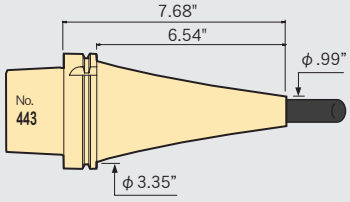

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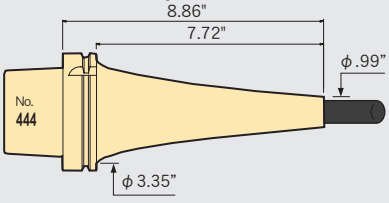

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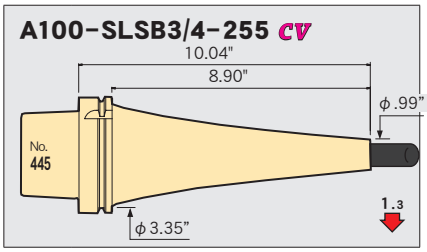

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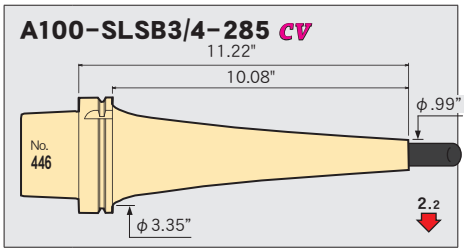

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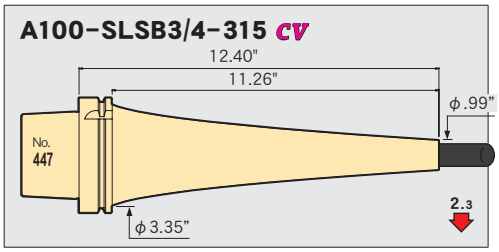

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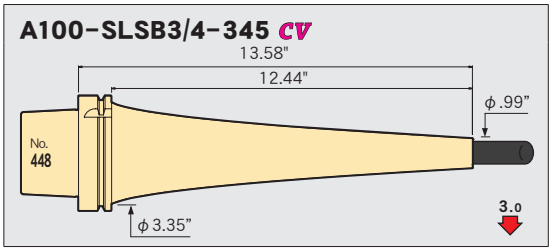
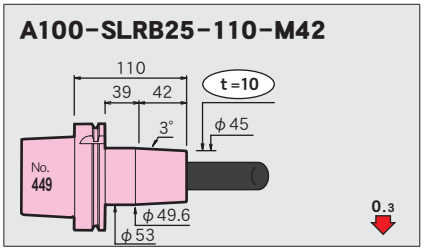


ϕ25

A100-SLRB25-110-M42



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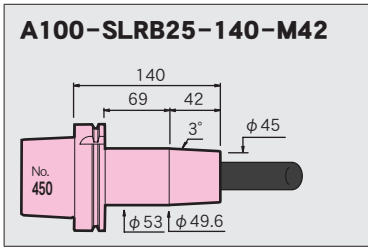
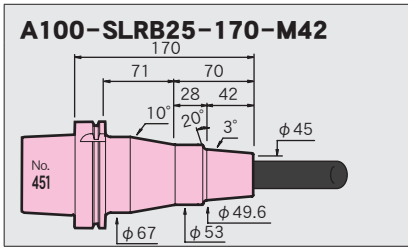


A100-SLRB25-170-M42



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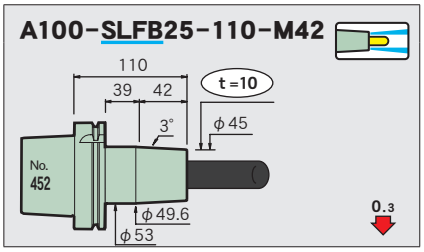

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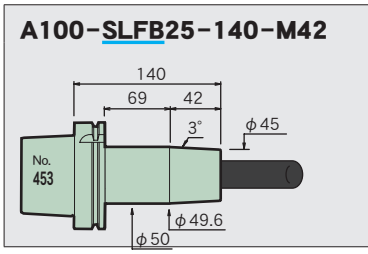

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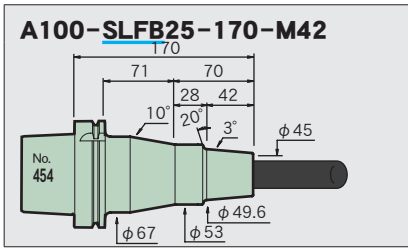
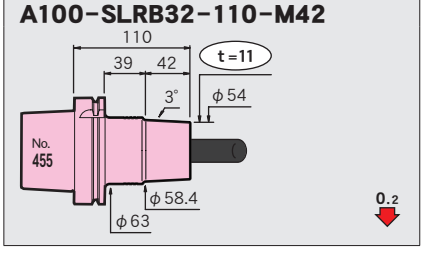


ϕ32

A100-SLRB32-110-M42



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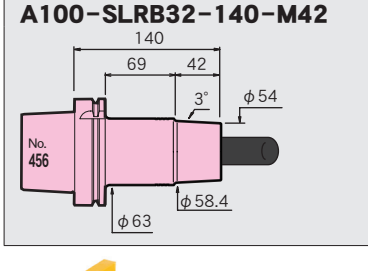

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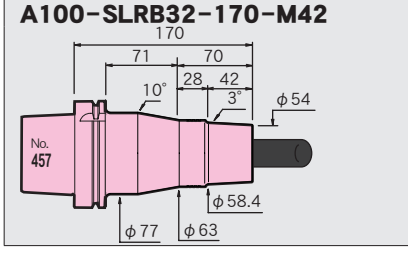
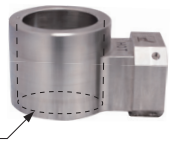
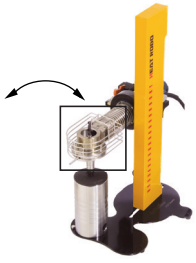


ϕ70 Nozzle (HRB-03S)

Required for shrinking the SLRB32.

CODE
HRB-NZL70

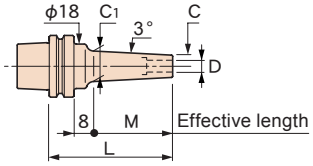




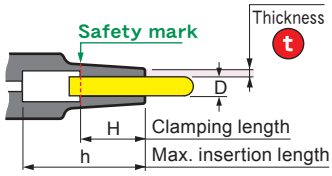
HEAT ROBO Baby3000S

E25

MONO 3°



■Caution
- The coolant duct is not sold with a holder. Consult us if you need it.
- Setting cutters···Be sure to insert the tool beyond the safety mark.



Thickness

CODE	ϕD	ϕC	t	L	M	L1	ϕC1	H	h	Kg	N	S	Scale model
E25-SLSA3-35	3	6	1.5	35	17	8	7.8	9	29	0.06	0.37	3.6	1
-50				50	32		9.4		44		0.39	7	2
-SLRA3-35		7.5	2.25	35	17		9.3		29		0.37	2.3	3
E25-SLSA3.175-35	3.175	6.175	1.5	35	17	8	8	9	29	0.06	0.37	3.5	4
-50				50	32		9.6		44		0.39	6.6	5
E25-SLSA4-35	4	7	1.5	35	17	8	8.8	12	29	0.06	0.38	2.8	6
-50				50	32		10.4		44		0.4	5.3	7
-SLRA4-35		10	3	35	17		11.8		29		0.38	1.4	8
E25-SLSA5-35	5	8	1.5	35	17	8	9.8	15	26	0.06	0.38	2.2	9
E25-SLSA6-35	6	9	1.5	35	17	8	10.8	18	26	0.05	0.38	1.8	10
-50				50	32		12.4		39	0.07	0.43	3.6	11
-SLRA6-35		12	3	35	17		13.8		26		0.39	1.1	12

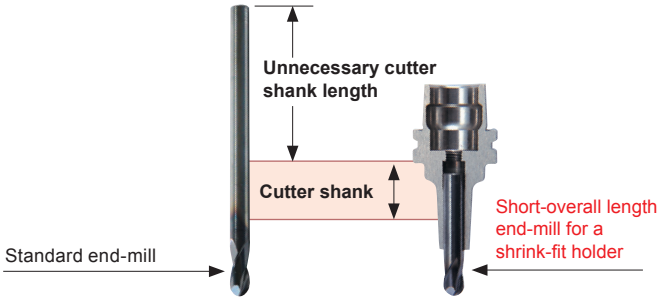
A short carbide end-mill for the shrink-fit holder

The shrink-fit holder doesn't need standard length cutting tools, because it has shorter insertion length.

A short end-mill for the shrink-fit holder P.262

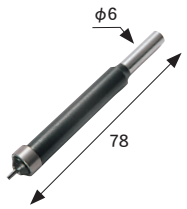
Short shank → The shortest cutter projection

Short cutting flute → Increase rigidity



Centering bar

To identify workpiece datum position



CODE
ST6—CEB102

Cleaning tool

Use when cleaning the machine spindle taper. Replaceable leather strip.

CODE
SCT—E25

■ Std. Access. ●Spare leather set

Measuring instrument tool holder

Use when centering a workpiece. The spring collet (C10-6-P) and the centering bar (ST6-CEB102) are required and sold separately. Fasten nuts by hand.

CODE
E25—CEH10—37

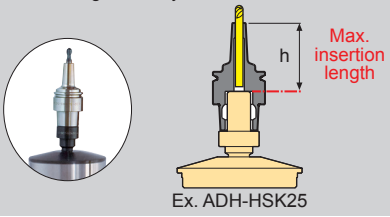
■ Caution ●Not usable for machining.

Holder stand

P.13

⚠ Be aware of max. insertion length (h)!

If you insert cutter beyond the max. insertion length (h), the machine spindle might not be able to clamp the holder properly and thus damage the spindle. Please use our exclusive adapter to recognize the max. insertion length when you shrink-fit.

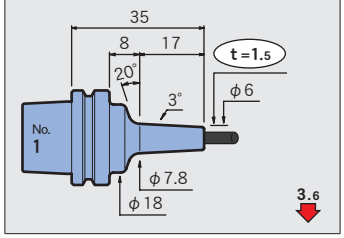


SODICK	UH430L/UH650L TT1-400A/OPM250L
MITSUI SEIKI	VL30
ROKU-ROKU	MEGA-SS Series Android

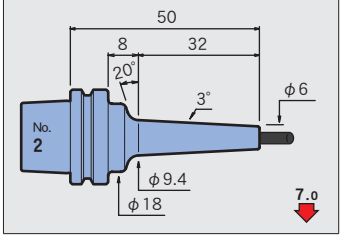
E25 **S=1:2**

ϕ3

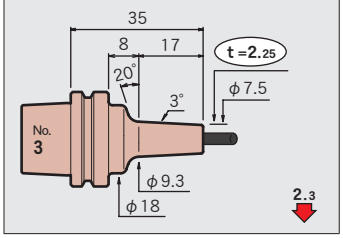
E25-SLSA3-35



E25-SLSA3-50

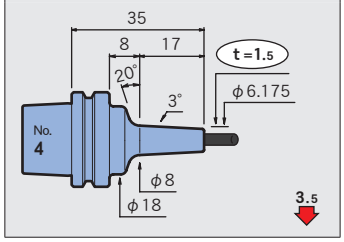


E25-SLRA3-35

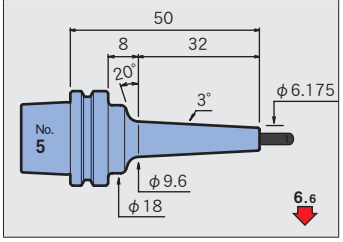


ϕ3.175

E25-SLSA3.175-35

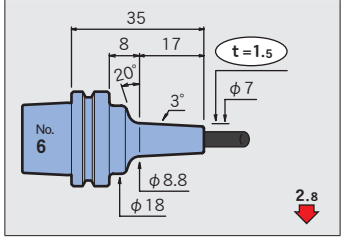


E25-SLSA3.175-50

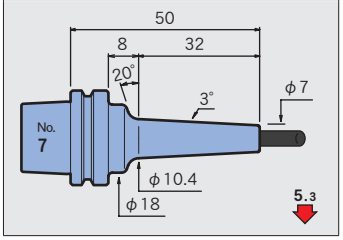


ϕ4

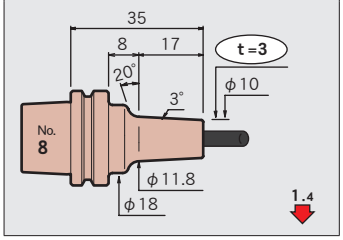
E25-SLSA4-35



E25-SLSA4-50

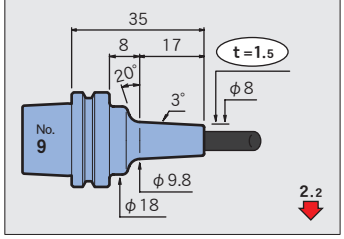


E25-SLRA4-35



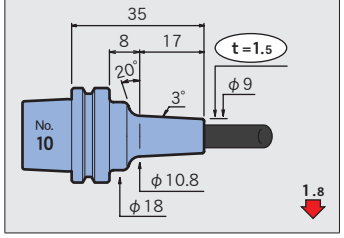
ϕ5

E25-SLSA5-35



ϕ6

E25-SLSA6-35



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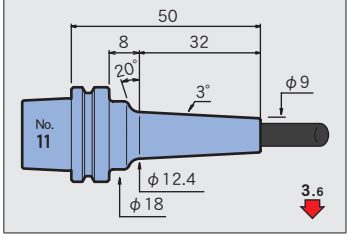

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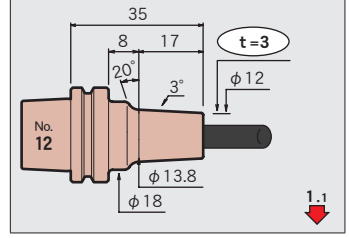


MONO 3°

E32-SLRA4-50-M22

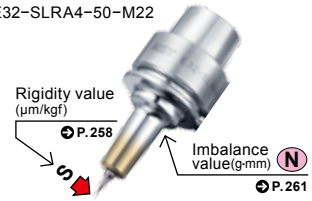


Fig. 1

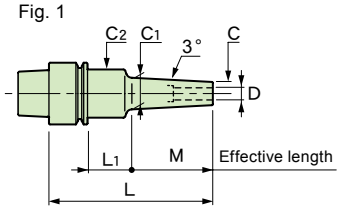
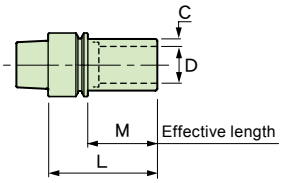


Fig. 2



MONO CURVE

E32-SLSA4-90 cv

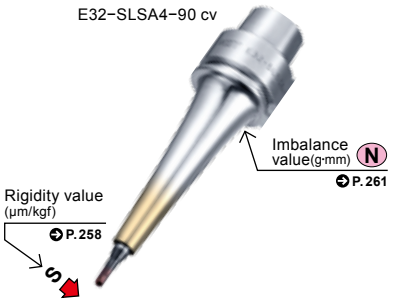
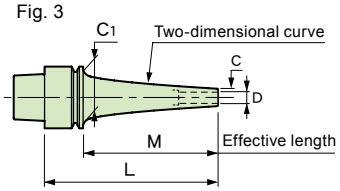
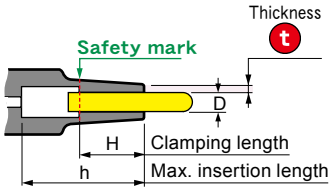


Fig. 3



■Caution

- The coolant duct is not sold with a holder. Consult us if you need it.
- Setting cutters···Be sure to insert the tool beyond the safety mark.



CV: Curve

Thickness

CODE	Fig.	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg lbs	N	S	Scale model
E32-SLSA3-50-M22	1	3	6	1.5	50	22	8	8.3	20	9	42	0.1	0.4	4.7	1
-70-M42					70	42		10.4			62	0.2		9.5	2
-85-M42					85		23		25		77		0.8	9.4	3
-SLRA3-50-M22	1	3	7.5	2.25	50	22	8	9.8	20	9	42	0.1	0.4	2.8	4
-70-M42					70	42		11.9			62	0.2		5.3	5
-85-M42					85		23		25		77		0.8	5.5	6
E32-SLSA3.175-50-M22	1	3.175	6.175	1.5	50	22	8	8.5	20	9	42	0.1	0.4	4.4	7
E32-SLSA4-50-M22	1	4	7	1.5	50	22	8	9.3	20	12	42	0.1	0.4	3.6	8
-70-M42					70	42		11.4			62	0.2		7.3	9
-85-M42					85		23		25		77		0.8	7.4	10
-SLRA4-50-M22	1	4	10	3	50	22	8	12.3	20	12	42	0.2	0.4	1.7	11
-70-M42					70	42		14.4			62		0.5	3.1	12
-85-M42					85		23		25		77		0.9	3.2	13
-SLSA4-60 CV	3	4	7	1.5	60	40	—	26	—	12	43	0.2	0.6	2.4	14
-90 CV					90	70					73		0.8	6.1	15
E32-SLSA3/16-60 CV	3	3/16	.31	.06	2.37	1.58	—	1.02	—	.59	1.69	0.4	0.6	2.4	16
-90 CV					3.55	2.76					2.87	0.5	0.8	2.2	17
E32-SLSA6-70-M42	1	6	9	1.5	70	42	8	13.4	20	18	62	0.2	0.5	4.8	18
-SLRA6-50-M22	1	6	12	3	50	22	8	14.3	26	18	39	0.2	0.5	1.2	19
-70-M42					70	42		16.4			62			2.4	20
-85-M42					85		23		25		77		0.9	2.5	21
-SLSA6-60 CV	3	6	9	1.5	60	40	—	26	—	18	43	0.2	0.7	1.9	22
-90 CV					90	70					73		0.9	4.9	23
E32-SLSA1/4-60 CV	3	1/4	.37	.06	2.37	1.58	—	1.02	—	.71	1.69	0.4	0.7	1.9	24
-90 CV					3.55	2.76					2.87	0.5	0.9	4.9	25
E32-SLRA8-50-M22	1	8	14	3	50	22	8	16.3	26	24	39	0.2	0.5	1	26
-85-M42					85	42	23	18.4	25		48		0.9	2.1	27
-SLSA8-60 CV	3	8	11	1.5	60	40	—	26	—	24	38	0.2	0.7	1.6	28
-90 CV					90	70							1	4	29

CODE	Fig.	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg lbs	N	S	Scale model
E32-SLSA5/16-60 CV	3	5/16	.43	.06	2.37	1.58	—	1.02	—	.94	1.89	0.4	0.7	1.6	30
-90 CV					3.55	2.76					2.36	0.5	1	4	31
E32-SLRA10-55-M22	1	10	16	3	55	22	13	18.3	26	25	44	0.2	0.6	0.9	32
-SLSA10-60 CV	3	10	13	1.5	60	40	—	26	—	30	48	0.2	0.8	1.4	33
-90 CV					90	70					60		1.1	3.5	34
E32-SLSA3/8-60 CV	3	3/8	.49	.06	2.37	1.58	—	1.02	—	1.18	1.89	0.4	0.8	1.4	35
-90 CV					3.55	2.76					2.36	0.5	1.1	3.5	36
E32-SLRA12-55-M22	1	12	20	4	55	22	13	22.3	26	30	44	0.2	0.7	0.7	37
E32-SLRA16-55-M35	2	16	26	5	55	35	—	—	—	32	44	0.2	0.6	0.7	38

Cleaning tool

Use when cleaning the machine spindle taper.
Replaceable leather strip.

CODE
SCT—E32

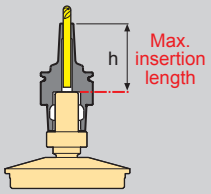
■ Std. Access. •Spare leather set

Holder stand

P.13

⚠ Be aware of max. insertion length (h)!

If you insert cutter beyond the max. insertion length (h), the machine spindle might not be able to clamp the holder properly and thus damage the spindle. Please use our exclusive adapter to recognize the max. insertion length when you shrink-fit.

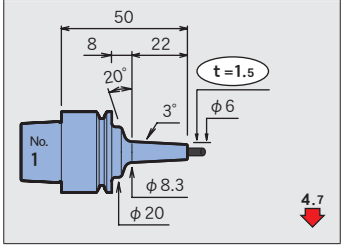


Ex. ADH-HSK32

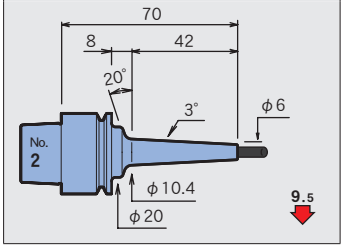
SUGINO	Xion-Ⅲ、Xion-Ⅱ-5AX
SODICK	UH430L、UH650L
DMG MORI	HSC 20 linear
MAKINO	V22、V33*i*、iQ300
MITSUI SEIKI	VL30
MITSUBISHI	μV1
YASDA	YMC430

ϕ3

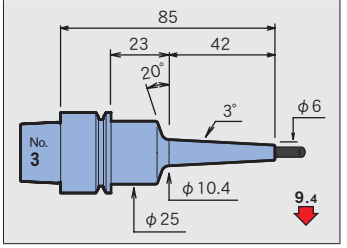
E32-SLSA3-50-M22



E32-SLSA3-70-M42



E32-SLSA3-85-M42



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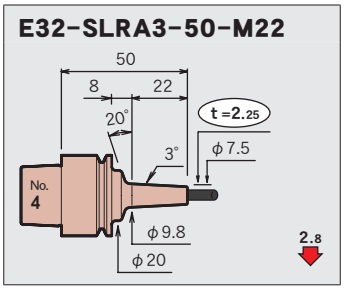

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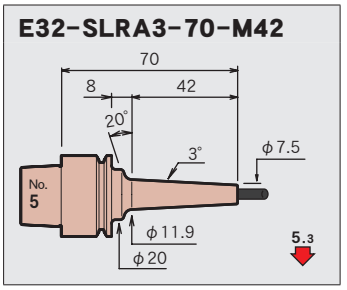

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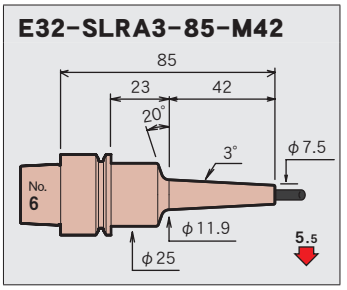
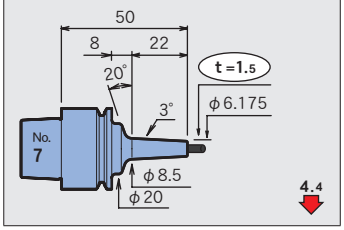


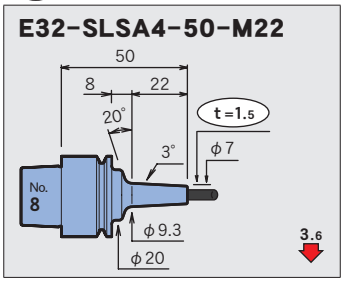
ϕ3.175

E32-SLSA3.175-50-M22



ϕ4

E32-SLSA4-50-M22



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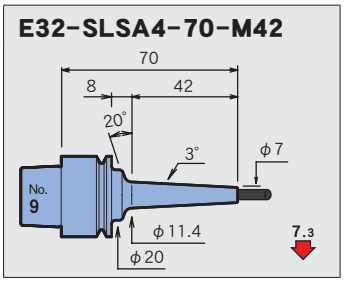

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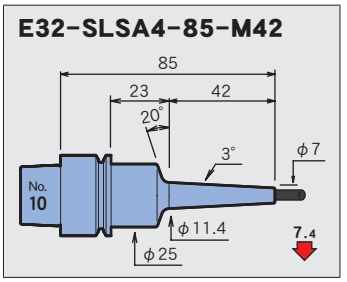

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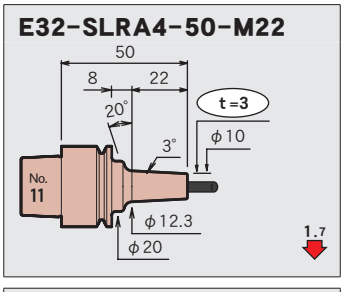

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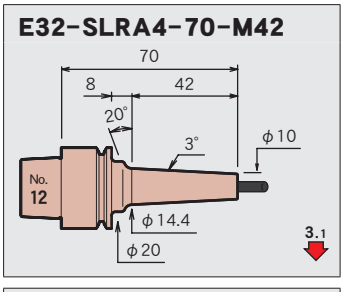

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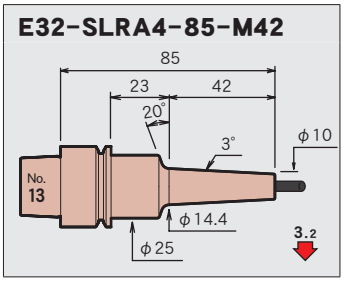
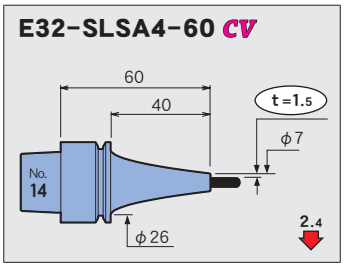
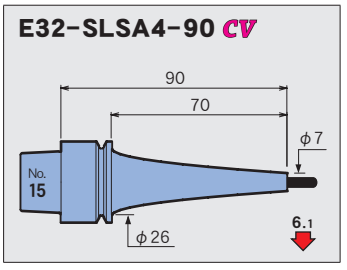


E32-SLSA4-60 CV



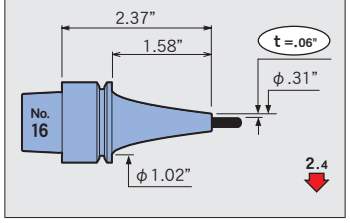
E32-SLSA4-90 CV



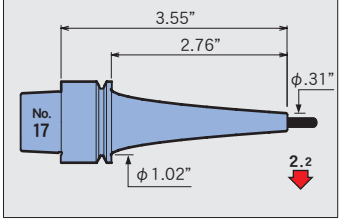
E32 S=1:3

ϕ3/16

E32-SLSA3/16-60 CV

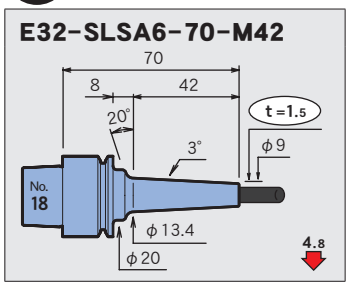


E32-SLSA3/16-90 CV



ϕ6

E32-SLSA6-70-M42



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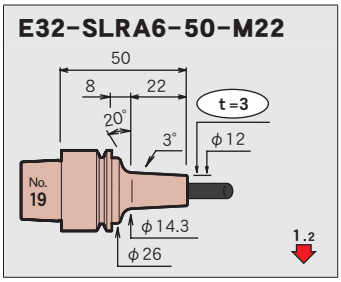

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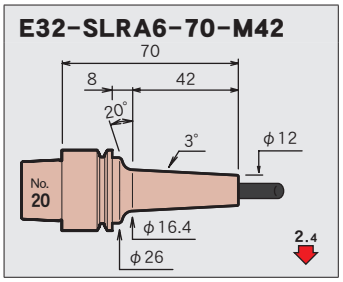

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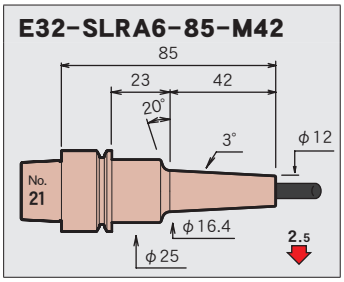
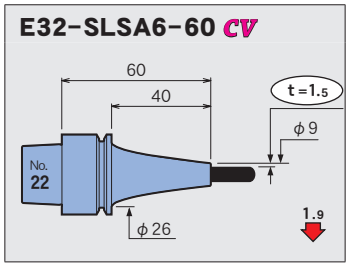
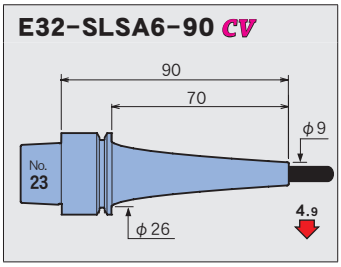


E32-SLSA6-60 CV

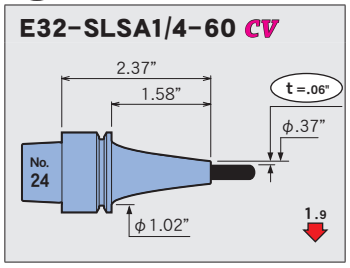


E32-SLSA6-90 CV

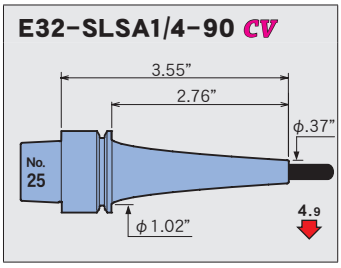


ϕ1/4

E32-SLSA1/4-60 CV

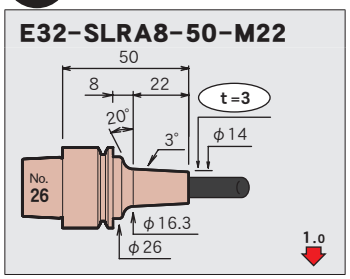


E32-SLSA1/4-90 CV

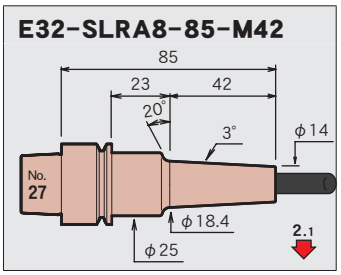


ϕ8

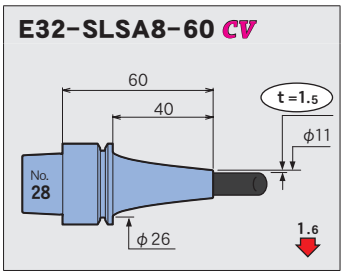
E32-SLRA8-50-M22



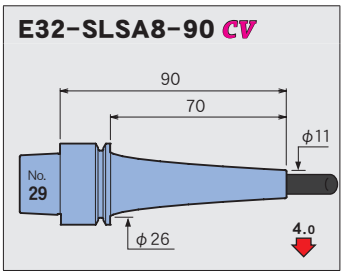
E32-SLRA8-85-M42



E32-SLSA8-60 CV

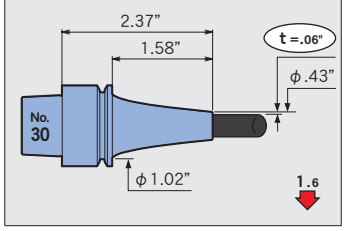


E32-SLSA8-90 CV

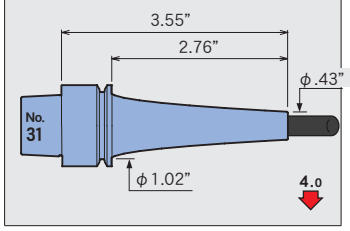


ϕ5/16

E32-SLSA5/16-60 CV

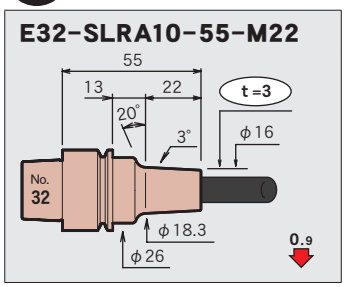


E32-SLSA5/16-90 CV

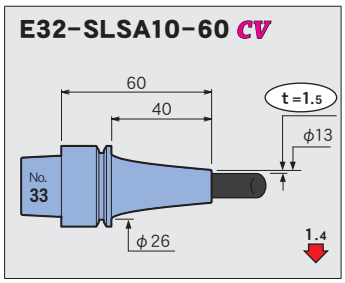


ϕ10

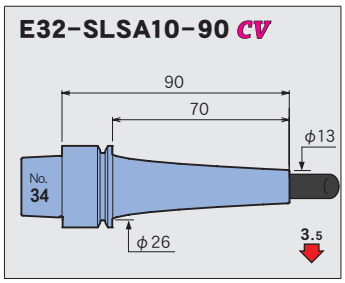
E32-SLRA10-55-M22



E32-SLSA10-60 CV

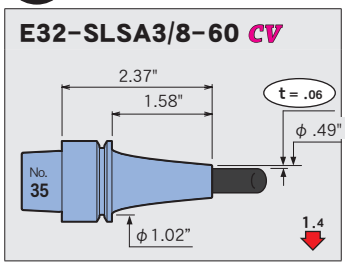


E32-SLSA10-90 CV



ϕ3/8

E32-SLSA3/8-60 CV



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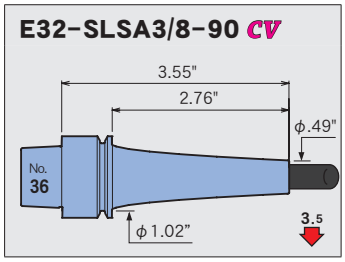
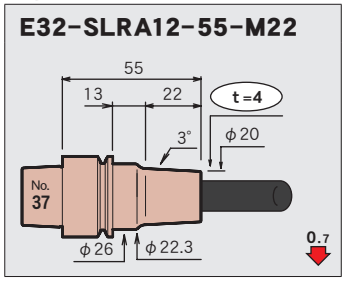


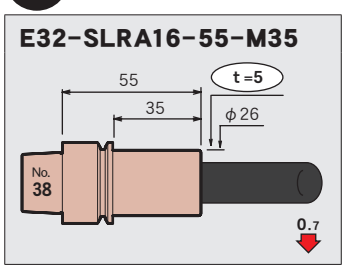
ϕ12

E32-SLRA12-55-M22



ϕ16

E32-SLRA16-55-M35



E40

MONO 3°

E40-SLRA10-55-M22

Fig. 1

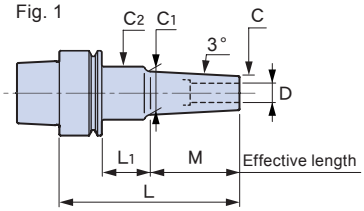
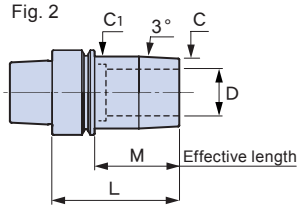


Fig. 2



MONO CURVE

E40-SLRA6-90 cv

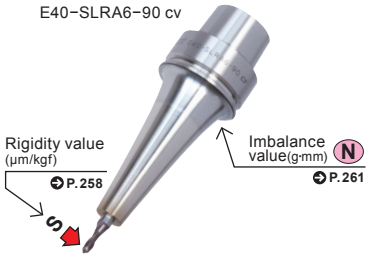
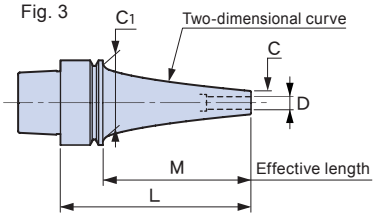
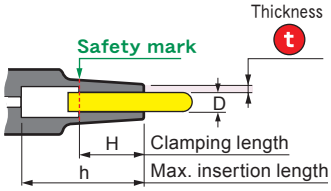


Fig. 3



■**Caution**

- The coolant duct is not sold with a holder. Consult us if you need it.
- Setting cutters···Be sure to insert the tool beyond the safety mark.



CV : Curve

Thickness

CODE	Fig.	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg lbs	N	S	Scale model
E40-SLSA3- 50-M22	1	3	6	1.5	50	22	8	8.3	20	9	42	0.2	0.7	4.6	1
- 70-M42					70	42		10.4			62			9.4	2
- 85-M42					85		23		25		69	0.3	1.1	9.3	3
-110-M67					110	67		13			94		2.2	15	4
-SLRA3- 50-M22	1	3	7.5	2.25	50	22	8	9.8	20	9	42	0.2	0.7	2.8	5
- 70-M42					70	42		11.9			62			5.3	6
- 85-M42					85		23		25		69	0.3	1.1	5.4	7
-110-M67					110	67		14.5			94			9	8
E40-SLSA3.175-50-M22	1	3.175	6.175	1.5	50	22	8	8.5	20	9	42	0.2	0.7	4.4	9
E40-SLSA4- 50-M22	1	4	7	1.5	50	22	8	9.3	20	12	42	0.2	0.7	3.6	10
- 70-M42					70	42		11.4			62			7.2	11
- 85-M42					85		23		25		74	0.3	1.1	7.3	12
-110-M67					110	67		14			99		1.2	11.9	13
-SLRA4- 50-M22	1	4	10	3	50	22	8	12.3	20	12	42	0.2	0.7	1.6	14
- 70-M42					70	42		14.4			62	0.3		3	15
- 85-M42					85		23		25		69		1.1	3.1	16
-110-M67					110	67		17			94		1.2	5.2	17
-SLSA4- 90 CV	3	4	7	1.5	90	70	—	34	—	12	74	0.3	1.5	2.9	18
-120 CV					120	100					104	0.4	1.8	6.5	19
-150 CV					150	130					134	0.5	2.4	8.6	20
-SLRA4- 90 CV	3	4	10	3	90	70	—	34	—	12	74	0.4	1.6	2	21
-120 CV					120	100					104		1.9	4.2	22
E40-SLSA3/16- 90 CV	3	3/16	.31	.06	3.55	2.76	—	1.34	—	0.59	2.91	0.8	1.7	2.9	23
-120 CV					4.73	3.94					4.09		1.9	6.5	24
-150 CV					5.91	5.12					5.28	1.1	2.6	8.6	25
-SLRA3/16- 90 CV	3	3/16	.42	.12	3.55	2.76	—	1.34	—	0.59	2.91	0.8	1.7	2	26
-120 CV					4.73	3.94					4.09	0.9	2	4.2	27
E40-SLSA6- 50-M22	1	6	9	1.5	50	22	8	11.3	20	18	39	0.2	0.7	2.2	28
- 70-M42					70	42		13.4			54			4.7	29
- 85-M42					85		23		25		69	0.3	1.1	4.9	30
-110-M67					110	67		16			94		1.2	8	31

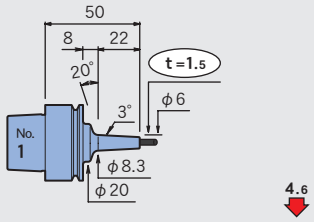
CODE	Fig.	ϕD	ϕC	t	L	M	L1	ϕC1	ϕC2	H	h	Kg lbs	N	S	Scale model
E40-SLRA6- 50-M22	1	6	12	3	50	22	8	14.3	26	18	39	0.2	0.7	1.2	32
- 70-M42					70	42		16.4			54	0.3	0.8	2.3	33
- 85-M42					85		23		25		69		1.2	2.5	34
-110-M67					110	67		19			94	0.4		4.1	35
-SLSA6- 90 CV	3	6	9	1.5	90	70	—	34	—	18	74	0.3	1.6	2.5	36
-120 CV					120	100					104	0.4	1.9	5.6	37
-150 CV					150	130					134	0.5	2.5	7.7	38
-SLRA6- 90 CV	3	6	13	3.5	90	70	—	34	—	18	74	0.4	1.7	1.7	39
-120 CV					120	100					104	0.5	2.4	2.6	40
E40-SLSA1/4- 90 CV	3	1/4	.37	.06	3.55	2.76	—	1.34	—	0.71	2.91	0.8	1.7	2.5	41
-120 CV					4.73	3.94					4.09	0.9	2	5.6	42
-150 CV					5.91	5.12					5.28	1.1	2.6	7.7	43
-SLRA1/4- 90 CV	3	1/4	.53	.14	3.55	2.76	—	1.34	—	0.71	2.91	0.8	1.8	1.7	44
-120 CV					4.73	3.94					4.09	1.0	2.5	2.6	45
E40-SLSA8- 60-M22	1	8	11	1.5	60	22	18	13.3	26	24	49	0.3	1	1.5	46
- 80-M42					80	42		15.4			64			3.3	47
-100-M42					100		38		25		84		1.5	3.8	48
-SLRA8- 50-M22	1	8	14	3	50	22	8	16.3	26	20	39	0.2	0.7	0.9	49
- 85-M42					85	42	23	18.4	25	24	69	0.3	1.2	2.1	50
-100-M42					100		38				84	0.4	1.5	2.4	51
-SLSA8- 90 CV	3	8	11	1.5	90	70	—	34	—	24	74	0.3	1.7	2.2	52
-120 CV					120	100					104	0.4	2	3.4	53
-150 CV					150	130					134	0.5	3	5.1	54
-SLRA8- 90 CV	3	8	16	4	90	70	—	34	—	24	74	0.4	1.8	1.6	55
-120 CV					120	100					104	0.5	2.5	2.4	56
E40-SLSA5/16- 90 CV	3	5/16	.43	.06	3.55	2.76	—	1.34	—	0.94	2.91	0.8	1.7	2.2	57
-120 CV					4.73	3.94					4.09	0.9	2.1	3.4	58
-150 CV					5.91	5.12					5.28	1.1	2.8	5.1	59
-SLRA5/16- 90 CV	3	5/16	.63	.16	3.55	2.76	—	1.34	—	0.94	2.91	0.9	2.2	1.6	60
-120 CV					4.73	3.94					4.09	1.1	2.6	2.4	61
E40-SLSA10- 60-M22	1	10	13	1.5	60	22	18	15.3	26	30	49	0.3	1	1.2	62
- 80-M42					80	42		17.4			64		1.1	2.4	63
-100-M42					100		38		25		89		1.5	3.1	64
-SLRA10- 55-M22	1	10	16	3	55	22	13	18.3	26	25	44	0.3	0.9	0.8	65
- 85-M42					85	42	23	20.4	25	30	64		1.2	1.7	66
-100-M42					100		38					0.4	1.6	2.2	67
-SLSA10- 90 CV	3	10	13	1.5	90	70	—	34	—	30	74	0.3	1.7	2	68
-120 CV					120	100					104	0.4	2.4	3.2	69
-150 CV					150	130					134	0.5	3.1	5	70
-SLRA10- 90 CV	3	10	19	4.5	90	70	—	34	—	30	74	0.4	2.1	1.1	71
-120 CV					120	100					104	0.5	2.9	2	72
E40-SLSA3/8- 90 CV	3	3/8	.49	.06	3.55	2.76	—	1.34	—	1.18	2.91	0.8	1.8	2	73
-120 CV					4.73	3.94					4.09	1.0	2.5	3.2	74
-150 CV					5.91	5.12					5.28	1.2	3.2	5	75
-SLRA3/8- 90 CV	3	3/8	.73	.185	3.55	2.76	—	1.34	—	1.18	2.91	0.9	2.3	1.1	76
-120 CV					4.73	3.94					4.09	1.2	3	2	77
E40-SLRA12- 55-M22	1	12	20	4	55	22	13	22.3	26	25	44	0.3	1	0.6	78
- 85-M42					85	42	23	24.4	32	30	74	0.4	1.6	1.1	79
E40-SLRA16- 55-M22	1	16	26	5	55	22	13	28.3	34	32	44	0.3	1.2	0.4	80
E40-SLRA20- 60-M40	2	20	32	6	60	40	—	34	—	38	49	0.4	1.6	0.4	81

OKK	GR400
DMG MORI	HSC 30 linear
MITSUI SEIKI	VL30
ROKU-ROKU	CEGA-SS Series

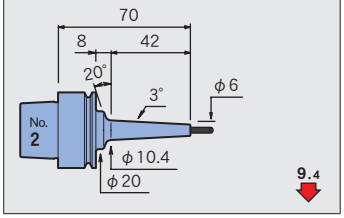
E40 S=1:4

φ3

E40-SLSA3-50-M22



E40-SLSA3-70-M42



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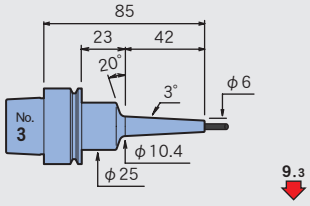

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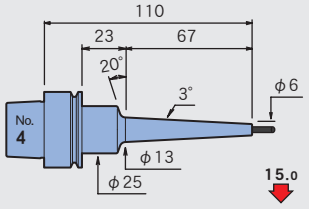

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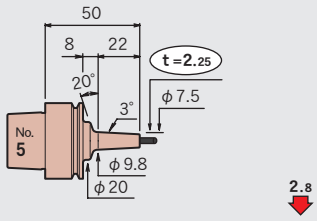

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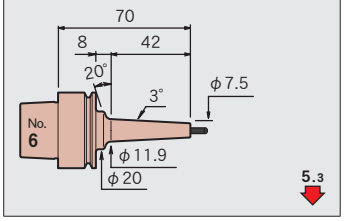

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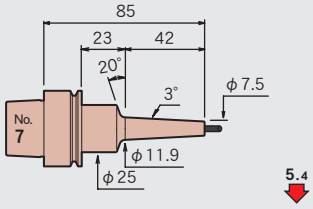

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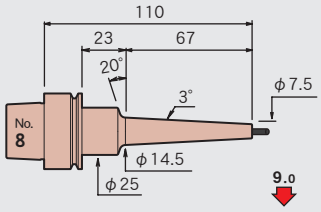
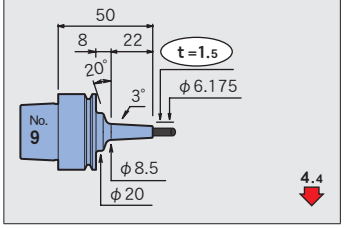


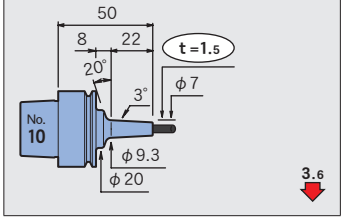
φ3.175

E40-SLSA3.175-50-M22

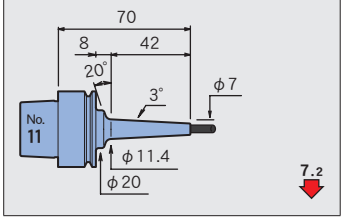


φ4

E40-SLSA4-50-M22



E40-SLSA4-70-M42



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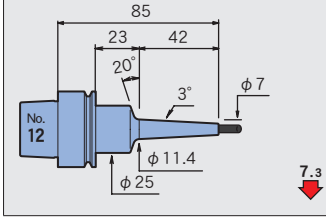

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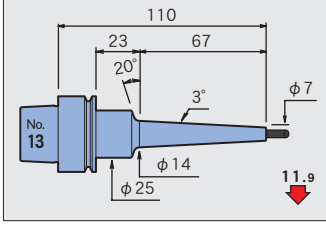

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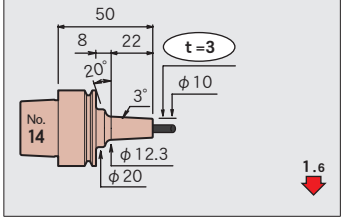

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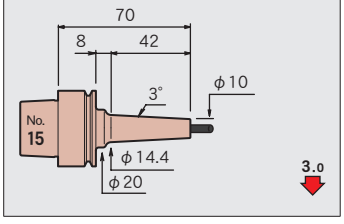

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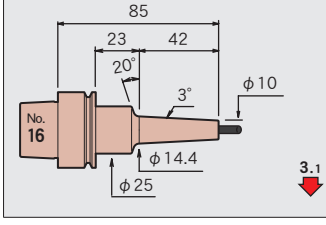

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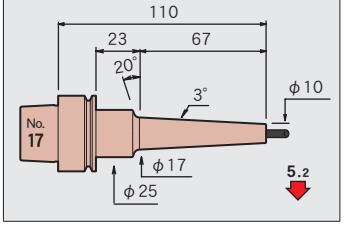
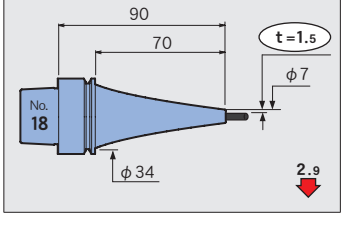
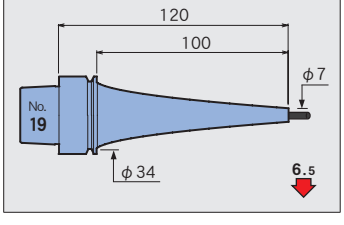


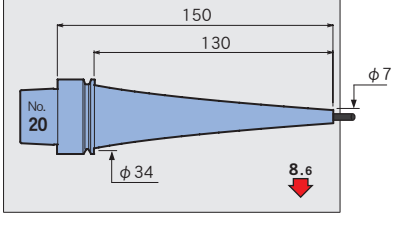
E40-SLSA4-90 CV



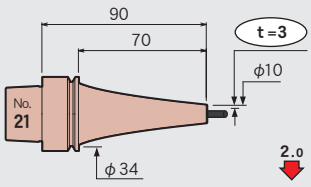
E40-SLSA4-120 CV



E40-SLSA4-150 CV



E40-SLRA4-90 CV



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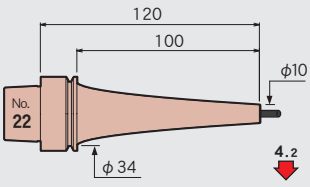
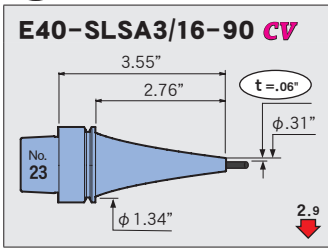
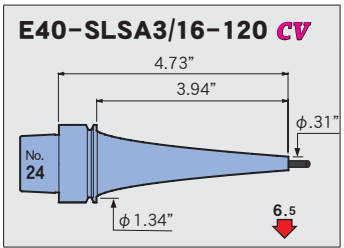


ϕ3/16

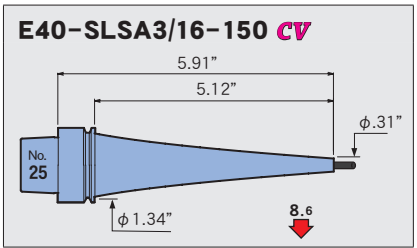
E40-SLSA3/16-90 CV



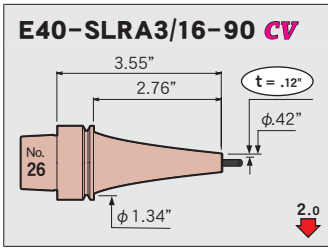
E40-SLSA3/16-120 CV



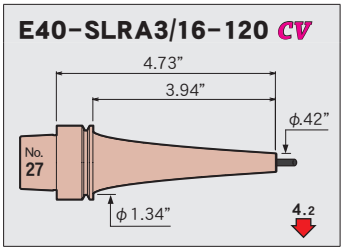
E40-SLSA3/16-150 CV



E40-SLRA3/16-90 CV

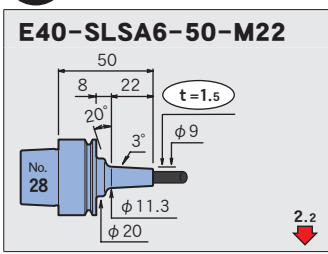


E40-SLRA3/16-120 CV

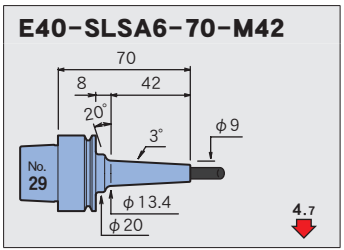


ϕ6

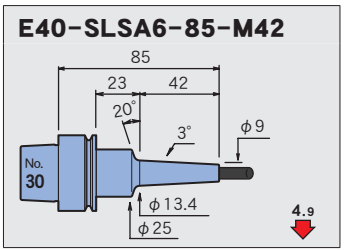
E40-SLSA6-50-M22



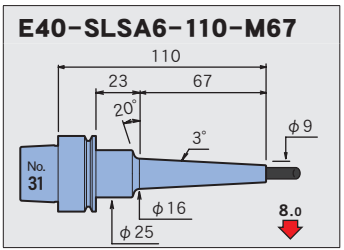
E40-SLSA6-70-M42



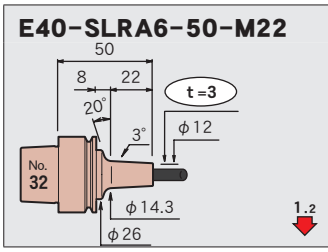
E40-SLSA6-85-M42



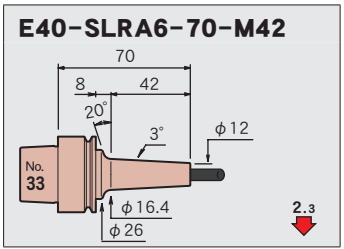
E40-SLSA6-110-M67



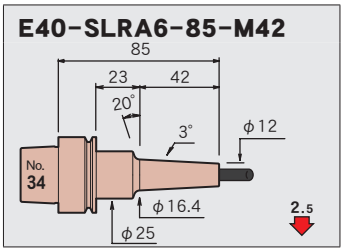
E40-SLRA6-50-M22



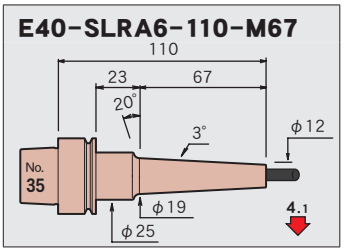
E40-SLRA6-70-M42



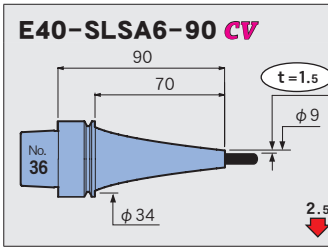
E40-SLRA6-85-M42



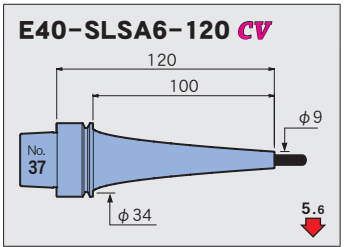
E40-SLRA6-110-M67



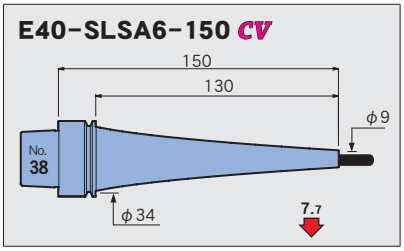
E40-SLSA6-90 CV



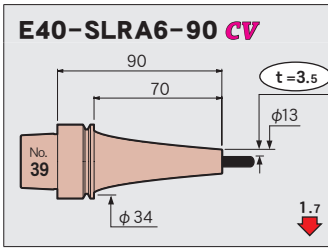
E40-SLSA6-120 CV



E40-SLSA6-150 CV



E40-SLRA6-90 CV



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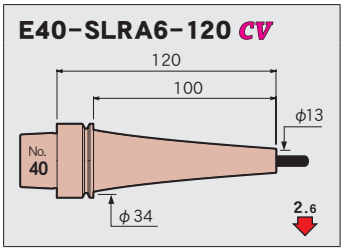
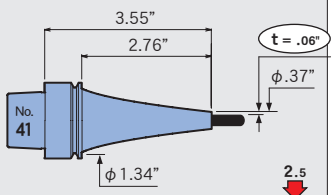


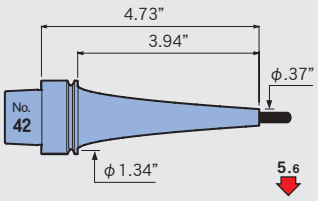
E40 S=1:4

ϕ1/4

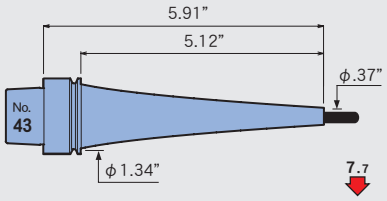
E40-SLSA1/4-90 CV



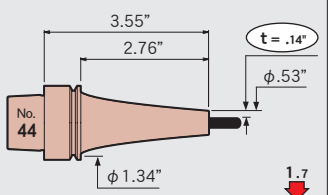
E40-SLSA1/4-120 CV



E40-SLSA1/4-150 CV



E40-SLRA1/4-90 CV



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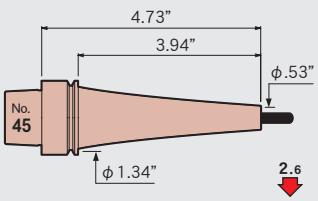
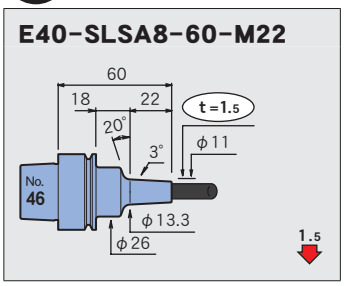
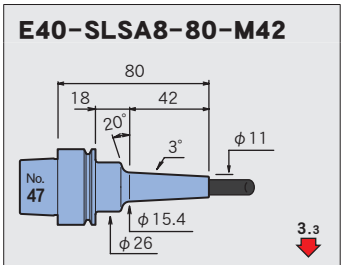


ϕ8

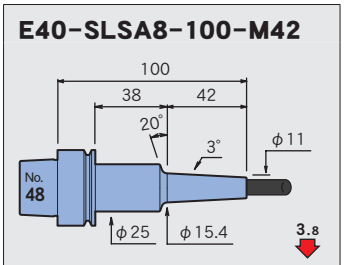
E40-SLSA8-60-M22



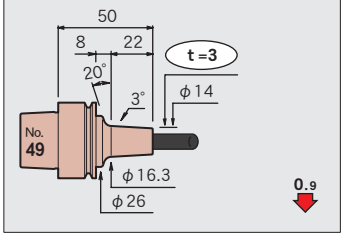
E40-SLSA8-80-M42



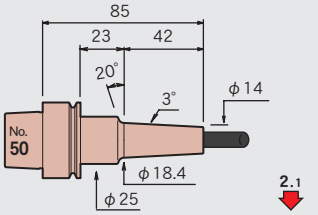
E40-SLSA8-100-M42



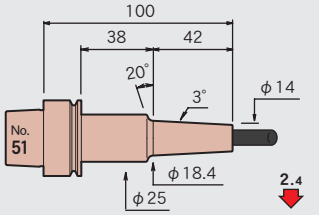
E40-SLRA8-50-M22



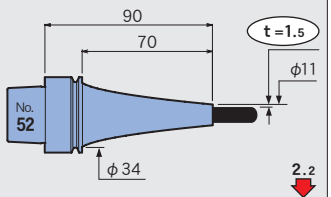
E40-SLRA8-85-M42



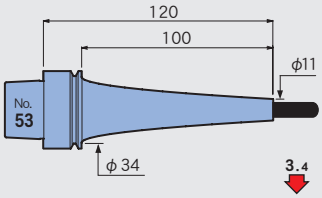
E40-SLRA8-100-M42



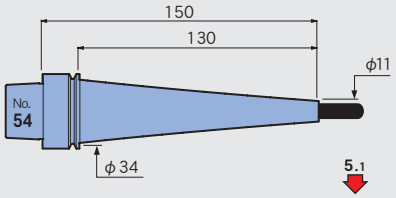
E40-SLSA8-90 CV



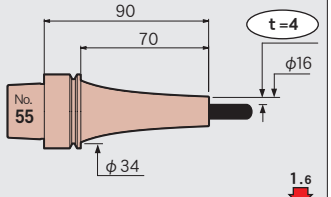
E40-SLSA8-120 CV



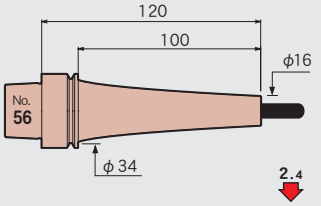
E40-SLSA8-150 CV



E40-SLRA8-90 CV

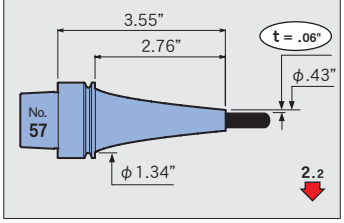


E40-SLRA8-120 CV

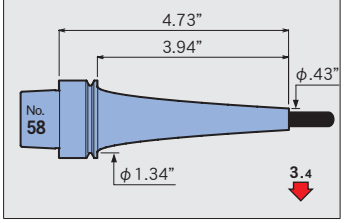


ϕ5/16

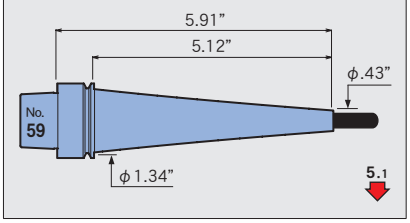
E40-SLSA5/16-90 CV



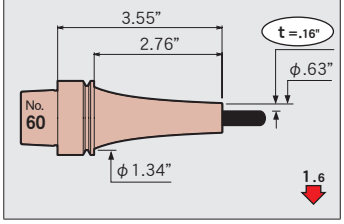
E40-SLSA5/16-120 CV



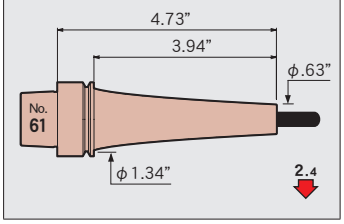
E40-SLSA5/16-150 CV



E40-SLRA5/16-90 CV

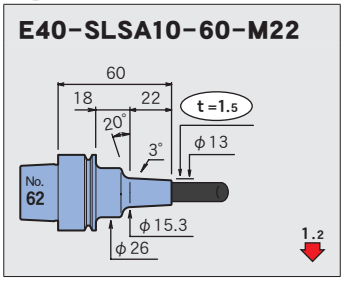


E40-SLRA5/16-120 CV



ϕ10

E40-SLSA10-60-M22



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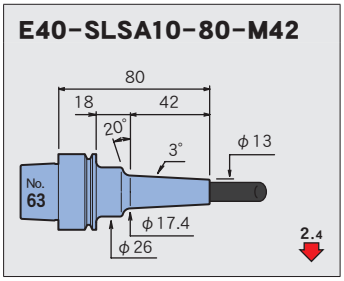
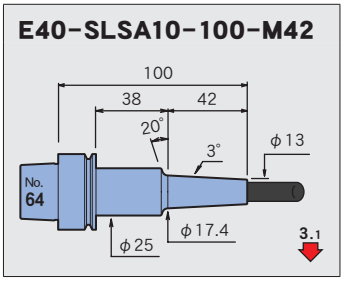


E40-SLSA10-100-M42



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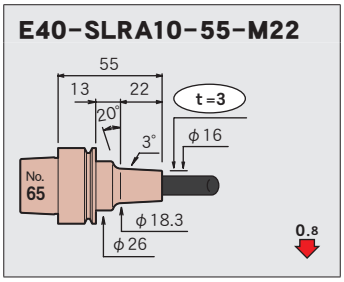
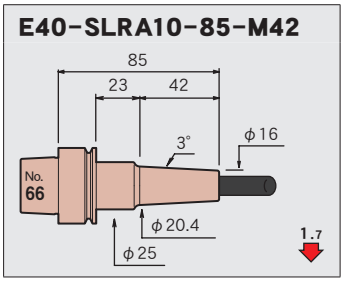
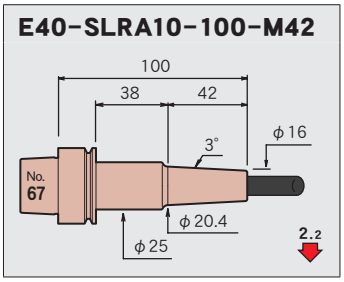


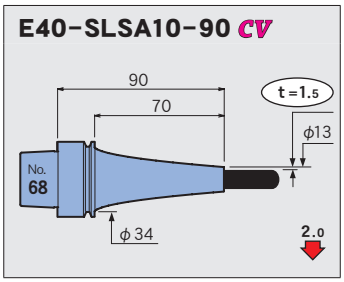
E40-SLRA10-85-M42



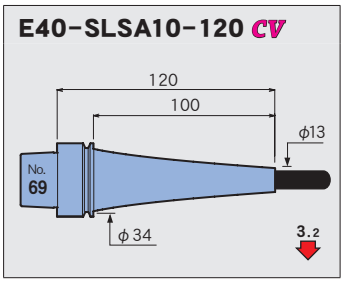
E40-SLRA10-100-M42



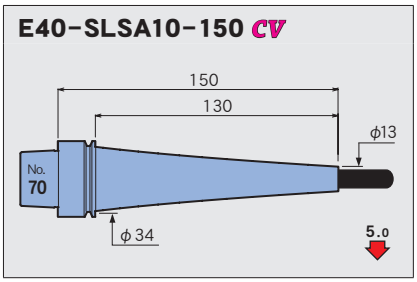
E40-SLSA10-90 CV



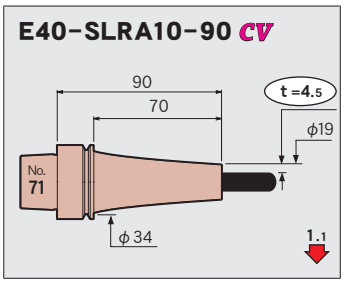
E40-SLSA10-120 CV



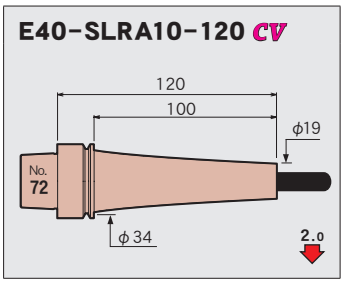
E40-SLSA10-150 CV



E40-SLRA10-90 CV



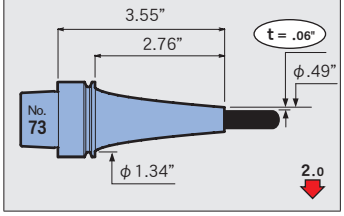
E40-SLRA10-120 CV



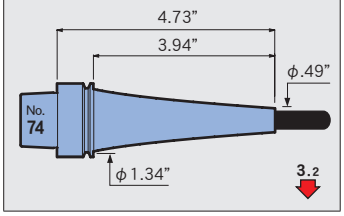
E40 S=1:4

ϕ 3/8

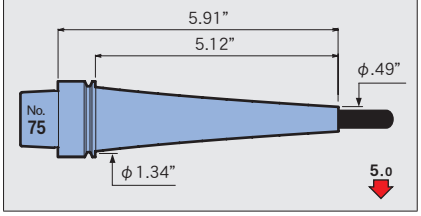
E40-SLSA3/8-90 CV



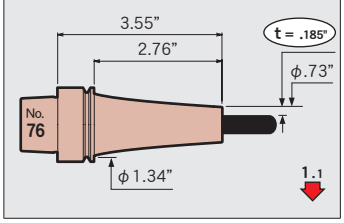
E40-SLSA3/8-120 CV



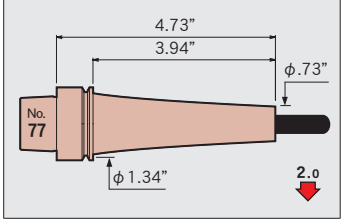
E40-SLSA3/8-150 CV



E40-SLRA3/8-90 CV

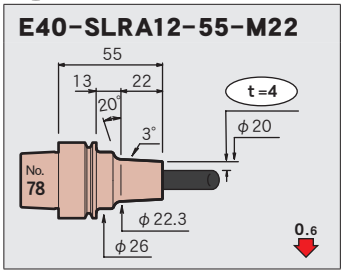


E40-SLRA3/8-120 CV

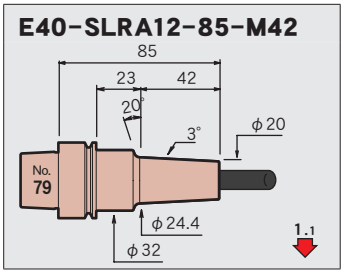


ϕ 12

E40-SLRA12-55-M22

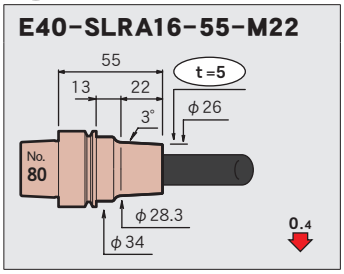


E40-SLRA12-85-M42



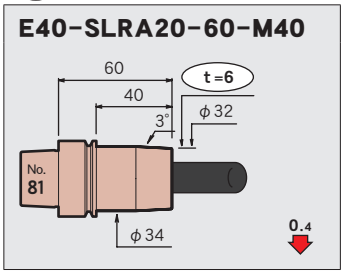
ϕ 16

E40-SLRA16-55-M22



ϕ 20

E40-SLRA20-60-M40



E50

MONO 3°

E50-SLSA8-65-M22

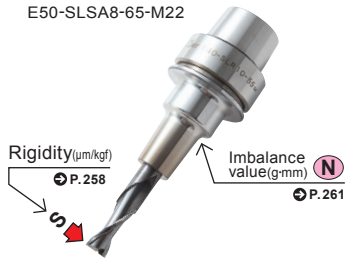
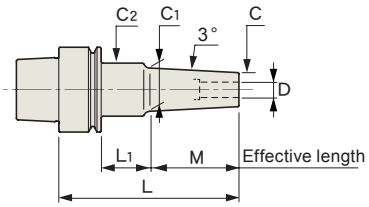


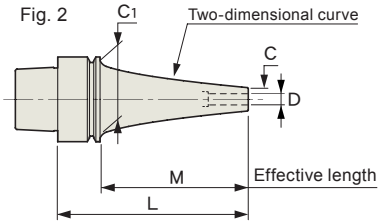
Fig. 1



MONO CURVE

E50-SLSA6-150 cv

Fig. 2

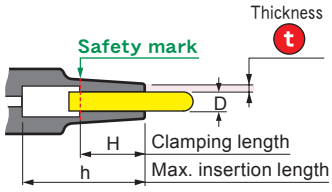


Compatibility table for HRD-01S

[○] Available [×] Not available

■Caution

- The coolant duct is not sold with a holder. Consult us if you need it.
- Setting cutters･･･Be sure to insert the tool beyond the safety mark.



CV : Curve

Thickness

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
E50-SLSA3- 60-M22	1	3	6	1.5	60	22	12	8.3	20	9	50	0.4	1.3	4.7	○	1
- 75-M22					75		27		25		61	0.5		4.5		2
- 80-M42					80	42	12	10.4	20		70			9.3		3
- 95-M42					95		27		25		81		1.7	9.1		4
-SLRA3- 75-M22	1	3	7.5	2.25	75	22	27	9.8	25	9	61	0.5	1.7	2.8	○	5
- 95-M42					95	42		11.9			81			5.3		6
-120-M67					120	67		14.5			106		1.8	8.9		7
-150-M97					150	97		17.7			136	0.6		12.9		8
-SLFB3- 75-M22	1	3	9.5	3.25	75	22	27	11.8	25	9	61	0.5	1.8	1.9	○	9
E50-SLSA4- 75-M22	1	4	7	1.5	75	22	27	9.3	25	12	61	0.5	1.3	3.6	○	10
- 95-M42					95	42		11.4			81		1.8	7.2		11
-SLRA4- 75-M22	1	4	10	3	75	22	27	12.3	25	12	61	0.5	1.7	1.7	○	12
- 95-M42					95	42		14.4			81		1.8	3.1		13
-120-M67					120	67		17			106	0.6		5.2		14
-150-M97					150	97		20.2			135	0.7	2.2	7.8		15
-SLFB4- 75-M22	1	4	12	4	75	22	27	14.3	25	12	61	0.5	1.9	1.4	○	16
-SLSA4- 90 CV	2	4	7	1.5	90	64	—	42	—	12	74	0.6	2.2	1.8	○	17
-120 CV					120	94					104		2.6	4.2		18
-150 CV					150	124					134	0.7	3.3	6		19
-180 CV					180	154					164	0.8	3.5	12		20
-SLRA4-120 CV	2	4	10	3	120	94	—	42	—	12	104	0.7	2.8	2.7	○	21
-150 CV					150	124					134	0.8	3.4	4.1		22
E50-SLSA3/16- 90 CV	2	3/16	.31	.06	3.55	2.52	—	1.65	—	0.59	2.83	1.4	2.6	1.7	○	23
-120 CV					4.73	3.71					4.02	1.4	2.8	4.2		24
-150 CV					5.91	4.89					5.20	1.7	3.5	6		25
-180 CV					7.09	6.07					6.38	1.7	3.7	12		26
-SLRA3/16-120 CV	2	3/16	.42	.12	4.73	3.71	—	1.65	—	0.59	4.02	1.6	3.4	2.7	○	27
-150 CV					5.91	4.89					5.20	1.7	3.6	4.1		28

SLFB 

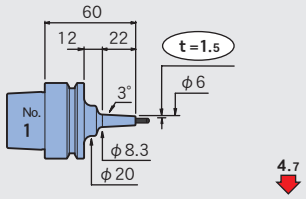
CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
E50-SLSA6- 75-M22	1	6	9	1.5	75	22	27	11.3	25	18	61	0.5	1.3	2.3	○	29
- 95-M42					95	42		13.4			81		1.6	4.8		30
-120-M67					120	67		16			106		1.8	8.1		31
-150-M97					150	97		19.2	32		135	0.6	2.3	11		32
-SLSB6- 95-M42	1	6	10	2	95	42	27	14.4	25	18	81	0.5	1.8	3.7	○	33
-120-M67					120	67		17			106	0.6		6.2		34
-150-M97					150	97		20.2	32		135	0.7	2.3	8.5		35
-SLRA6- 75-M22	1	6	12	3	75	22	27	14.3	25	18	61	0.5	1.5	1.3	○	36
- 95-M42					95	42		16.4			81		1.8	2.5		37
-120-M67					120	67		19			106	0.6	1.9	4.1		38
-SLRB6- 95-M42	1	6	14	4	95	42	27	18.4	32	18	80	0.6	2.2	1.6	○	39
-SLFB6- 75-M22	1	6	14	4	75	22	27	16.3	32	18	60	0.6	2.1	1	○	40
-SLSA6- 90 CV	2	6	9	1.5	90	64	—	42	—	18	74	0.6	2.3	1.6	○	41
-120 CV					120	94					104		2.7	3.5		42
-150 CV					150	124					134	0.7	3.4	5.4		43
-180 CV					180	154					164	0.9	4.2	7.6		44
-SLRA6-120 CV	2	6	13	3.5	120	94	—	42	—	18	104	0.8	3.3	1.8	○	45
-150 CV					150	124					132	0.9	4	2.7		46
E50-SLSA1/4- 90 CV	2	1/4	.37	.06	3.55	2.52	—	1.65	—	0.71	2.83	1.4	2.6	1.6	○	47
-120 CV					4.73	3.71					4.02	1.4	2.9	3.5		48
-150 CV					5.91	4.89					5.20	1.7	3.6	5.4		49
-180 CV					7.09	6.07					6.38	1.9	4.3	7.6		50
-SLRA1/4-120 CV	2	1/4	.53	.14	4.73	3.71	—	1.65	—	0.71	4.02	1.6	3.4	1.8	○	51
-150 CV					5.91	4.89					5.20	2	4.2	2.7		52
E50-SLSA8- 65-M22	1	8	11	1.5	65	22	17	13.3	26	24	49	0.5	1.5	1.5	○	53
- 75-M22					75		27	15.4	25		61		1.6	1.6		54
- 85-M42					85	42	17		26		67			3.2		55
- 95-M42					95		27		25		81	0.5	2.2	3.5		56
E50 -120-M67					120	67		18	32		105	0.6	2.3	5.4		57
-150-M97					150	97		21.2			132	0.7	2.4	8.1		58
-SLSB8- 95-M42	1	8	13	2.5	95	42	27	17.4	32	24	80	0.6	2.2	2.1	○	59
-120-M67					120	67		20			105	0.6	2.3	3.5		60
-150-M97					150	97		23.2			135	0.7	2.4	5.3		61
-SLRA8- 60-M22	1	8	14	3	60	22	12	16.3	26	24	44	0.5	1.4	0.9	○	62
- 75-M22					75		27		25		61		1.5	1.1		63
- 95-M42					95	42		18.4			81		1.8	2		64
-SLRB8- 95-M42	1	8	18	5	95	42	27	22.4	32	24	80	0.6	2.2	1.1	○	65
-120-M67					120	67		25			105	0.7	2.3	1.7		66
-SLFB8- 75-M22	1	8	18	5	75	22	27	20.3	32	24	60	0.6	2.2	0.7	×	67
-SLSA8- 90 CV	2	8	11	1.5	90	64	—	42	—	24	74	0.6	2.5	1.4	○	68
-120 CV					120	94					104	0.7	3.2	2.2		69
-150 CV					150	124					134		3.5	4.9		70
-180 CV					180	154					164	0.8	4.2	7.1		71
-SLRA8-120 CV	2	8	16	4	120	94	—	42	—	24	102	0.8	3.8	1.3	○	72
-150 CV					150	124					132	0.9	4	2.7		73
E50-SLSA5/16- 90 CV	2	5/16	.43	.06	3.55	2.52	—	1.65	—	0.94	2.83	1.4	2.6	1.4	○	74
-120 CV					4.73	3.71					4.02	1.6	3.4	2.2		75
-150 CV					5.91	4.89					5.20	1.7	3.6	4.9		76
-180 CV					7.09	6.07					6.38	1.9	4.4	7.1		77
-SLRA5/16-120 CV	2	5/16	.63	.16	4.73	3.71	—	1.65	—	0.94	4.02	1.8	4	1.3	○	78
-150 CV					5.91	4.89					5.20	1.9	4.2	2.7		79

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
E50-SLSA10- 65-M22	1	10	13	1.5	65	22	17	15.3	26	30	49	0.5	1.5	1.1	○	80
- 75-M22					75		27		25		61		1.6	1.3		81
- 85-M42					85	42	17	17.4	26		64			2.4		82
E50 - 95-M42					95		27		25		81		2.2	2.6		83
-120-M67					120	67		20	32		105	0.6	2.3	4.1		84
-150-M97					150	97		23.2			64	0.7	2.5	6.2		85
-SLSB10- 95-M42	1	10	16	3	95	42	27	20.4	32	30	80	0.6	2.2	1.5	○	86
-120-M67					120	67		23			105	0.7	2.4	2.4		87
-150-M97					150	97		26.2			135		2.5	3.7		88
-SLRA10- 75-M22	1	10	16	3	75	22	27	18.3	25	30	60	0.6	1.5	1	○	89
-SLRB10- 95-M42	1	10	22	6	95	42	27	26.4	32	30	80	0.7	2.3	0.9	○	90
-120-M67					120	67		29	42		107	0.8	3.2	1.1		91
-SLFB10- 75-M22	1	10	22	6	75	22	27	24.3	32	30	60	0.6	2.2	0.6	×	92
-SLSA10- 90 CV	2	10	13	1.5	90	64	—	42	—	30	74	0.6	2.5	1.3	○	93
-120 CV					120	94					104	0.7	3.3	2.1		94
-150 CV					150	124					134	0.8	4.1	3.4		95
-180 CV					180	154					162		4.3	6.9		96
-SLRA10-150 CV	2	10	19	4.5	150	124	—	42	—	30	132	0.9	4.4	2.2	○	97
E50-SLSA3/8- 90 CV	2	3/8	.49	.06	3.55	2.52	—	1.65	—	1.18	2.83	1.4	2.6	1.3	○	98
-120 CV					4.73	3.71					4.02	1.6	3.4	2.1		99
-150 CV					5.91	4.89					5.20	1.9	4.2	3.4		100
-180 CV					7.09	6.07					6.38	1.9	4.5	6.9		101
-SLRA3/8-150 CV	2	3/8	.73	.185	5.91	4.89	—	1.65	—	1.18	5.20	2.0	4.7	2.2	○	102
E50-SLSA12- 65-M22	1	12	15	1.5	65	22	17	17.3	26	25	49	0.5	1.6	0.9	○	103
- 75-M22					75		27		25	30	60		1.7	1.1		104
- 95-M42					95	42		19.4	32		80		2.2	1.9		105
-120-M67					120	67		22			105	0.6	2.4	3.3		106
-SLSB12- 95-M42	1	12	19	3.5	95	42	27	23.4	32	30	80	0.6	2.3	1.2	○	107
-120-M67					120	67		26			105	0.7	2.5	1.9		108
-150-M97					150	97		29.2			135	0.9	3.5	2.5		109
-SLRA12- 75-M22	1	12	20	4	75	22	27	22.3	25	30	62	0.6	1.6	0.9	○	110
-SLRB12- 95-M42	1	12	26	7	95	42	27	30.4	42	30	82	0.8	3.1	0.6	×	111
-120-M67					120	67		33			107	0.9	3.3	0.9		112
-SLFB12- 75-M22	1	12	26	7	75	22	27	28.3	42	30	62	0.7	3	0.4	×	113
E50-SLSB16- 95-M42	1	16	24	4	95	42	27	28.4	42	32	82	0.7	3.2	0.7		114
-120-M67					120	67		31			107	0.8	3.5	1.2		115
-SLRA16- 60-M22	1	16	26	5	60	22	12	28.3	34	32	44	0.6	1.7	0.4		116
-SLRB16- 75-M22	1	16	32	8	75	22	27	34.3	42	32	62	0.7	3	0.4		117
-SLFB16- 75-M22	1	16	32	8	75	22	27	34.3	42	32	62	0.7	3	0.4		118
E50-SLSB20- 95-M42	1	20	29	4.5	95	42	27	33.4	42	40	82	0.7	3.3	0.6		119
-SLRA20- 65-M22	1	20	32	6	65	22	17	34.3	40	38	49	0.6	2.2	0.3		120

SLFB 

E50 S=1:5

φ3

E50-SLSA3-60-M22


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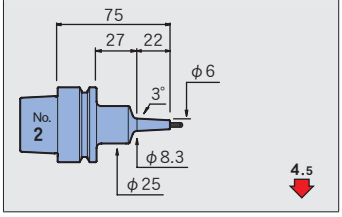

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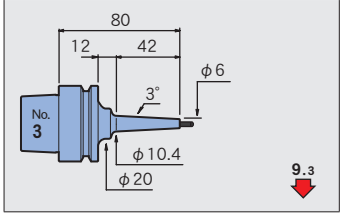

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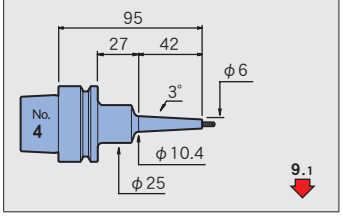

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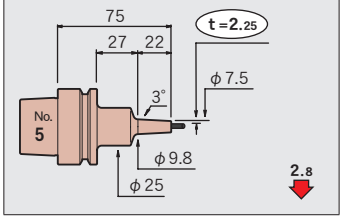

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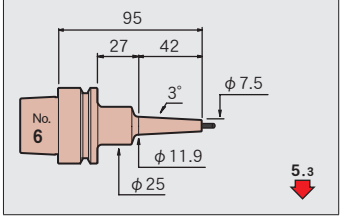

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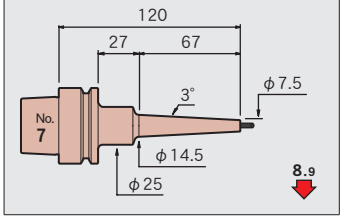

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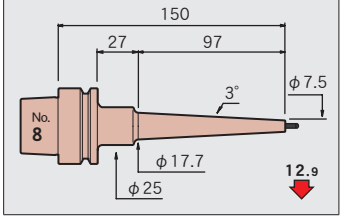
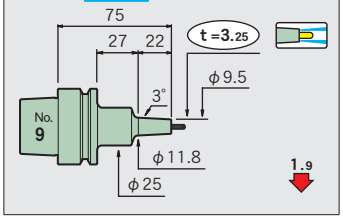
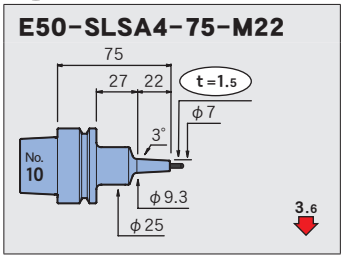


E50-SLFB3-75-M22


φ4

E50-SLSA4-75-M22


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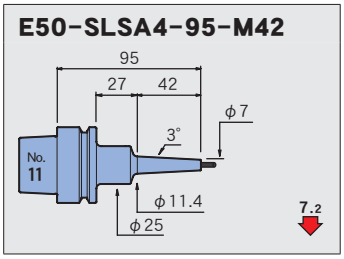

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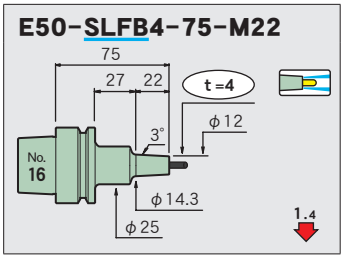

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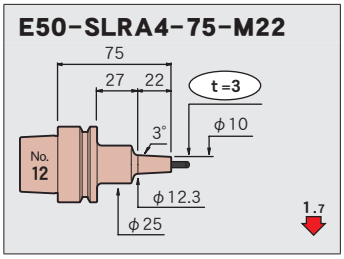

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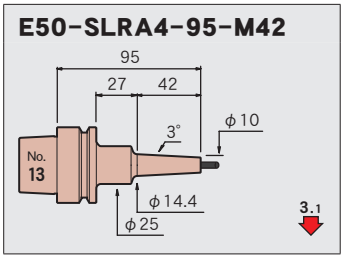

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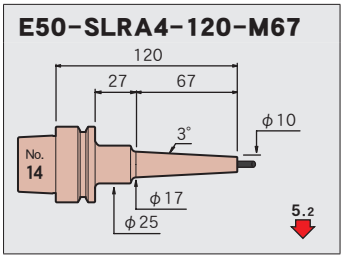

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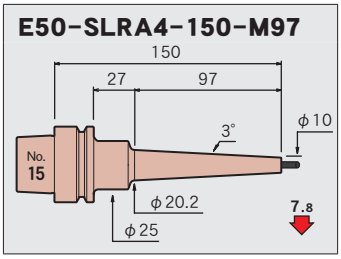
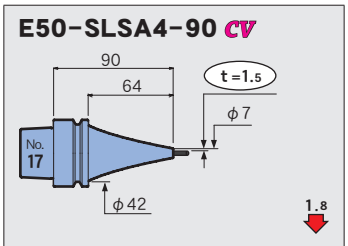
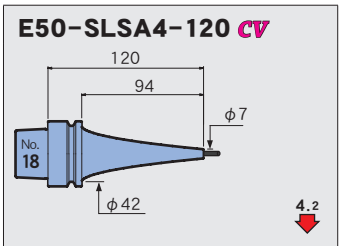
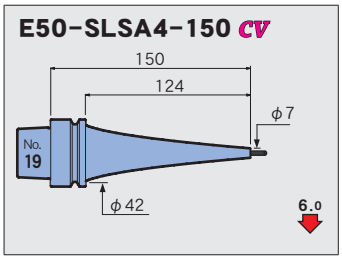
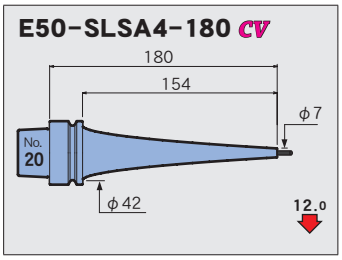


E50-SLSA4-90 CV


E50-SLSA4-120 CV


E50-SLSA4-150 CV


E50-SLSA4-180 CV


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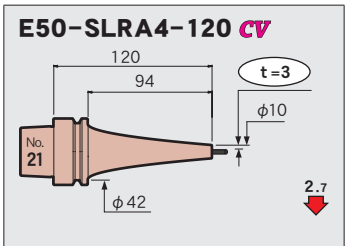

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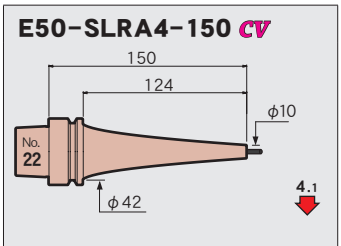
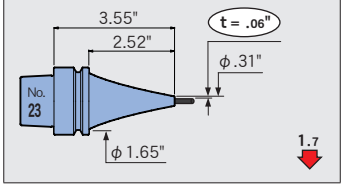
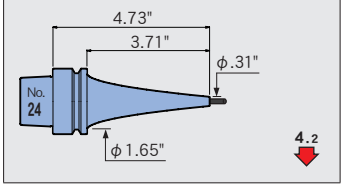


ϕ3/16

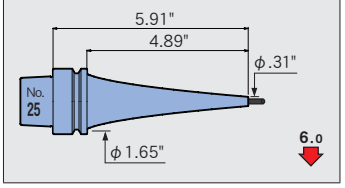
E50-SLSA3/16-90 CV



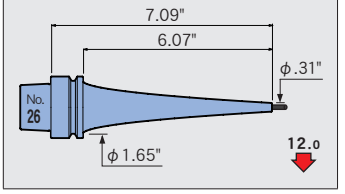
E50-SLSA3/16-120 CV



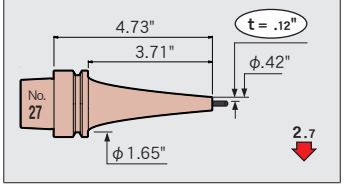
E50-SLSA3/16-150 CV



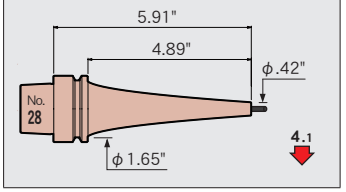
E50-SLSA3/16-180 CV



E50-SLRA3/16-120 CV

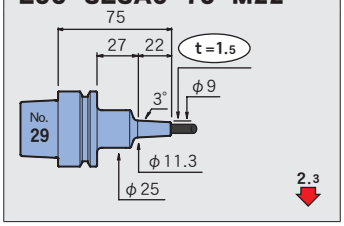


E50-SLRA3/16-150 CV

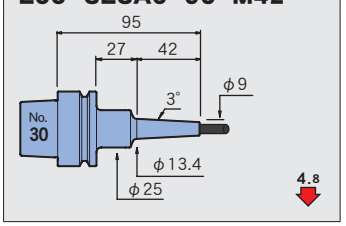


ϕ6

E50-SLSA6-75-M22



E50-SLSA6-95-M42



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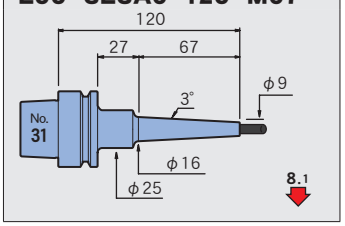
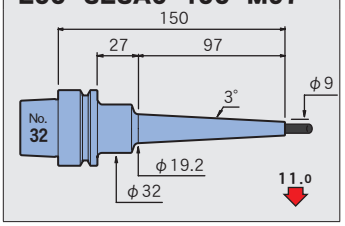
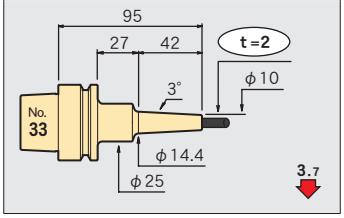


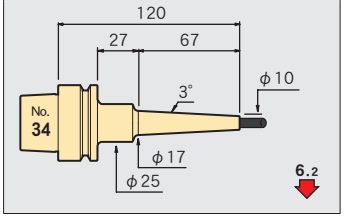
E50-SLSA6-150-M97



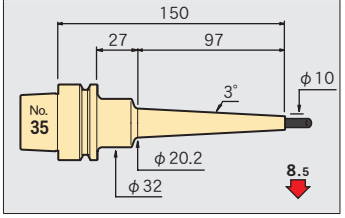
E50-SLSB6-95-M42



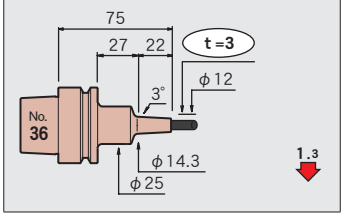
E50-SLSB6-120-M67



E50-SLSB6-150-M97



E50-SLRA6-75-M22



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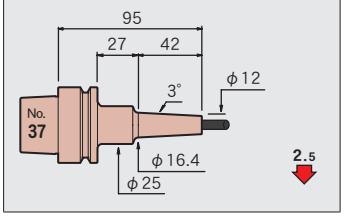

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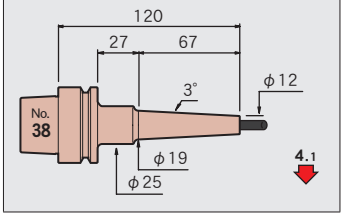
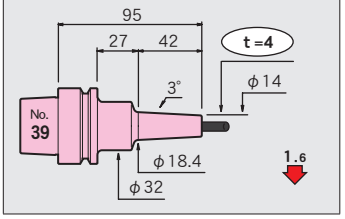
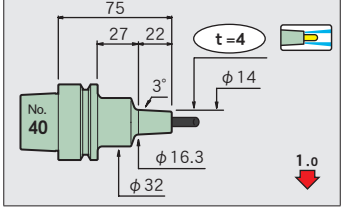


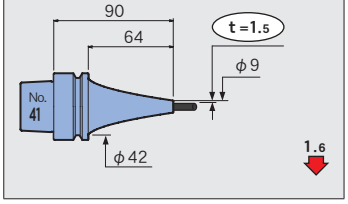
E50-SLRB6-95-M42



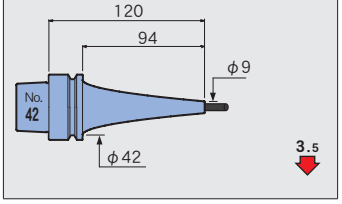
E50-SLFB6-75-M22



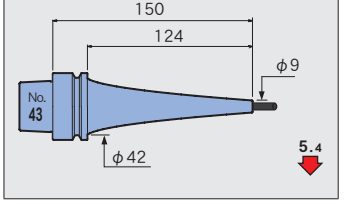
E50-SLSA6-90 CV



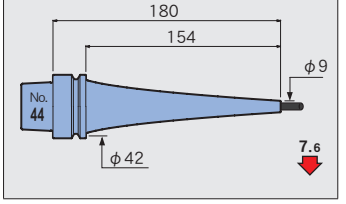
E50-SLSA6-120 CV



E50-SLSA6-150 CV

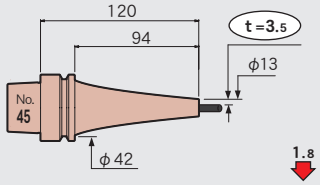


E50-SLSA6-180 CV



E50 S=1:5

E50-SLRA6-120 CV



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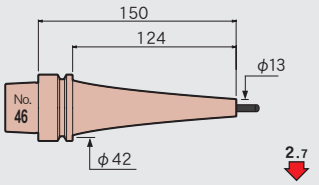
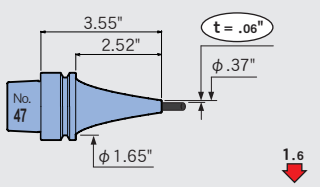
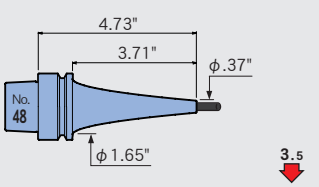


ϕ1/4

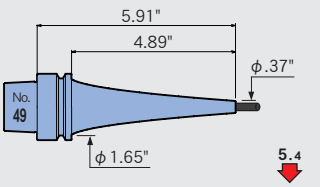
E50-SLSA1/4-90 CV



E50-SLSA1/4-120 CV



E50-SLSA1/4-150 CV



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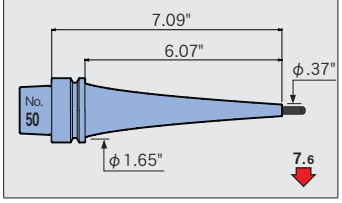
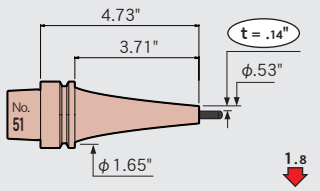
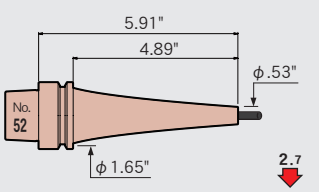


E50-SLRA1/4-120 CV

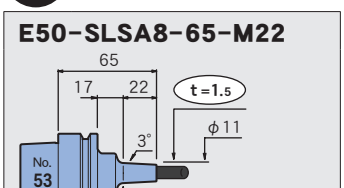


E50-SLRA1/4-150 CV

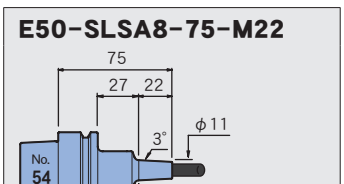


ϕ8

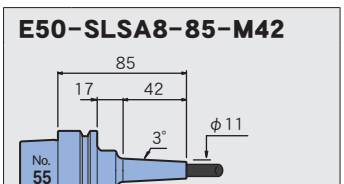
E50-SLSA8-65-M22



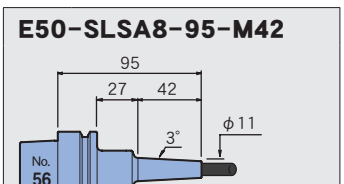
E50-SLSA8-75-M22



E50-SLSA8-85-M42



E50-SLSA8-95-M42



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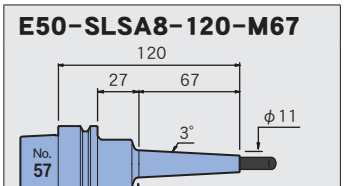
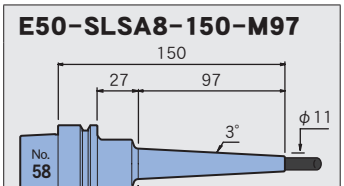
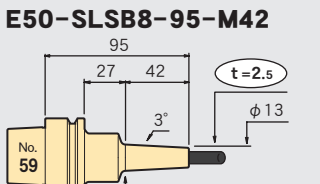


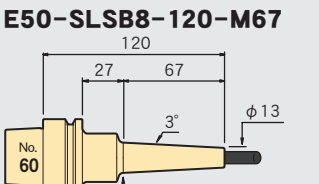
E50-SLSA8-150-M97



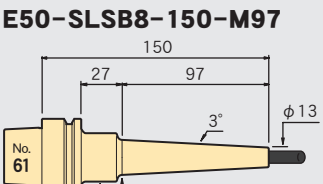
E50-SLSB8-95-M42



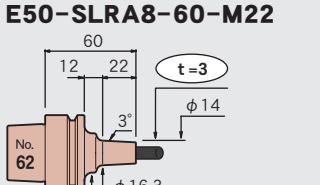
E50-SLSB8-120-M67



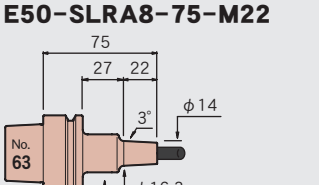
E50-SLSB8-150-M97



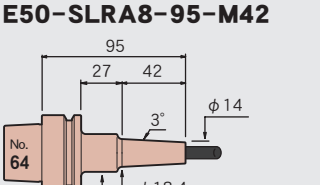
E50-SLRA8-60-M22



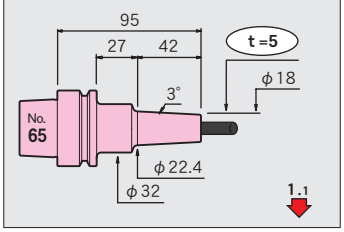
E50-SLRA8-75-M22



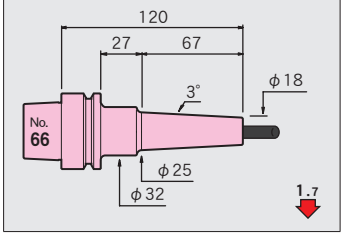
E50-SLRA8-95-M42



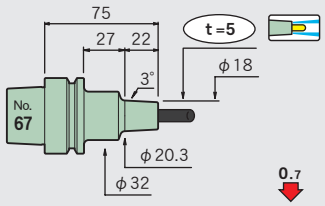
E50-SLRB8-95-M42



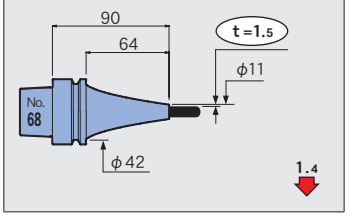
E50-SLRB8-120-M67



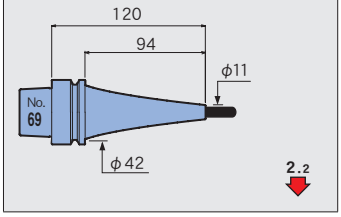
E50-SLFB8-75-M22



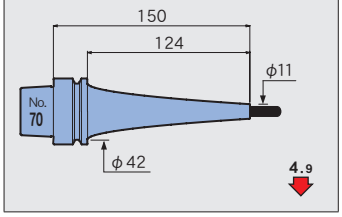
E50-SLSA8-90 CV



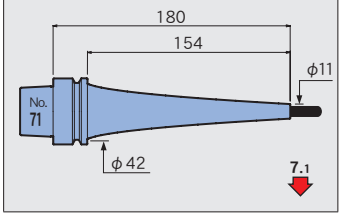
E50-SLSA8-120 CV



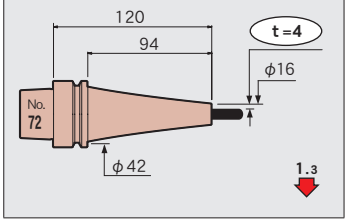
E50-SLSA8-150 CV



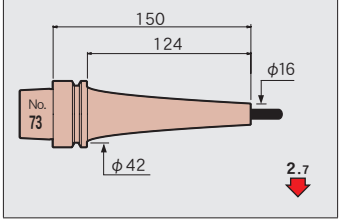
E50-SLSA8-180 CV



E50-SLRA8-120 CV

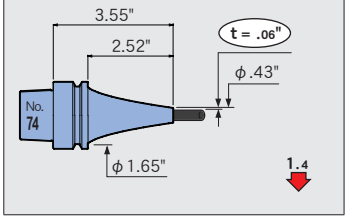


E50-SLRA8-150 CV

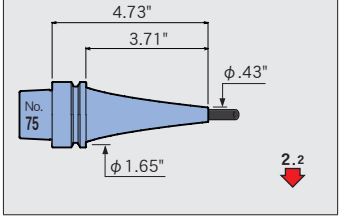


ϕ5/16

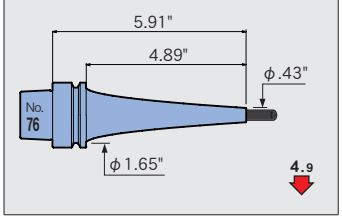
E50-SLSA5/16-90 CV



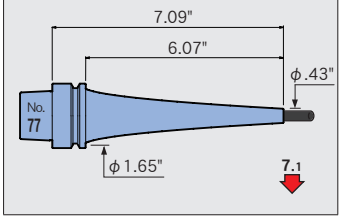
E50-SLSA5/16-120 CV



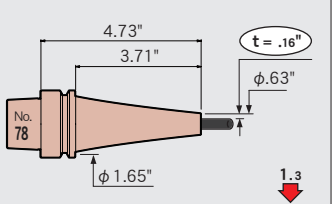
E50-SLSA5/16-150 CV



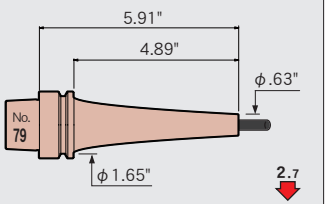
E50-SLSA5/16-180 CV



E50-SLRA5/16-120 CV



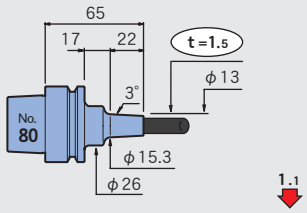
E50-SLRA5/16-150 CV



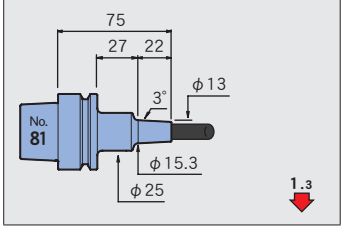
E50 S=1:5

ϕ 10

E50-SLSA10-65-M22



E50-SLSA10-75-M22



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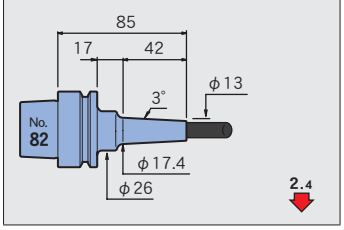
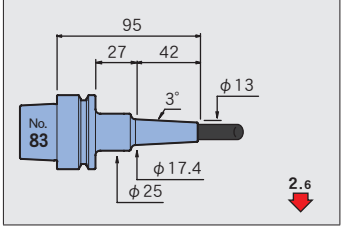


E50-SLSA10-95-M42



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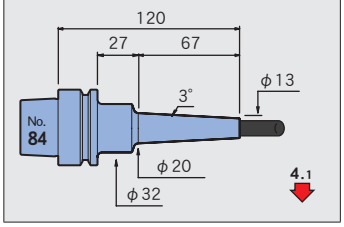
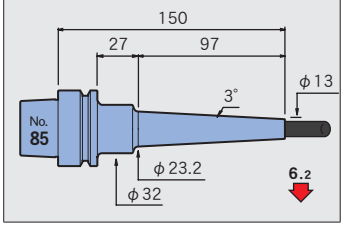
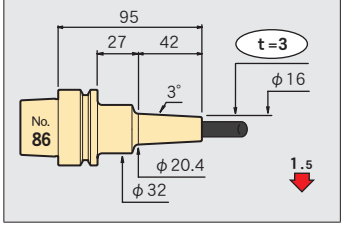


E50-SLSA10-150-M97



E50-SLSB10-95-M42



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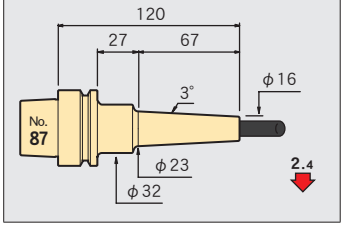

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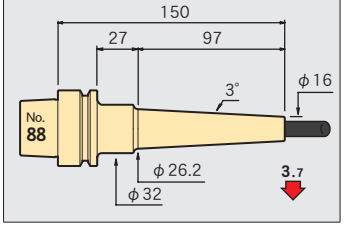
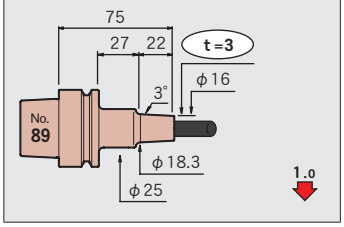
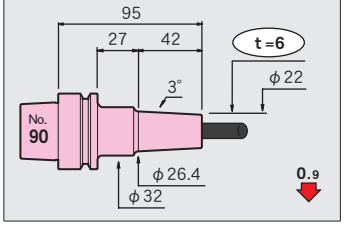


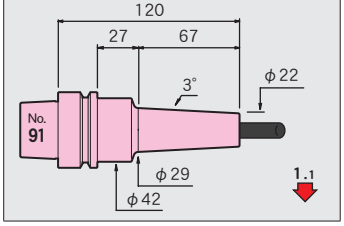
E50-SLRA10-75-M22



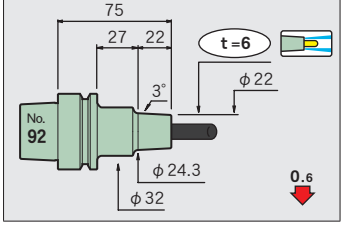
E50-SLRB10-95-M42



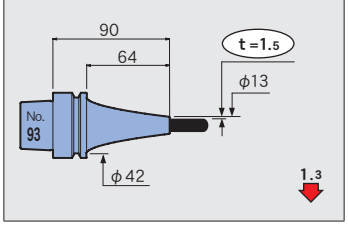
E50-SLRB10-120-M67



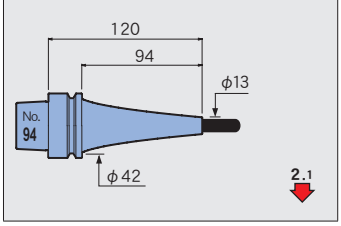
E50-SLFB10-75-M22



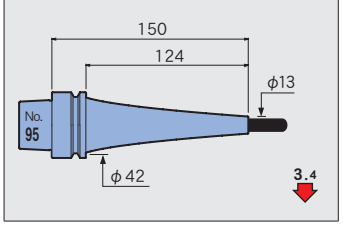
E50-SLSA10-90 CV



E50-SLSA10-120 CV



E50-SLSA10-150 CV



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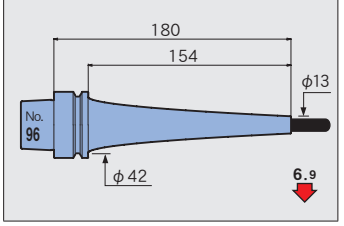
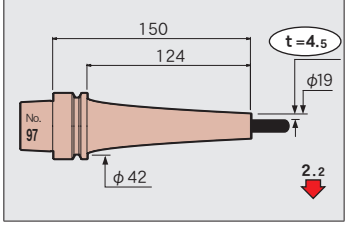
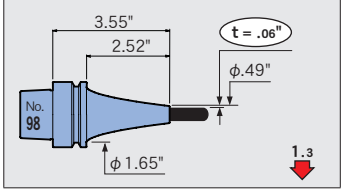


E50-SLRA10-150 CV

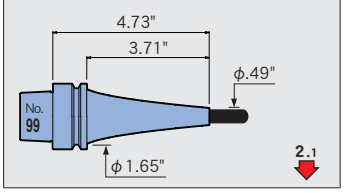


ϕ3/8

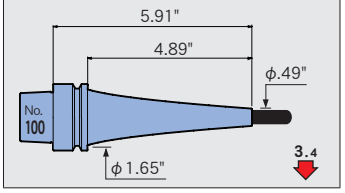
E50-SLSA3/8-90 CV



E50-SLSA3/8-120 CV



E50-SLSA3/8-150 CV



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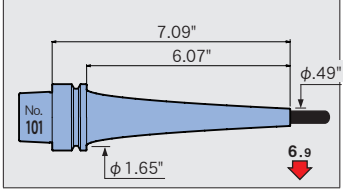
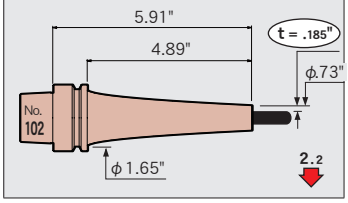
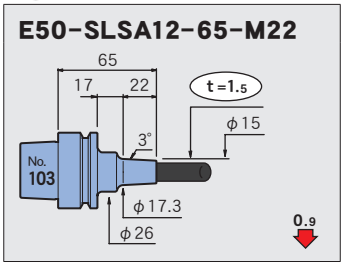


E50-SLRA3/8-150 CV



ϕ12

E50-SLSA12-65-M22



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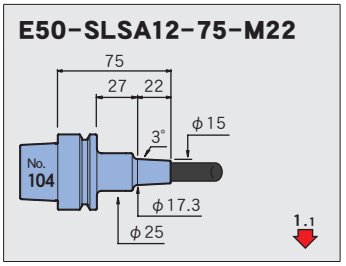
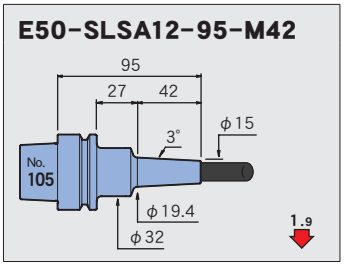
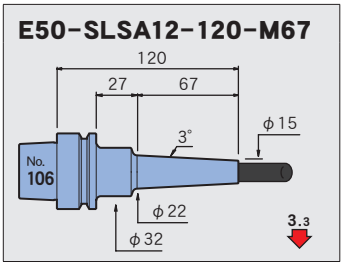


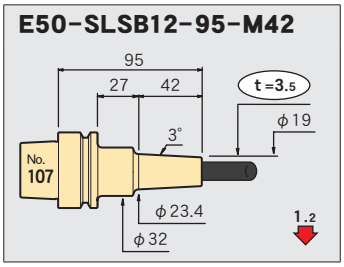
E50-SLSA12-95-M42



E50-SLSA12-120-M67



E50-SLSB12-95-M42



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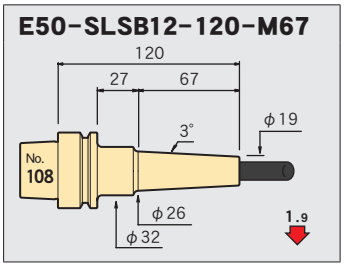
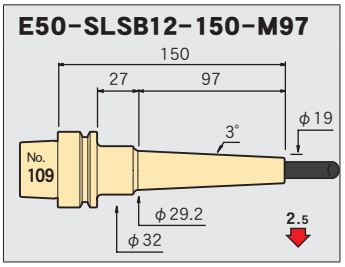


E50-SLSB12-150-M97



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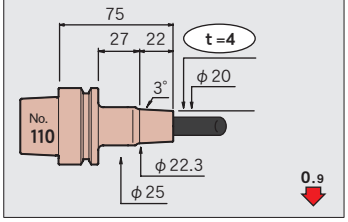
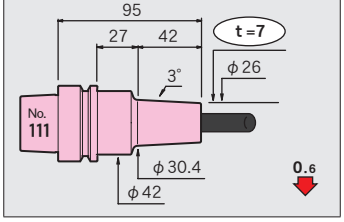


E50-SLRB12-95-M42



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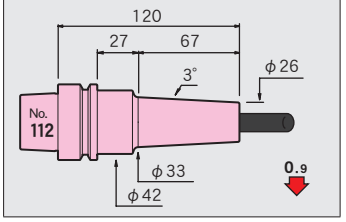
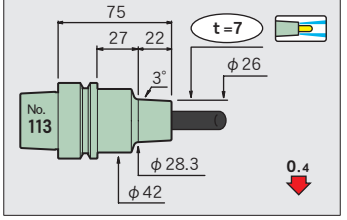


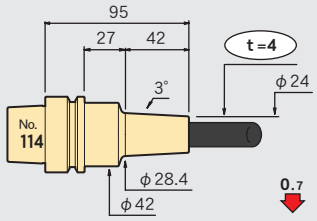
E50-SLFB12-75-M22



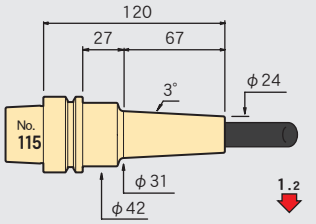
E50 S=1:5

ϕ16

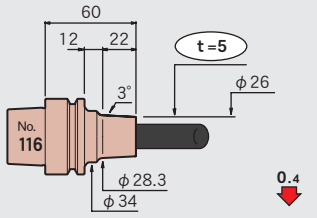
E50-SLSB16-95-M42



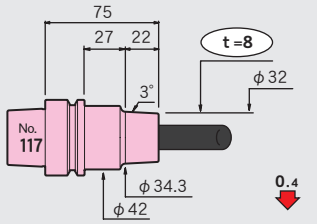
E50-SLSB16-120-M67



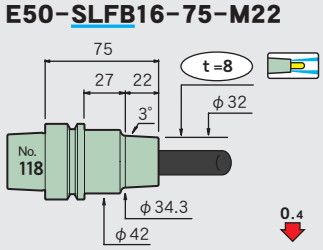
E50-SLRA16-60-M22



E50-SLRB16-75-M22

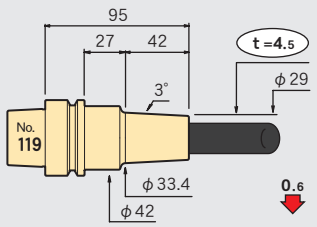


E50-SLFB16-75-M22

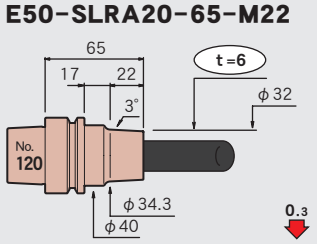


ϕ20

E50-SLSB20-95-M42



E50-SLRA20-65-M22



F63

MONO 3°

F63-SLRA4-70-M22

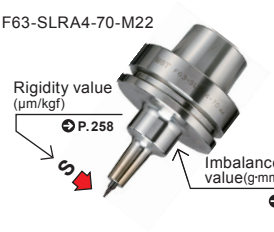
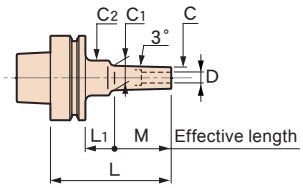


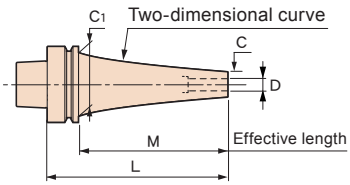
Fig.1



MONO CURVE

F63-SLRA6-120cv

Fig.2



Compatibility table for HRD-01S

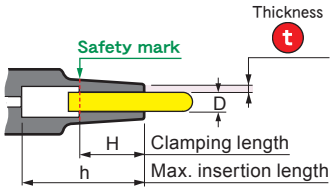
[○] Available [×] Not available

[▲] Usable by raising the heating unit.→P.257

[★] Use heating coil No. 2.

■**Caution**

- The coolant duct is not sold with a holder. Consult us if you need it.
- Setting cutters••• Be sure to insert the tool beyond the safety mark.



CV : Curve

Thickness

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg	N	S		Scale model
F63-SLSA3- 75-M37	1	3	6	1.5	75	37	12	9.9	26	9	58	0.7	1.5	8	○	1
- 95-M42					95	42	27	10.4	25		78		1.8	9.1		2
-SLRA3- 70-M22	1	3	7.5	2.25	70	22	22	9.8	26	9	53	0.7	1.7	2.8	○	3
- 75-M22					75		27		25		54		1.8			4
- 95-M42					95	42		11.9			78		1.9	5.3		5
-SLFB3- 75-M22	1	3	9.5	3.25	75	22	27	11.8	25	9	58	0.7	1.9	1.9	○	6
- 95-M42					95	42		13.9			78	0.8	2	3.2		7
-120-M67					120	67		16.5			103			5.4		8
F63-SLSA4- 95-M42	1	4	7	1.5	95	42	27	11.4	25	12	78	0.7	1.9	7.2	○	9
-SLRA4- 75-M22	1	4	10	3	75	22	27	12.3	25	12	58	0.7	1.8	1.7	○	10
- 95-M42					95	42		14.4			78	0.8	1.9	3.1		11
-SLFB4- 75-M22	1	4	12	4	75	22	27	14.3	25	12	58	0.7	2	1.3	○	12
- 95-M42					95	42		16.4			78	0.8		2.2		13
-120-M67					120	67		19			103		2.1	3.6		14
-SLSA4- 90 CV	2	4	7	1.5	90	64	—	53	—	12	65	0.9	2.7	1.8	○	15
-120 CV					120	94					95	1	3.6	2.7		16
-150 CV					150	124					125	1.2	4.4	4		17
-180 CV					180	154					154	1.3	5	6.6		18
-210 CV					210	184					185		5.3	11.6		19
-240 CV					240	214					214	1.6	6.5	14		20
-270 CV					270	244					245	1.9	8.8	11.9		21
-300 CV					300	274					275	2	9.7	15.9		22
-SLRA4-120 CV	2	4	10	3	120	94	—	53	—	12	95	1	3.6	1.9	○	23
-150 CV					150	124					125	1.1	4.4	2.9		24
-180 CV					180	154					155	1.4	6	3.3		25
-210 CV					210	184					185	1.5	6.2	5.6		26

SLFB 

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
F63-SLSA3/16- 90 CV	2	3/16	.31	.06	3.54	2.52	—	2.09	—	.59	2.56	2	2.8	2.0	○	27
-120 CV					4.72	3.70					3.74	2.3	3.6	2.6		28
-150 CV					5.91	4.88					4.92	2.6	4.5	4.0		29
F63 -180 CV					7.09	6.06					6.06	2.7	5.2	6.5		30
-210 CV					8.27	7.24					7.24	3.2	6.4	8.4		31
-240 CV					9.45	8.43					8.43	3.6	7.6	10.6		32
-270 CV					10.63	9.61					9.61	4	8.9	13.2		33
-300 CV					11.81	10.79					10.83	4.5	10	16.1		34
-SLRA3/16-120 CV	2	3/16	.42	.12	4.72	3.70	—	2.09	—	.59	3.70	2.3	3.8	1.8	○	35
-150 CV					5.91	4.88					4.88	2.7	5	2.4		36
-180 CV					7.09	6.06					6.10	2.8	5.3	4.3		37
-210 CV					8.27	7.24					7.24	2.8	5.8	5.7		38
F63-SLSA6- 75-M37	1	6	9	1.5	75	37	12	12.9	26	18	58	0.7	1.5	4	○	39
- 95-M42					95	42	27	13.4	25		78	0.7	1.9	4.8		40
-SLSB6- 95-M42	1	6	10	2	95	42	27	14.4	25	18	78	0.7	1.9	3.7	○	41
-SLRA6- 75-M22	1	6	12	3	75	22	27	14.3	25	18	58	0.7	1.8	1.3	○	42
- 95-M42					95	42		16.4			78	0.8	1.9	2.4		43
-SLFB6- 75-M22	1	6	14	4	75	22	27	16.3	32	18	58	0.8	2.2	1	○	44
-SLSA6- 90 CV	2	6	9	1.5	90	64	—	53	—	18	65	0.9	2.8	1.6	○	45
-120 CV					120	94					95	1	3.6	2.3		46
-150 CV					150	124					125	1.2	4.4	3.6		47
-180 CV					180	154					154	1.3	5.2	5.7		48
-210 CV					210	184					184	1.5	6.4	7.3		49
-240 CV					240	214					214	1.6	6.7	12		50
-270 CV					270	244					245	2	9.7	8.5	▲	51
-300 CV					300	274					275	2.2	10.6	11.7		52
-SLRA6- 90 CV	2	6	13	3.5	90	64	—	53	—	18	65	1	3.4	0.8	★	53
-120 CV					120	94					95	1.2	4.3	1.2		54
-150 CV					150	124					125	1.3	5.2	1.9	○	55
-180 CV					180	154					155	1.4	6.1	2.8		56
-210 CV					210	184					185	1.5	6.6	4.8		57
-SLFA6- 90 CV	2	6	13	3.5	90	64	—	53	—	18	65	1	3.4	0.8	★	58
-120 CV					120	94					95	1.2	4.3	1.2		59
-150 CV					150	124					125	1.3	5.2	1.9	○	60
-180 CV					180	154					155	1.4	6.1	2.8		61
-210 CV					210	184					185	1.5	6.6	4.8		62
F63-SLSA1/4- 90 CV	2	1/4	.37	.06	3.54	2.52	—	2.09	—	.71	2.56	2	2.9	1.6	○	63
-120 CV					4.72	3.70					3.74	2.2	3.6	2.4		64
-150 CV					5.91	4.88					4.92	2.5	4.5	3.7		65
-180 CV					7.09	6.06					6.10	2.8	5.4	5.5		66
-210 CV					8.27	7.24					7.24	3.4	7.2	7.5		67
-240 CV					9.45	8.43					8.43	3.6	7.8	9.6		68
-270 CV					10.63	9.61					9.65	4.2	9.1	11.3	▲	69
-300 CV					11.81	10.79					10.79	4.7	11.2	11.8		70
-SLRA1/4- 90 CV	2	1/4	.53	.14	3.54	2.52	—	2.09	—	.71	2.52	2.2	3.5	0.8	★	71
-120 CV					4.72	3.70					3.74	2.6	4.4	1.2		72
-150 CV					5.91	4.88					4.92	2.8	5.3	1.9	○	73
-180 CV					7.09	6.06					6.06	3.1	6.4	2.9		74
-210 CV					8.27	7.24					7.24	3.2	6.8	4.9		75

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
F63-SLFA1/4- 90 CV	2	1/4	.53	.14	3.54	2.52	—	2.09	—	.71	2.52	2.2	3.5	0.8	★	76
-120 CV					4.72	3.70					3.74	2.6	4.4	1.2		77
-150 CV					5.91	4.88					4.92	2.8	5.3	1.9	○	78
-180 CV					7.09	6.06					6.06	3.1	6.4	2.9		79
-210 CV					8.27	7.24					7.24	3.2	6.8	4.9		80
F63-SLSA8- 95-M42	1	8	11	1.5	95	42	27	15.4	25	24	78	0.7	1.9	3.4	○	81
-SLSB8- 95-M42	1	8	13	2.5	95	42	27	17.4	32	24	78	0.8	2.3	2.1	○	82
-SLRA8- 75-M22	1	8	14	3	75	22	27	16.3	25	24	58	0.7	1.9	1.1	○	83
- 95-M42					95	42		18.4			78	0.8		2		84
-SLFB8- 75-M22	1	8	18	5	75	22	27	20.3	32	24	58	0.8	2.2	0.7	×	85
-SLSA8- 90 CV	2	8	11	1.5	90	64	—	53	—	24	65	0.9	2.9	1.4	○	86
-120 CV					120	94					94	1.1	3.8	2		87
-150 CV					150	124					124	1.3	5	2.7		88
-180 CV					180	154					155		5.2	5		89
F63 -210 CV					210	184					184	1.5	6.6	6.6	▲	90
-240 CV					240	214					214	1.8	7.8	8.3		91
-270 CV					270	244					244	2.1	10.7	6.9		92
-300 CV					300	274					274	2.3	11.9	8.9		93
-SLRA8- 90 CV	2	8	16	4	90	64	—	53	—	24	65	1	3.4	0.7	○	94
-120 CV					120	94					95	1.2	4.6	1		95
-150 CV					150	124					125	1.4	5.9	1.4		96
-180 CV					180	154					155	1.6	7	2		97
-210 CV					210	184					185		7.6	3.5		98
-SLFA8- 90 CV	2	8	16	4	90	64	—	53	—	24	65	1	3.4	0.7	○	99
-120 CV					120	94					95	1.2	4.6	1		100
-150 CV					150	124					125	1.4	5.9	1.4		101
-180 CV					180	154					155	1.6	7	2		102
-210 CV					210	184					185		7.6	3.5		103
F63-SLSA5/16- 90 CV	2	5/16	.43	.06	3.54	2.52	—	2.09	—	.94	2.56	2	2.9	1.5	○	104
-120 CV					4.72	3.70					3.70	2.2	3.8	2.0		105
-150 CV					5.91	4.88					4.88	2.7	5.1	2.8		106
-180 CV					7.09	6.06					6.10	2.8	5.4	5.2		107
-210 CV					8.27	7.24					7.17	3.2	7.4	6.0	▲	108
-240 CV					9.45	8.43					8.43	3.9	8.9	6.8		109
-270 CV					10.63	9.61					9.65	4.5	10	8.5		110
-300 CV					11.81	10.79					10.79	5	12.3	9.0		111
-SLRA5/16- 90 CV	2	5/16	.63	.16	3.54	2.52	—	2.09	—	.94	2.52	2.2	3.5	0.7	○	112
-120 CV					4.72	3.70					3.70	2.6	4.8	1.0		113
-150 CV					5.91	4.88					4.88	3	6.1	1.5		114
-180 CV					7.09	6.06					6.06	3.5	7.3	2.1		115
-210 CV					8.27	7.24					7.24	3.5	7.8	3.6		116
-SLFA5/16- 90 CV	2	5/16	.63	.16	3.54	2.52	—	2.09	—	.94	2.52	2.2	3.5	0.7	○	117
-120 CV					4.72	3.70					3.70	2.6	4.8	1.0		118
-150 CV					5.91	4.88					4.88	3	6.1	1.5		119
-180 CV					7.09	6.06					6.06	3.5	7.3	2.1		120
-210 CV					8.27	7.24					7.24	3.5	7.8	3.6		121
F63-SLSA10-95-M42	1	10	13	1.5	95	42	27	17.4	25	30	74	0.8	2	2.6	○	122
-SLSB10-95-M42	1	10	16	3	95	42	27	20.4	32	30	74	0.8	2.3	1.4	○	123
-SLRA10-75-M22	1	10	16	3	75	22	27	18.3	25	30	54	0.8	1.9	1	○	124
-SLFB10-75-M22	1	10	22	6	75	22	27	24.3	32	30	54	0.8	2.3	0.6	×	125

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
F63-SLSA10- 90 CV	2	10	13	1.5	90	64	—	53	—	30	65	0.9	2.9	1.3	○	126
-120 CV					120	94					95	1.2	4.4			127
-150 CV					150	124					125	1.3	5.2	2.2		128
-180 CV					180	154					154	1.5	6.3	3.4		129
-210 CV					210	184					184	1.6	6.8	6		130
-240 CV					240	214					212	2	9.4	5.8	▲	131
-270 CV					270	244					244	2.1	10.9	6.6		132
-300 CV					300	274					274	2.3	12.2	8.5		133
-SLRA10- 90 CV	2	10	19	4.5	90	64	—	53	—	30	65	1	3.5	0.6	×	134
-120 CV					120	94					95	1.2	4.6	0.9	○	135
-150 CV					150	124					125	1.4	5.8	1.4		136
-180 CV					180	154					155	1.6	7.2	2		137
-210 CV					210	184					185		8	3.1		138
-SLFA10- 90 CV	2	10	19	4.5	90	64	—	53	—	30	65	1	3.5	0.6	×	139
-120 CV					120	94					95	1.2	4.6	0.9	○	140
-150 CV					150	124					125	1.4	5.8	1.4		141
-180 CV					180	154					155	1.6	7.2	2		142
-210 CV					210	184					185		8	3.1		143
F63-SLSA3/8- 90 CV	3	3/8	.49	.06	3.54	2.52	—	2.09	—	1.18	2.56	2	2.9	1.3	○	144
-120 CV					4.72	3.70					3.74	2.3	3.8	2.2		145
-150 CV					5.91	4.88					4.88	2.6	5.2	2.6		146
-180 CV					7.09	6.06					6.06	3.1	6.4	3.6		147
-210 CV					8.27	7.24					7.24	3.5	7.8	4.9		148
-240 CV					9.45	8.43					8.46	4.1	9	6.0	▲	149
-270 CV					10.63	9.61					9.61	4.6	11.2	6.8		150
-300 CV					11.81	10.79					10.79	5	12.5	8.8		151
-SLRA3/8- 90 CV	3	3/8	.73	.185	3.54	2.52	—	2.09	—	1.18	2.52	2.2	3.5	0.7	×	152
-120 CV					4.72	3.70					3.70	2.6	4.8	1.0	○	153
-150 CV					5.91	4.88					4.88	3	6.1	1.4		154
-180 CV					7.09	6.06					6.06	3.4	7.4	2.0		155
-210 CV					8.27	7.24					7.28	3.9	8.3	2.9		156
-SLFA3/8- 90 CV	3	3/8	.73	.185	3.54	2.52	—	2.09	—	1.18	2.52	2.2	3.5	0.7	×	157
-120 CV					4.72	3.70					3.70	2.6	4.8	1.0	○	158
-150 CV					5.91	4.88					4.88	3	6.1	1.4		159
-180 CV					7.09	6.06					6.06	3.4	7.4	2.0		160
-210 CV					8.27	7.24					7.28	3.9	8.3	2.9		161
F63-SLSA12- 95-M42	1	12	15	1.5	95	42	27	19.4	32	30	74	0.8	2.3	1.8	○	162
-SLSB12- 95-M42	1	12	19	3.5	95	42	27	23.4	32	30	74	0.8	2.4	1.1	○	163
-SLRA12- 75-M22	1	12	20	4	75	22	27	22.3	25	30	54	0.9	2.1	0.8	○	164
-SLFB12- 75-M22	1	12	26	7	75	22	27	28.3	42	30	54	0.9	3	0.4	×	165
-SLSA12- 90 CV	2	12	15	1.5	90	64	—	53	—	30	64	1	3.4	0.9	○	166
-120 CV					120	94					94	1.2	4.7	1.2		167
-150 CV					150	124					124	1.3	5.2	2.4		168
-180 CV					180	154					154	1.5	6.5	3.3		169
-210 CV					210	184					184	1.7	7.7	4.6		170
-240 CV					240	214					212	2	9.6	5.5	▲	171
-270 CV					270	244					244	2.2	11.8	5.4		172
-SLRA12- 90 CV	2	12	22	5	90	64	—	53	—	30	64	1	3.6	0.6	×	173
-120 CV					120	94					94	1.3	5.5	0.7		174
-150 CV					150	124					124	1.5	6.7	1.1	○	175
-180 CV					180	154					154	1.6	7.5	1.8		176
-210 CV					210	184					184	1.7	8.5	2.8		177

SLFA
SLFB

CODE	Fig.	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg lbs	N	S		Scale model
F63-SLFA12- 90 CV	2	12	22	5	90	64	—	53	—	30	64	1	3.6	0.6	×	178
-120 CV					120	94					94	1.3	5.5	0.7		179
-150 CV					150	124					124	1.5	6.7	1.1	○	180
-180 CV					180	154					154	1.6	7.5	1.8		181
-210 CV					210	184					184	1.7	8.5	2.8		182
F63-SLSA1/2- 90 CV	3	1/2	.62	.06	3.54	2.52	—	2.09	—	1.18	2.52	2.1	3.6	0.8	○	183
-120 CV					4.72	3.70					3.70	2.5	4.9	1.2		184
-150 CV					5.91	4.88					4.88	2.6	5.3	2.4		185
-180 CV					7.09	6.06					6.06	3	6.7	3.4		186
-210 CV					8.27	7.24					7.17	3.6	9.3	3.6		187
-240 CV					9.45	8.43					8.35	4.1	11.5	4.3	▲	188
-270 CV					10.63	9.61					9.53	4.7	13.3	5.1		189
-SLRA1/2- 90 CV	3	1/2	.89	.20	3.54	2.52	—	2.09	—	1.18	2.44	2.2	4	0.5	×	190
-120 CV					4.72	3.70					3.70	2.9	5.7	0.7		191
-150 CV					5.91	4.88					4.88	3.3	7	1.1	○	192
-180 CV					7.09	6.06					5.98	3.3	8.3	1.9		193
-210 CV					8.27	7.24					7.24	4.4	10.4	2.0		194
-SLFA1/2- 90 CV	3	1/2	.89	.20	3.54	2.52	—	2.09	—	1.18	2.44	2.2	4	0.5	×	195
-120 CV					4.72	3.70					3.70	2.9	5.7	0.7		196
-150 CV					5.91	4.88					4.88	3.3	7	1.1	○	197
-180 CV					7.09	6.06					5.98	3.3	8.3	1.9		198
-210 CV					8.27	7.24					7.24	4.4	10.4	2.0		199
-SLFB16- 75-M22	1	16	32	8	75	22	27	34.3	42	32	54	1	3.1	0.3		200
F63-SLSB16- 90 CV	2	16	21	2.5	90	64	—	53	—	32	62	1.1	3.9	0.6		201
-120 CV					120	94					92	1.4	5.8	0.8		202
-150 CV					150	124					122	1.5	6.9	1.5		203
-180 CV					180	154					152	1.9	8.8	1.9		204
-210 CV					210	184					182	2	9.9	3		205
-240 CV					240	214					212	2.3	11.8	3.7		206
-270 CV					270	244					242	2.7	13.7	4.6		207
F63-SLSB5/8- 90 CV	3	5/8	.82	.10	3.54	2.52	—	2.09	—	1.26	2.44	2.1	3.9	0.6		208
-120 CV					4.72	3.70					3.62	2.7	5.9	0.8		209
-150 CV					5.91	4.88					4.80	2.9	7	1.5		210
-180 CV					7.09	6.06					5.98	3.5	9	1.9		211
-210 CV					8.27	7.24					7.17	3.7	10.1	3.0		212
-240 CV					9.45	8.43					8.35	4.3	12.1	3.7		213
-270 CV					10.63	9.61					9.53	4.8	14.1	4.6		214
-SLFB20- 75-M22※1	1	20	38	9	75	22	27	40.3	50	40	53	1.1	3.6	0.3		215
F63-SLSB20- 90 CV	2	20	26	3	90	64	—	51	—	40	62	1.1	4.2	0.5		216
-120 CV					120	94		53			92	1.4	6.2	0.8		217
-150 CV					150	124					122	1.6	7.6	1.3		218
-180 CV					180	154					152	2	9.6	1.8		219
-210 CV					210	184					182	2.3	11.6	2.3		220
-240 CV					240	214					212	2.6	13.7	3		221
-270 CV					270	244					242	3.1	16.3	3.4		222
F63-SLSB3/4- 90 CV	3	3/4	.99	.12	3.54	2.52	—	2.09	—	1.50	2.44	2.2	4.1	0.6		223
-120 CV					4.72	3.70					3.62	2.7	6.3	0.8		224
-150 CV					5.91	4.88					4.80	2.9	7.6	1.4		225
-180 CV					7.09	6.06					5.98	3.5	9.7	1.8		226
-210 CV					8.27	7.24					7.17	4	11.8	2.4		227
-240 CV					9.45	8.43					8.35	4.5	14	3.1		228
-270 CV					10.63	9.61					9.53	5.1	16.1	3.9		229
F63-SLFB25- 75-M22	1	25	45	10	75	22	27	47.3	50	45	53	1.1	3.7	0.2		230

※1 When shrinking the SLFB20 with HEAT ROBO DENJI 5000(HRD-02S), the standard heating coil cannot be used. Please use the heating coil No.4.

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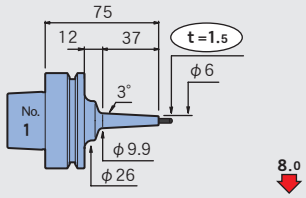
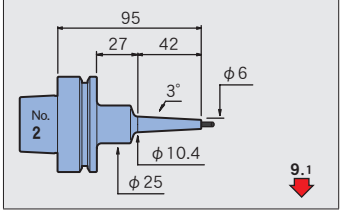
F63-SLSA3-75-M37



F63-SLSA3-95-M42



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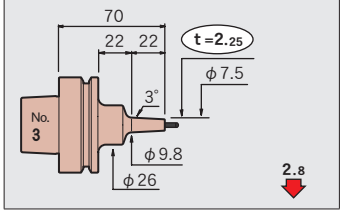

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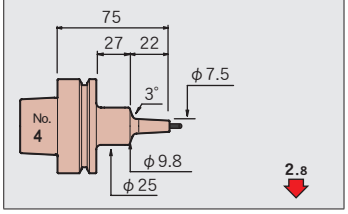

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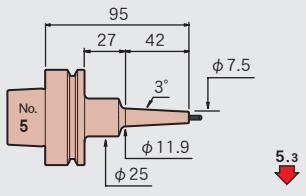

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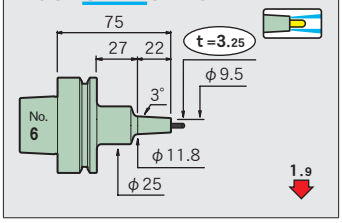

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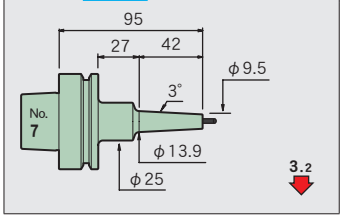

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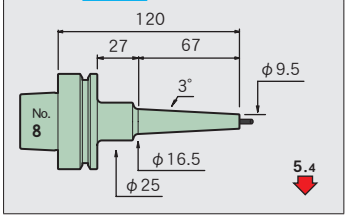

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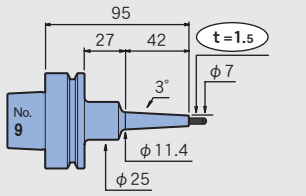
F63-SLSA4-95-M42



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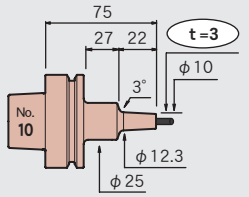

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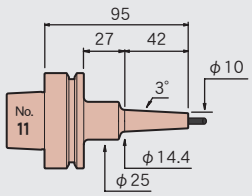
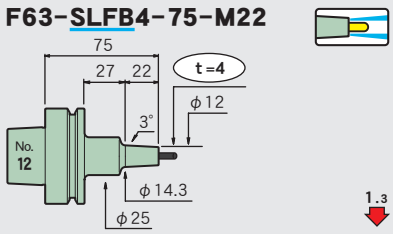
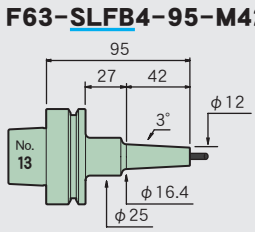


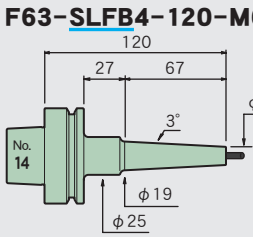
F63-SLFB4-75-M22



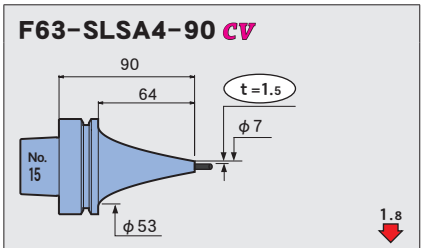
F63-SLFB4-95-M42



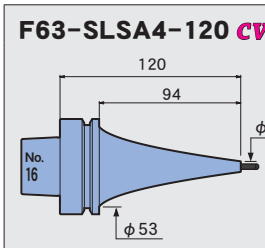
F63-SLFB4-120-M67



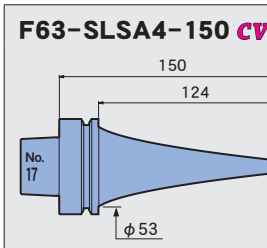
F63-SLSA4-90 CV



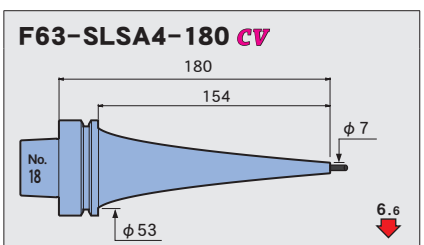
F63-SLSA4-120 CV



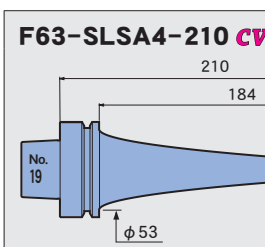
F63-SLSA4-150 CV



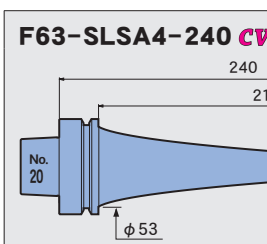
F63-SLSA4-180 CV



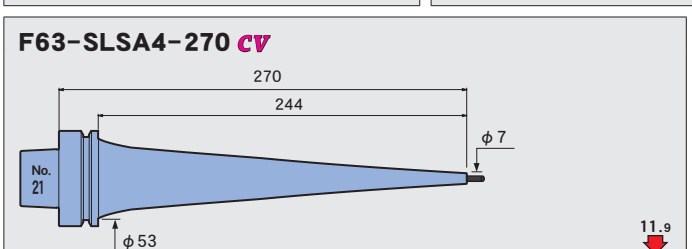
F63-SLSA4-210 CV



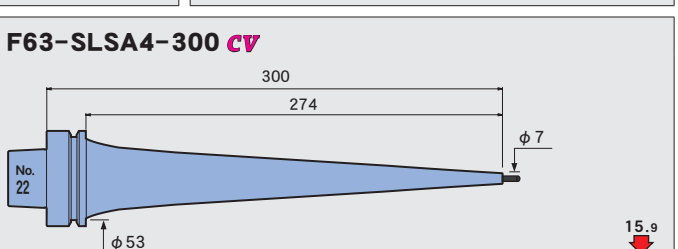
F63-SLSA4-240 CV



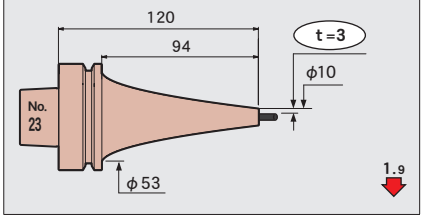
F63-SLSA4-270 CV



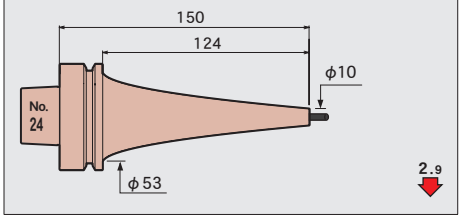
F63-SLSA4-300 CV



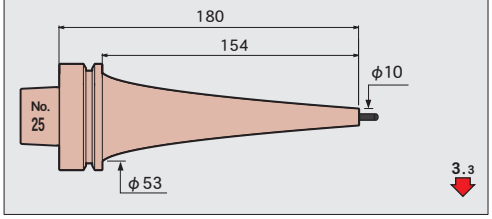
F63-SLRA4-120 CV



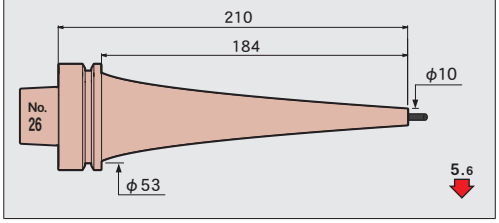
F63-SLRA4-150 CV



F63-SLRA4-180 CV



F63-SLRA4-210 CV



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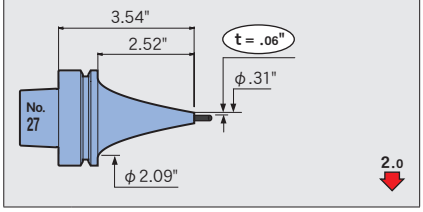
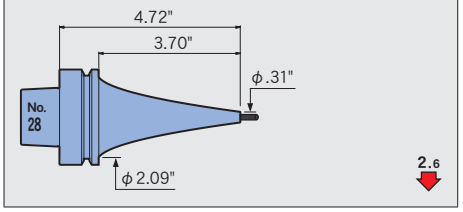
F63-SLSA3/16-90 CV



F63-SLSA3/16-120 CV



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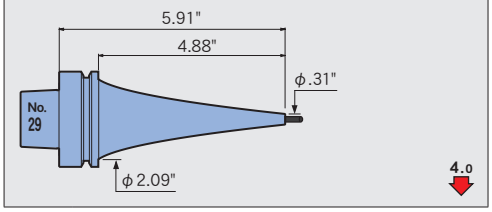

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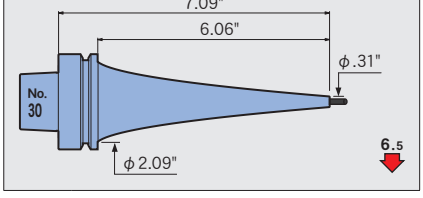

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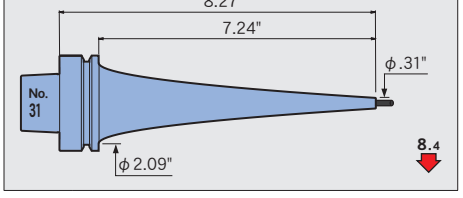

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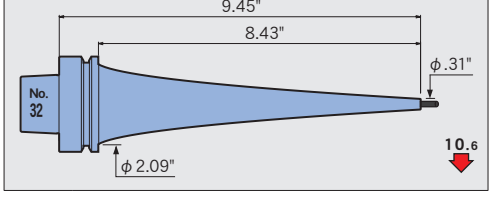

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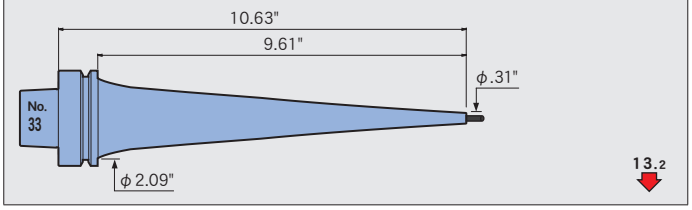
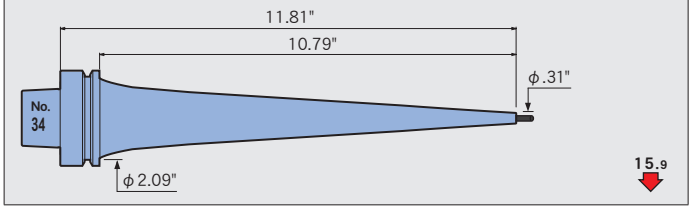
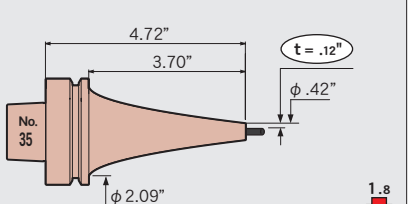


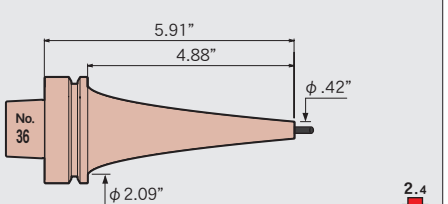
F63-SLSA3/16-300 CV



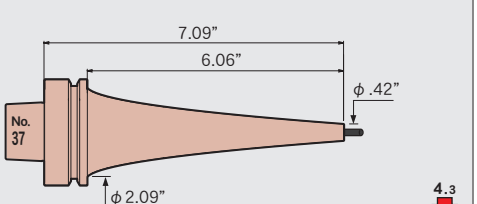
F63-SLRA3/16-120 CV



F63-SLRA3/16-150 CV



F63-SLRA3/16-180 CV



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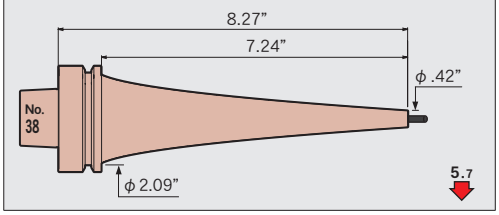

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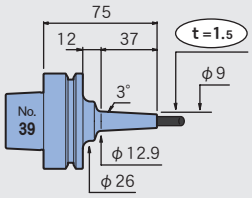
F63-SLSA6-75-M37



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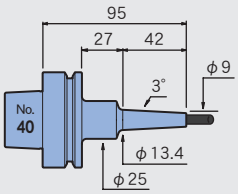
F63-SLSA6-95-M42



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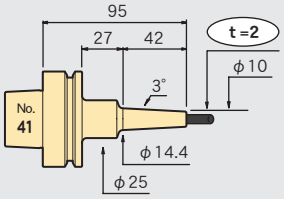

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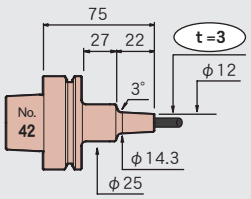
F63-SLRA6-75-M22



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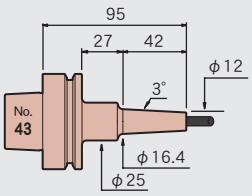
F63-SLRA6-95-M42



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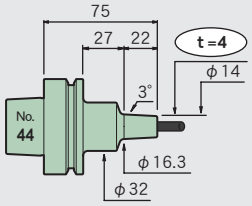
F63-SLFB6-75-M22



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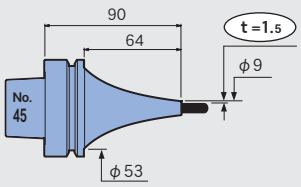
F63-SLSA6-90 CV



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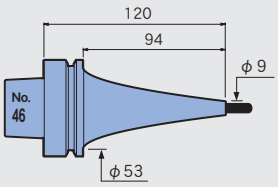
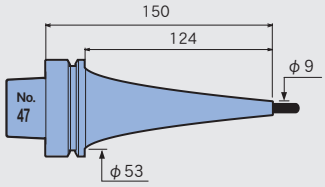
F63-SLSA6-120 CV



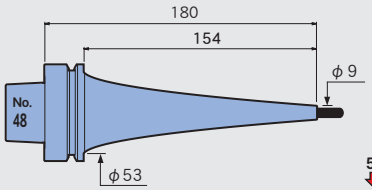
2.3

F63-SLSA6-150 CV



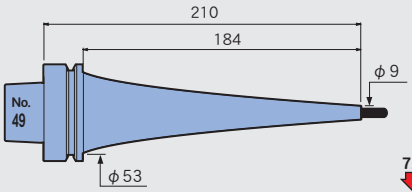
3.6

F63-SLSA6-180 CV



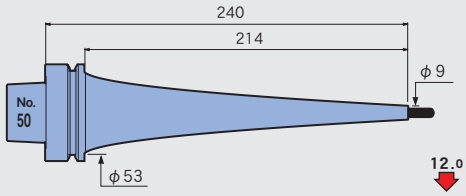
5.7

F63-SLSA6-210 CV



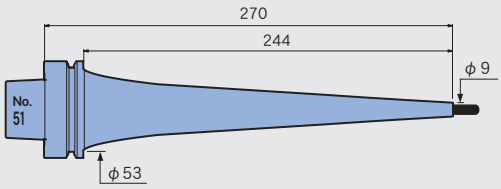
7.3

F63-SLSA6-240 CV



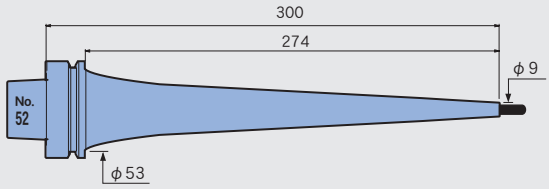
12.0

F63-SLSA6-270 CV



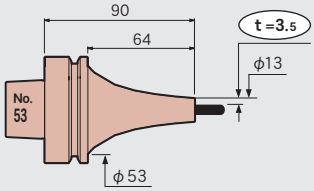
8.5

F63-SLSA6-300 CV



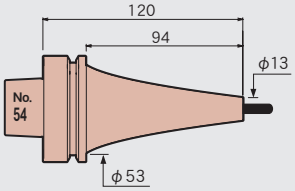
11.7

F63-SLRA6-90 CV



0.8

F63-SLRA6-120 CV



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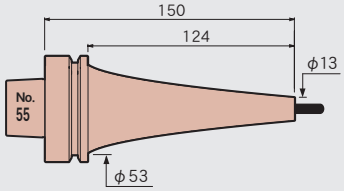
F63-SLRA6-150 CV



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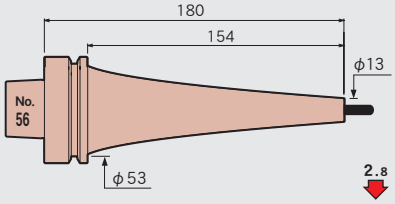
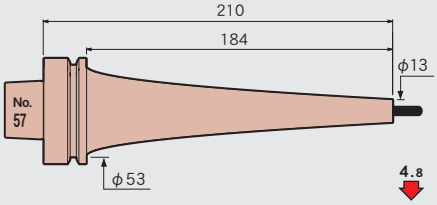
F63-SLRA6-180 CV



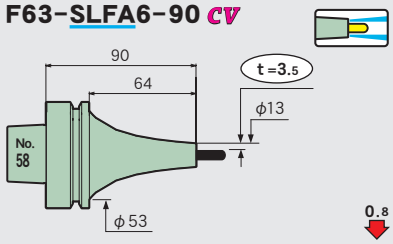
2.8

F63-SLRA6-210 CV

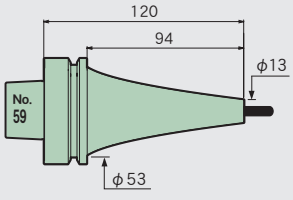


4.8

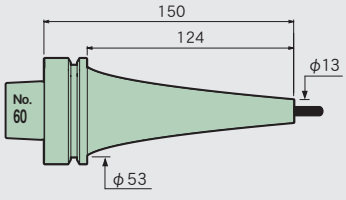
F63-SLFA6-90 CV



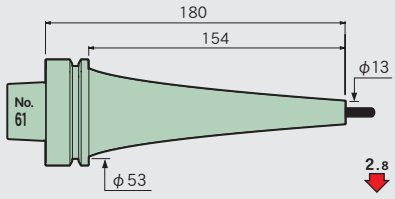
F63-SLFA6-120 CV



F63-SLFA6-150 CV



F63-SLFA6-180 CV



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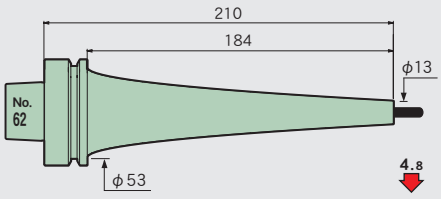

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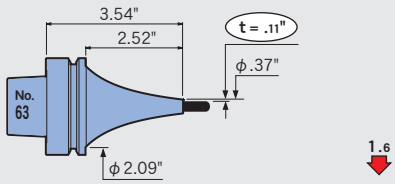
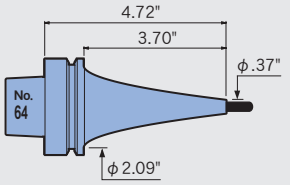
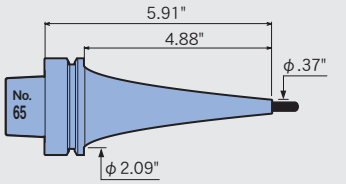
F63-SLSA1/4-90 CV



F63-SLSA1/4-120 CV



F63-SLSA1/4-150 CV



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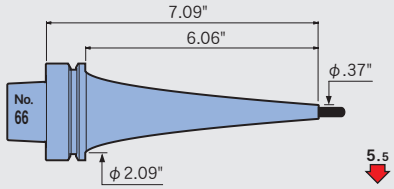

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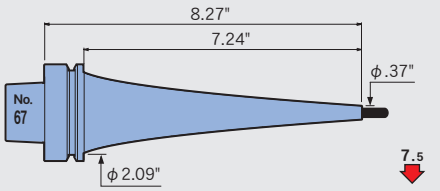
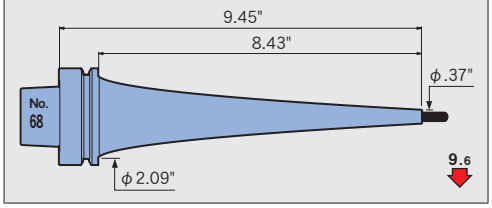
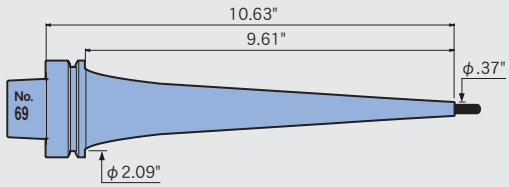


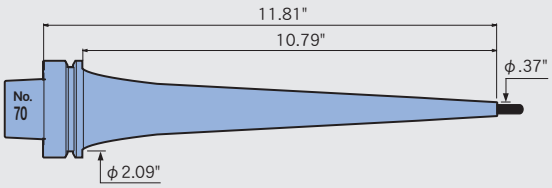
F63-SLSA1/4-240 CV



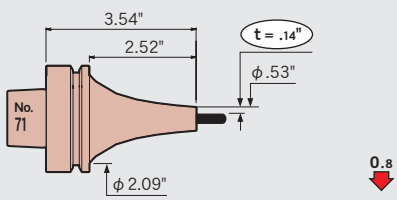
F63-SLSA1/4-270 CV



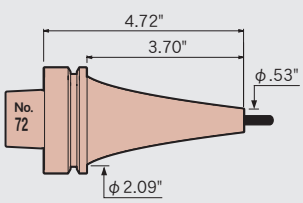
F63-SLSA1/4-300 CV



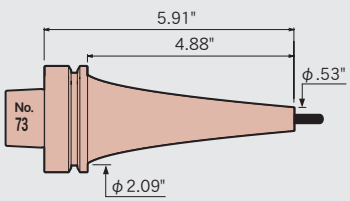
F63-SLRA1/4-90 CV



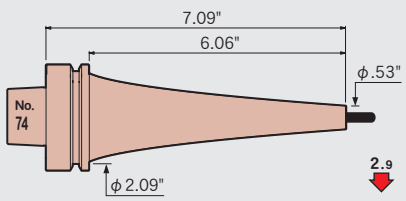
F63-SLRA1/4-120 CV



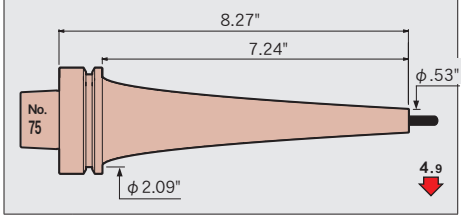
F63-SLRA1/4-150 CV



F63-SLRA1/4-180 CV



F63-SLRA1/4-210 CV



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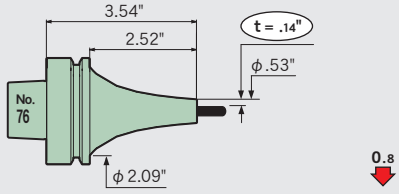
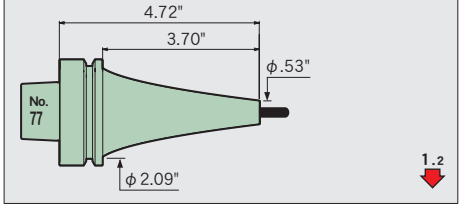
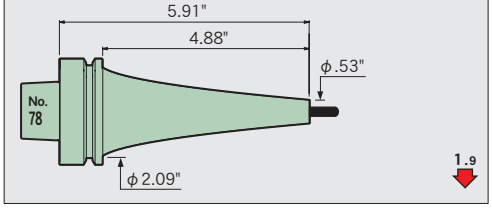
F63-SLFA1/4-90 CV



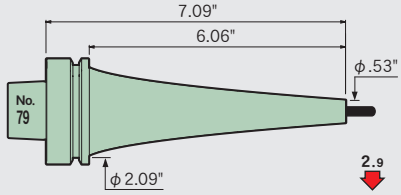
F63-SLFA1/4-120 CV



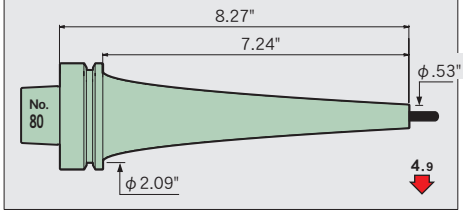
F63-SLFA1/4-150 CV



F63-SLFA1/4-180 CV



F63-SLFA1/4-210 CV



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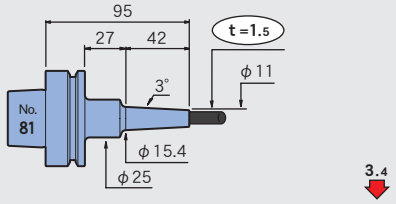
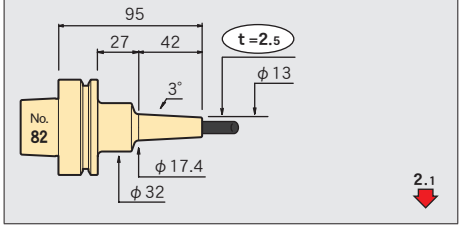
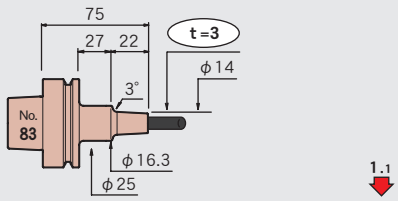
F63-SLSA8-95-M42



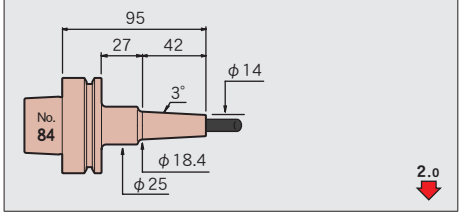
F63-SLSB8-95-M42



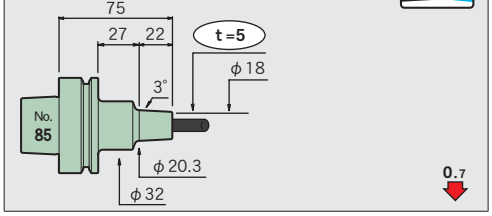
F63-SLRA8-75-M22



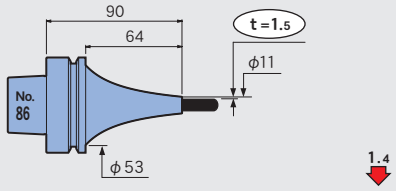
F63-SLRA8-95-M42



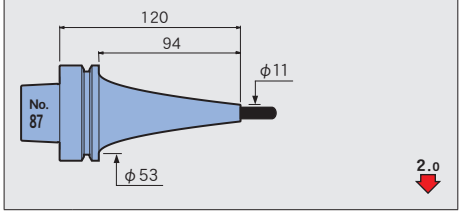
F63-SLFB8-75-M22



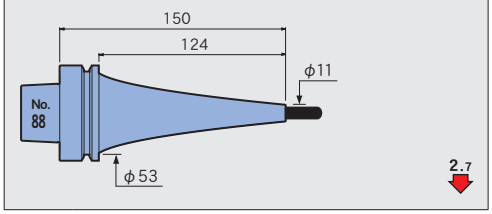
F63-SLSA8-90 CV



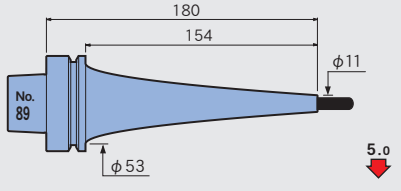
F63-SLSA8-120 CV



F63-SLSA8-150 CV



F63-SLSA8-180 CV



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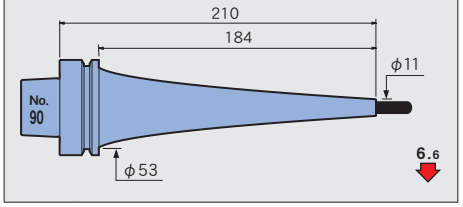
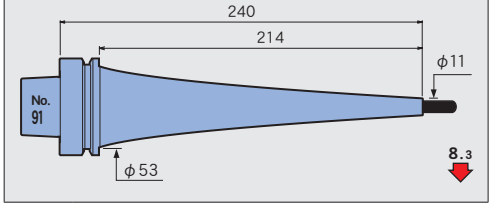
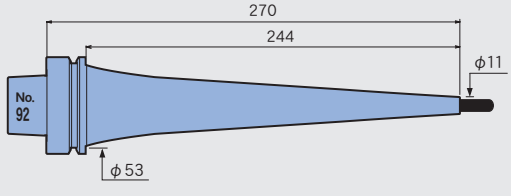


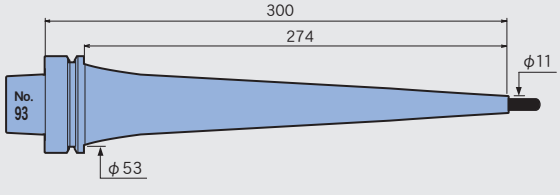
F63-SLSA8-240 CV



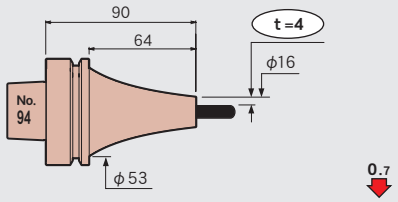
F63-SLSA8-270 CV



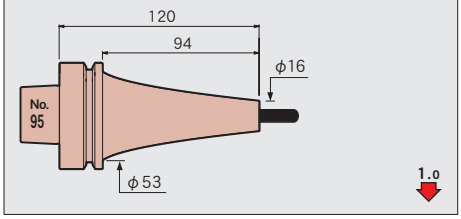
F63-SLSA8-300 CV



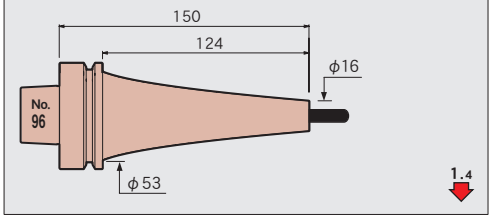
F63-SLRA8-90 CV



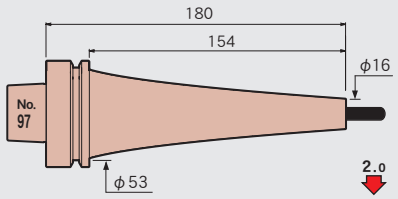
F63-SLRA8-120 CV



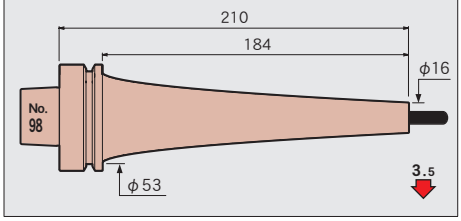
F63-SLRA8-150 CV



F63-SLRA8-180 CV



F63-SLRA8-210 CV



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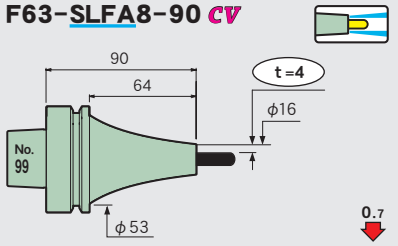
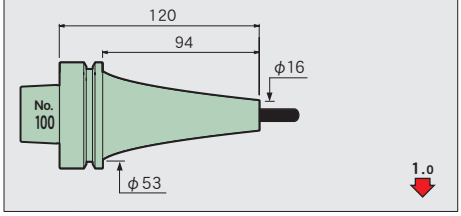
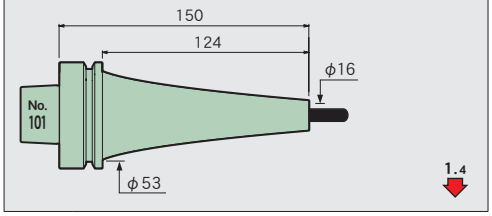


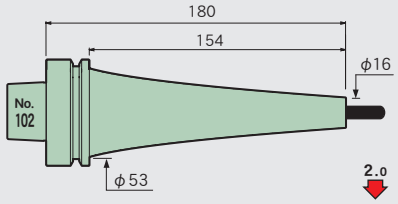
F63-SLFA8-120 CV



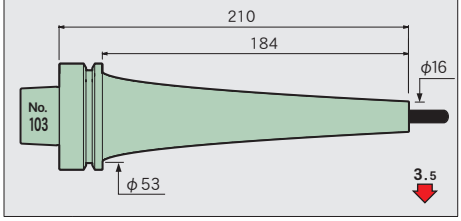
F63-SLFA8-150 CV



F63-SLFA8-180 CV



F63-SLFA8-210 CV



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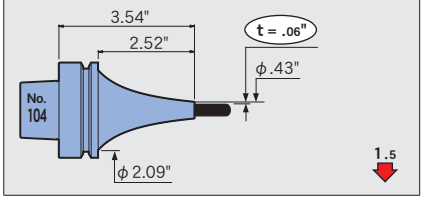
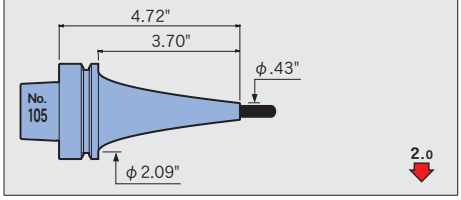
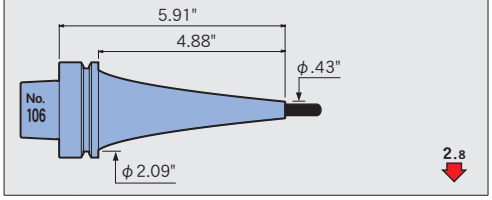
F63-SLSA5/16-90 CV



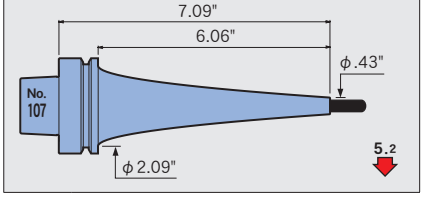
F63-SLSA5/16-120 CV



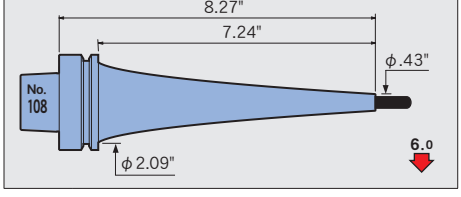
F63-SLSA5/16-150 CV



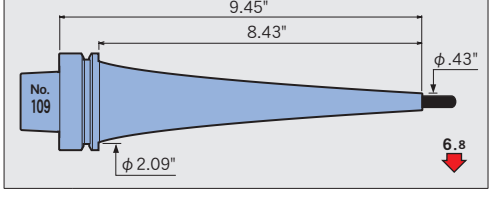
F63-SLSA5/16-180 CV



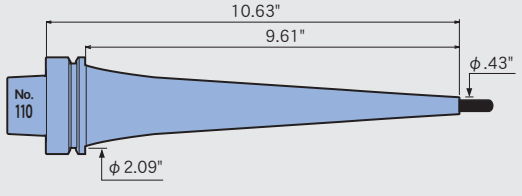
F63-SLSA5/16-210 CV



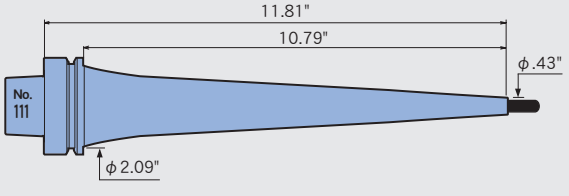
F63-SLSA5/16-240 CV



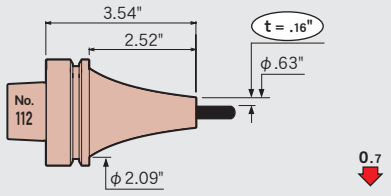
F63-SLSA5/16-270 CV



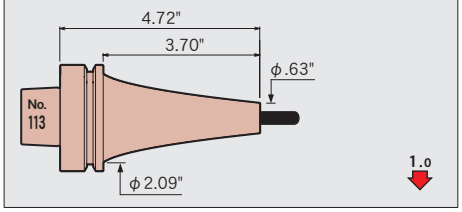
F63-SLSA5/16-300 CV



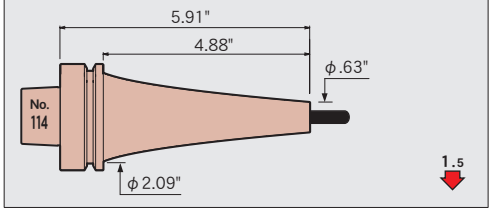
F63-SLRA5/16-90 CV



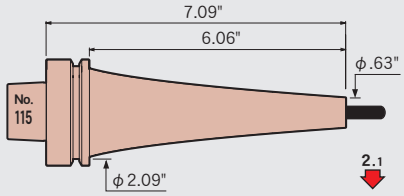
F63-SLRA5/16-120 CV



F63-SLRA5/16-150 CV



F63-SLRA5/16-180 CV



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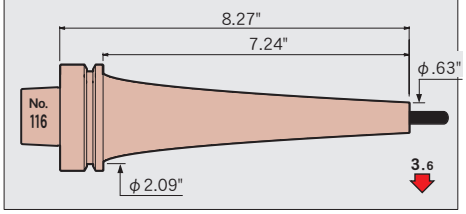
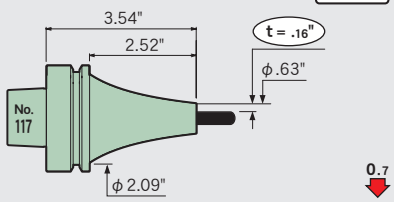
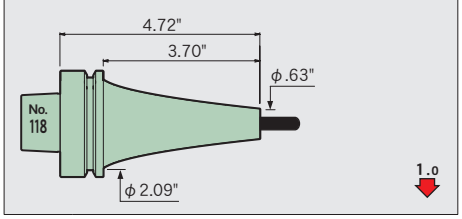


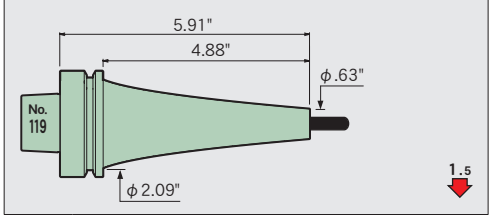
F63-SLFA5/16-90 CV



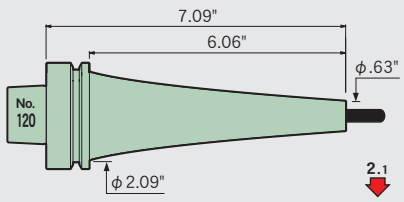
F63-SLFA5/16-120 CV



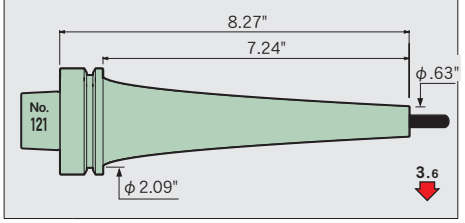
F63-SLFA5/16-150 CV



F63-SLFA5/16-180 CV



F63-SLFA5/16-210 CV



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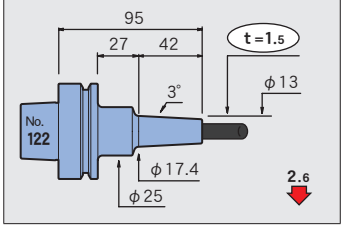
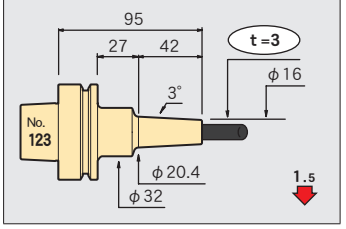
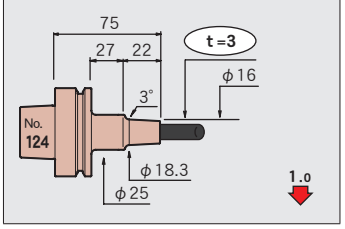
F63-SLSA10-95-M42



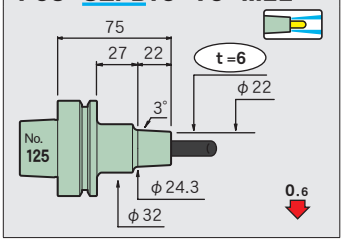
F63-SLSB10-95-M42



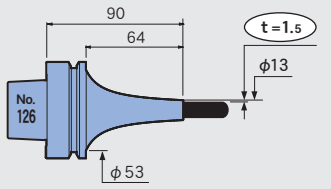
F63-SLRA10-75-M22



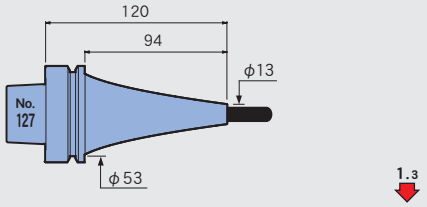
F63-SLFB10-75-M22



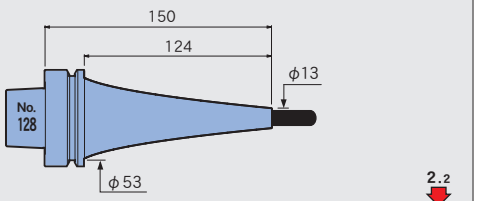
F63-SLSA10-90 CV



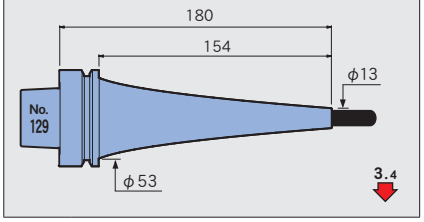
F63-SLSA10-120 CV



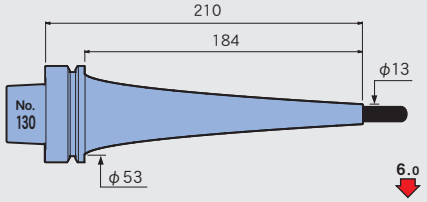
F63-SLSA10-150 CV



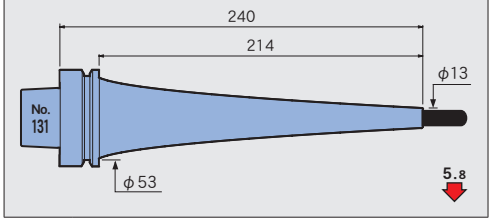
F63-SLSA10-180 CV



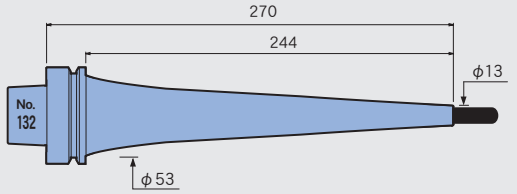
F63-SLSA10-210 CV



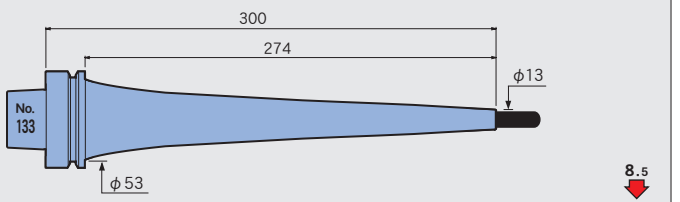
F63-SLSA10-240 CV



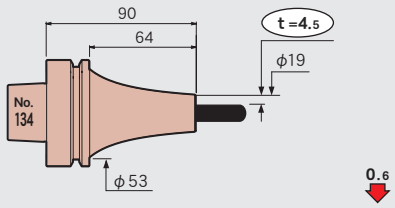
F63-SLSA10-270 CV



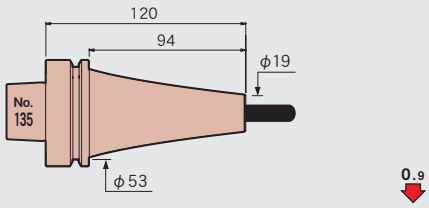
F63-SLSA10-300 CV



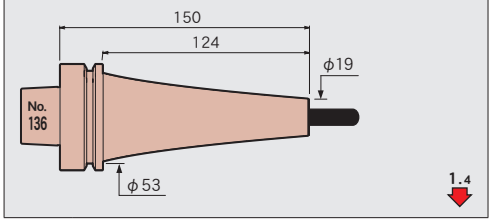
F63-SLRA10-90 CV



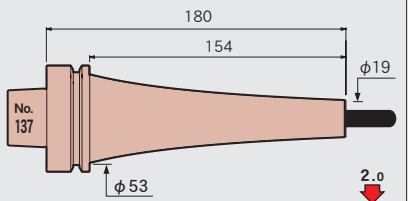
F63-SLRA10-120 CV



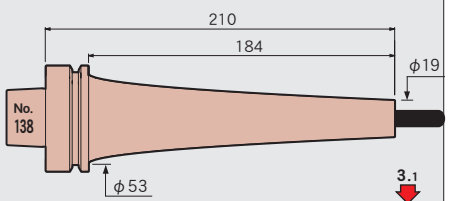
F63-SLRA10-150 CV



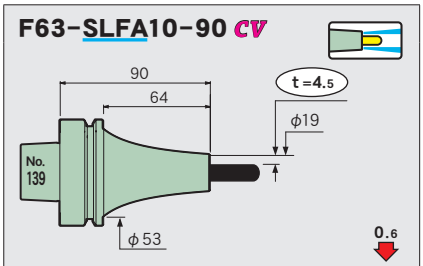
F63-SLRA10-180 CV



F63-SLRA10-210 CV



F63-SLFA10-90 CV



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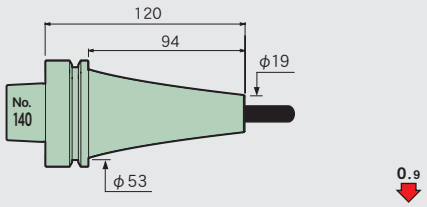
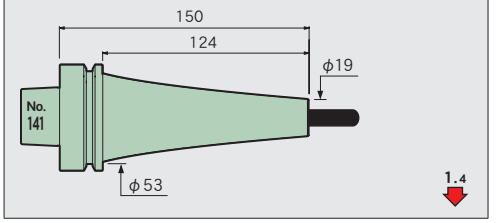
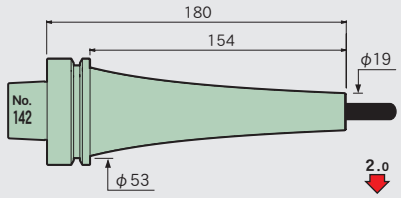


F63-SLFA10-150 CV

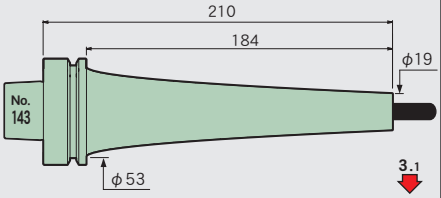


F63 S=1:5

F63-SLFA10-180 CV



F63-SLFA10-210 CV



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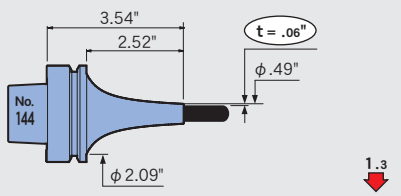
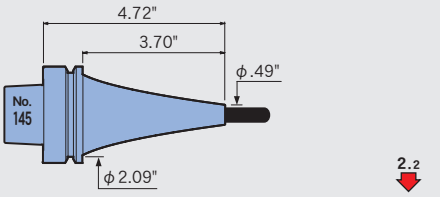
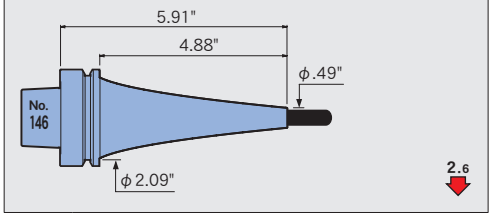
F63-SLSA3/8-90 CV



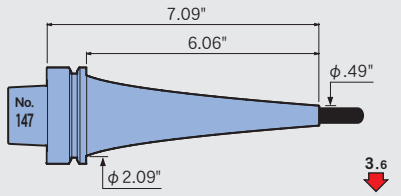
F63-SLSA3/8-120 CV



F63-SLSA3/8-150 CV



F63-SLSA3/8-180 CV



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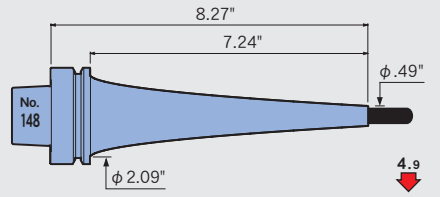
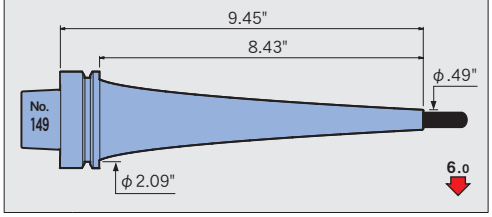
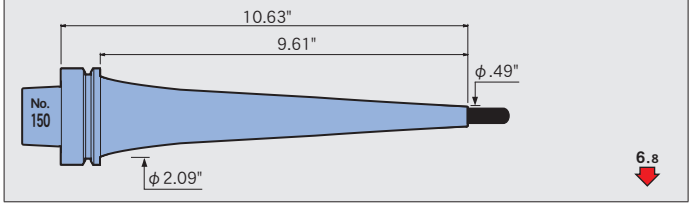


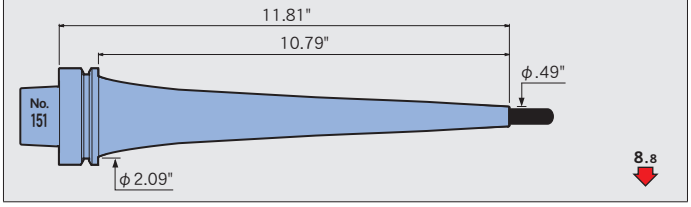
F63-SLSA3/8-240 CV



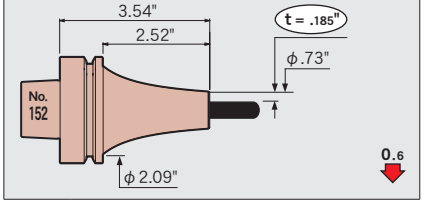
F63-SLSA3/8-270 CV



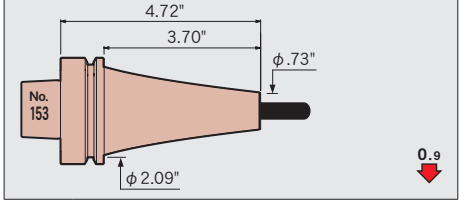
F63-SLSA3/8-300 CV



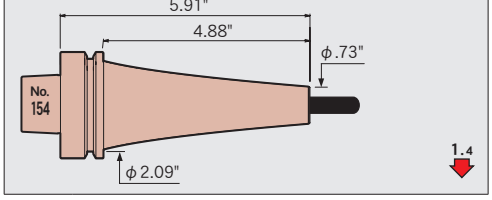
F63-SLRA3/8-90 CV



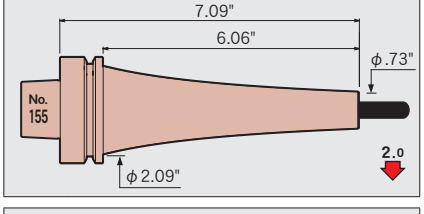
F63-SLRA3/8-120 CV



F63-SLRA3/8-150 CV



F63-SLRA3/8-180 CV



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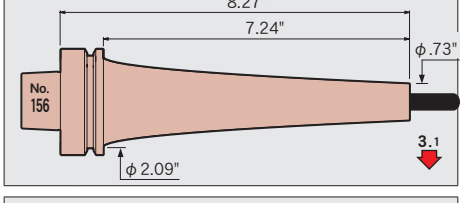
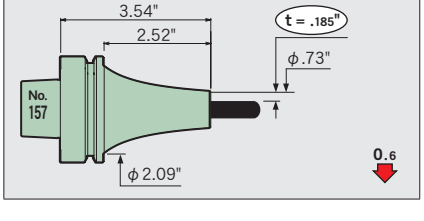
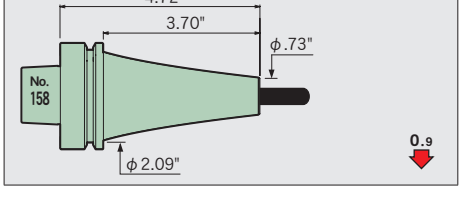


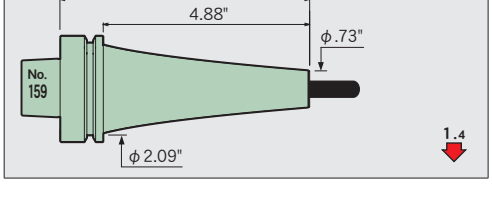
F63-SLFA3/8-90 CV



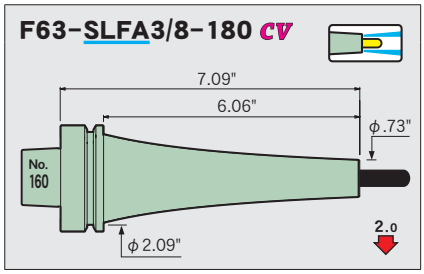
F63-SLFA3/8-120 CV



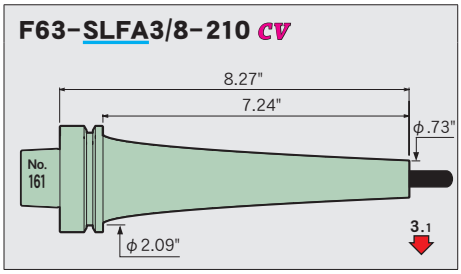
F63-SLFA3/8-150 CV



F63-SLFA3/8-180 CV

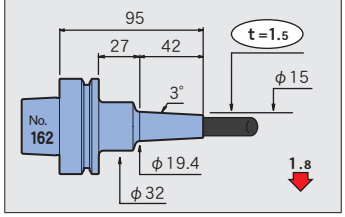


F63-SLFA3/8-210 CV

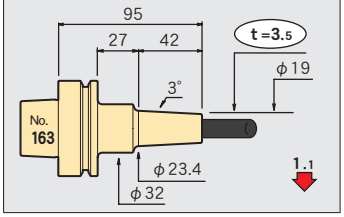


ϕ12

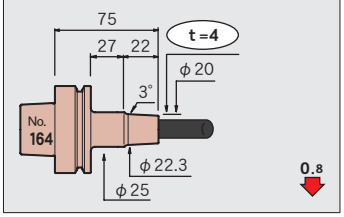
F63-SLSA12-95-M42



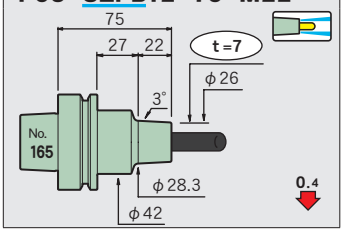
F63-SLSB12-95-M42



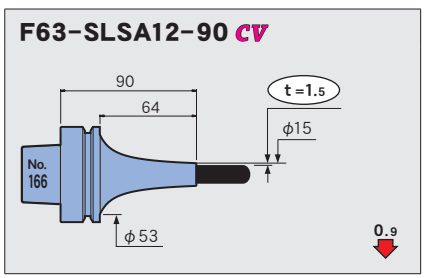
F63-SLRA12-75-M22



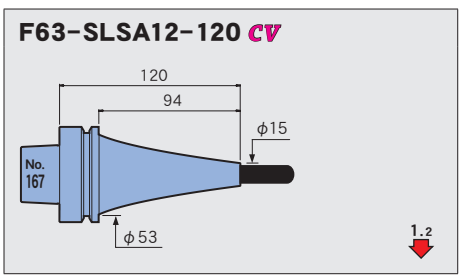
F63-SLFB12-75-M22



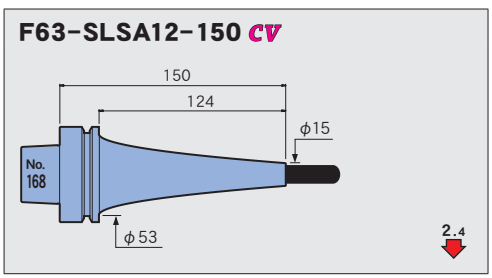
F63-SLSA12-90 CV



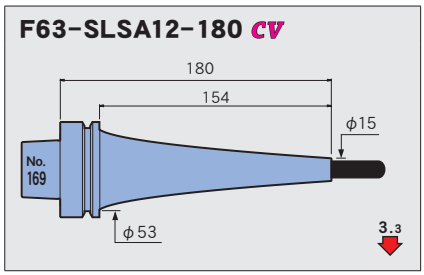
F63-SLSA12-120 CV



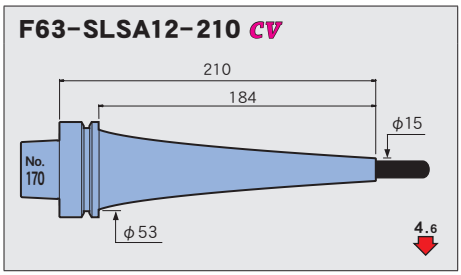
F63-SLSA12-150 CV



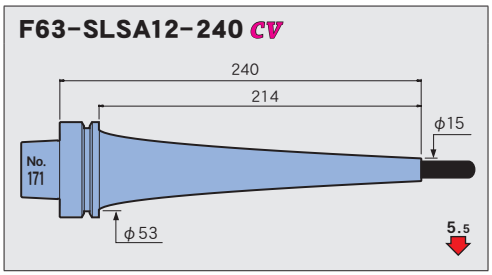
F63-SLSA12-180 CV



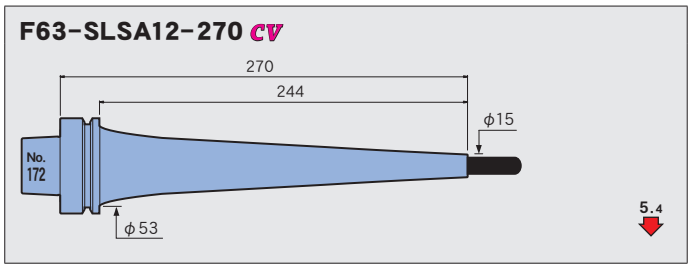
F63-SLSA12-210 CV



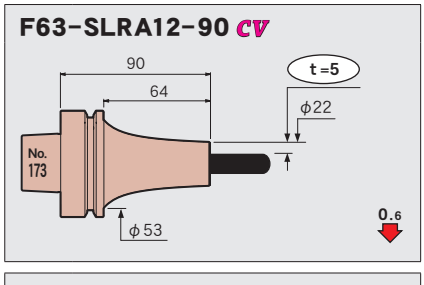
F63-SLSA12-240 CV



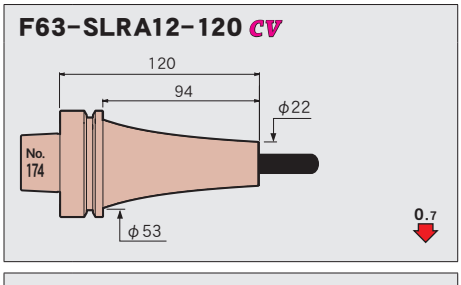
F63-SLSA12-270 CV



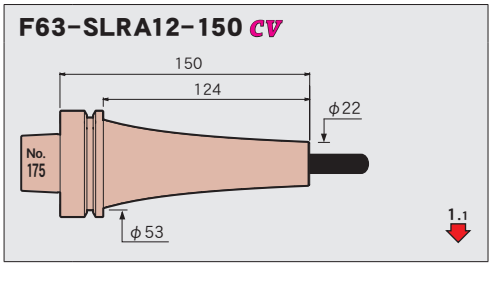
F63-SLRA12-90 CV



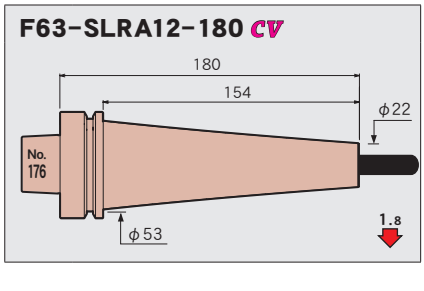
F63-SLRA12-120 CV



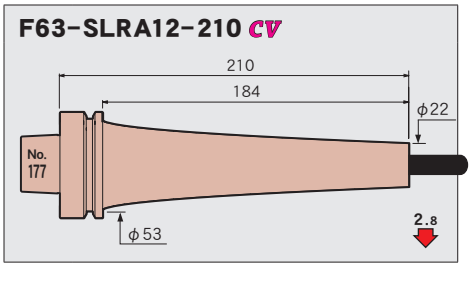
F63-SLRA12-150 CV



F63-SLRA12-180 CV

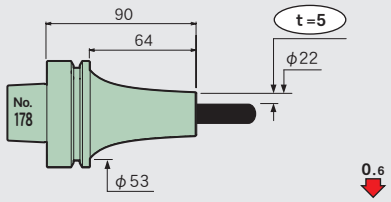


F63-SLRA12-210 CV

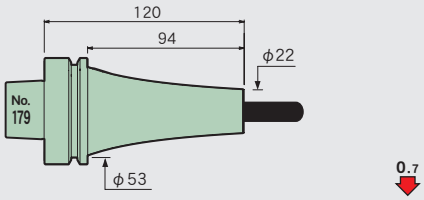


F63 S=1:5

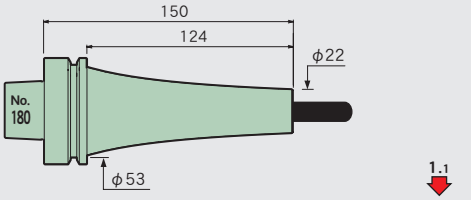
F63-SLFA12-90 CV



F63-SLFA12-120 CV



F63-SLFA12-150 CV



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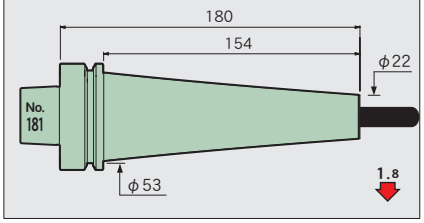

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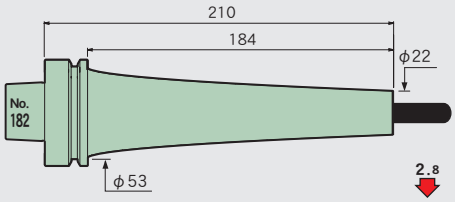

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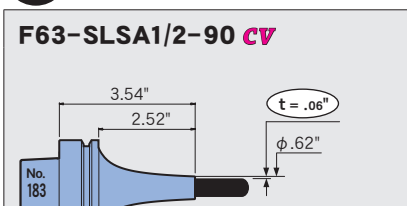
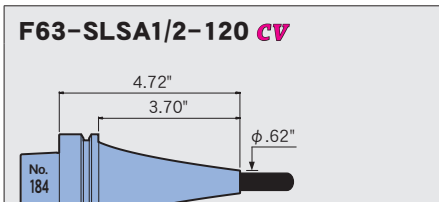
F63-SLSA1/2-90 CV



F63-SLSA1/2-120 CV



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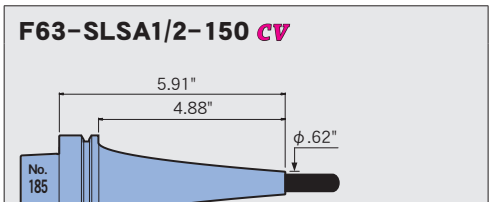
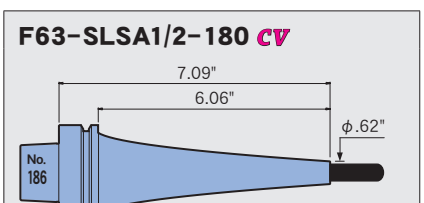
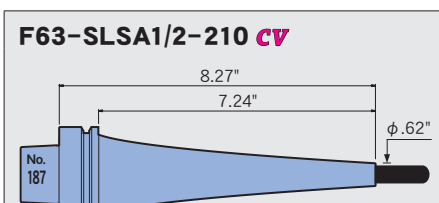


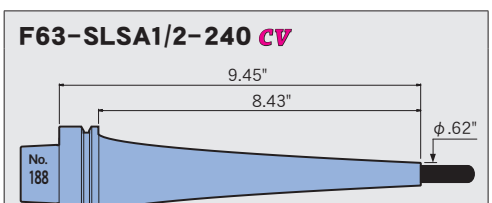
F63-SLSA1/2-180 CV



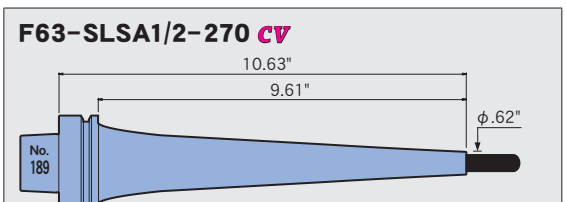
F63-SLSA1/2-210 CV



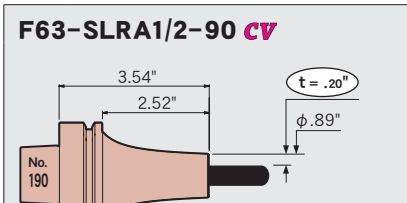
F63-SLSA1/2-240 CV



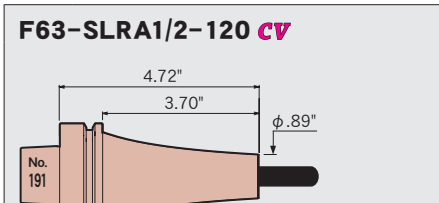
F63-SLSA1/2-270 CV



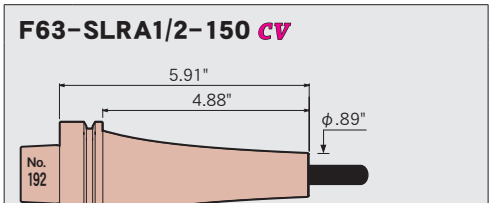
F63-SLRA1/2-90 CV



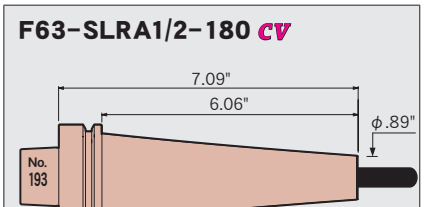
F63-SLRA1/2-120 CV



F63-SLRA1/2-150 CV



F63-SLRA1/2-180 CV



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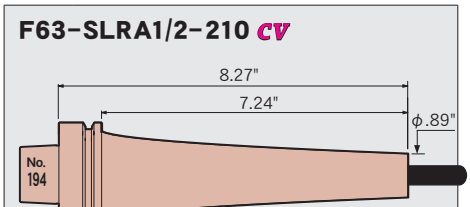

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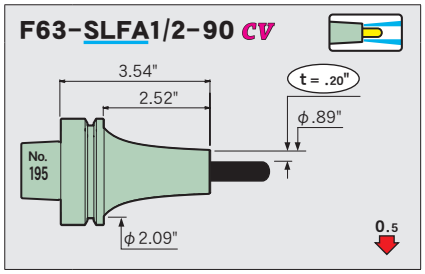

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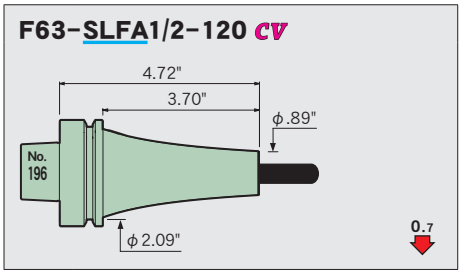
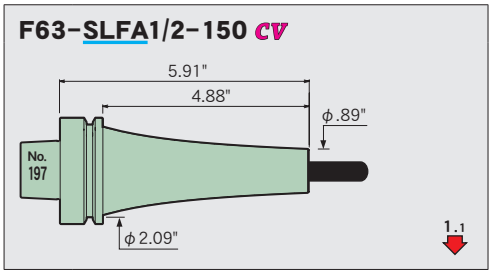
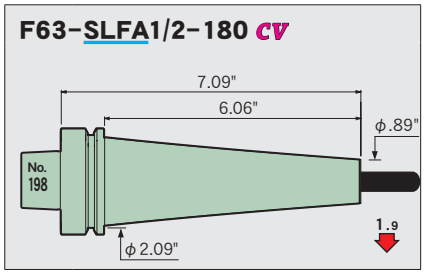


F63-SLFA1/2-150 CV



F63-SLFA1/2-180 CV



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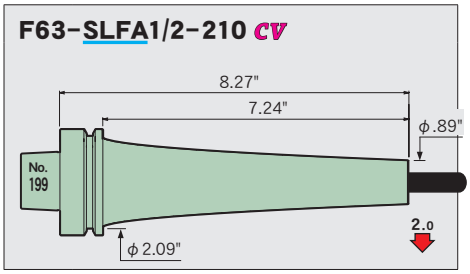
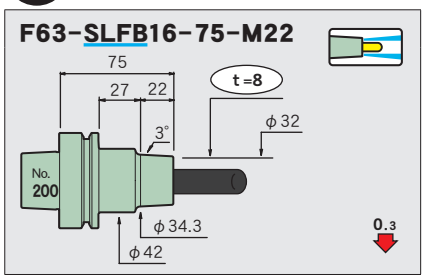
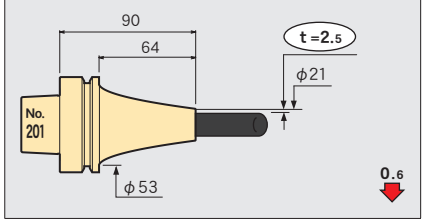


ϕ16

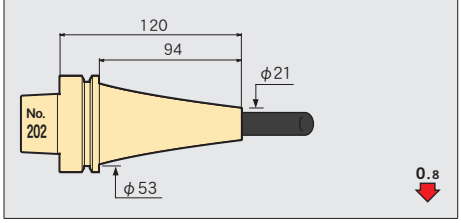
F63-SLFB16-75-M22



F63-SLSB16-90 CV



F63-SLSB16-120 CV



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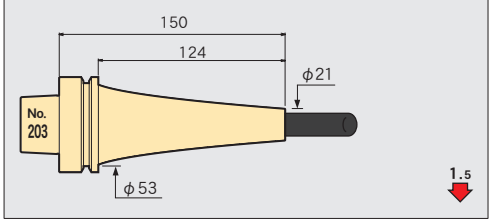

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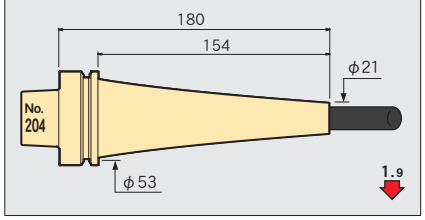

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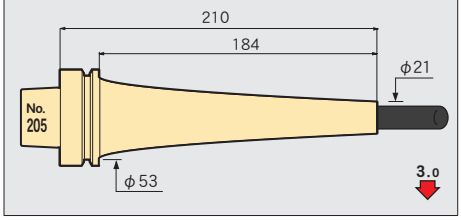

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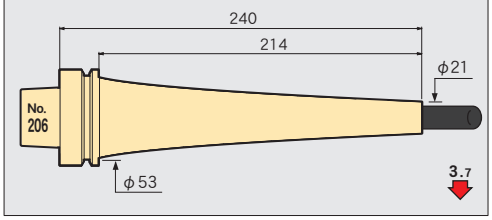

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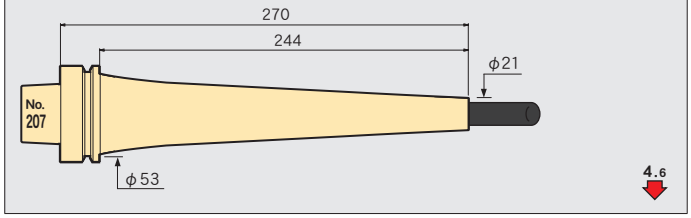
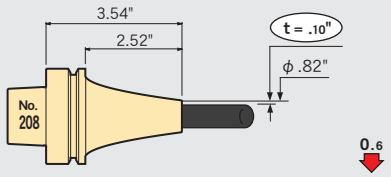
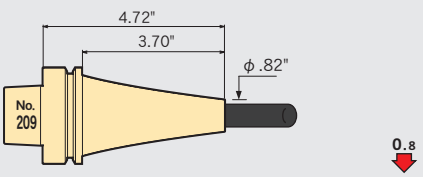


ϕ 5/8

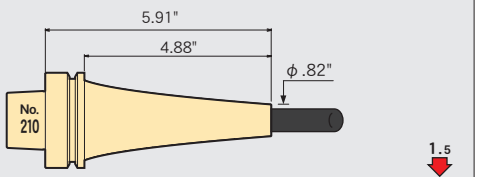
F63-SLSB5/8-90 CV



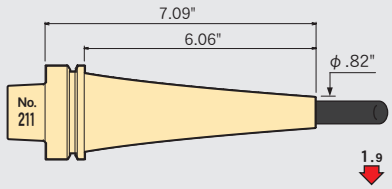
F63-SLSB5/8-120 CV



F63-SLSB5/8-150 CV



F63-SLSB5/8-180 CV



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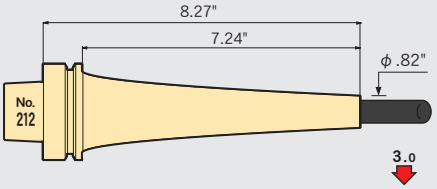

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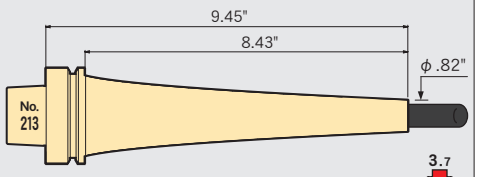
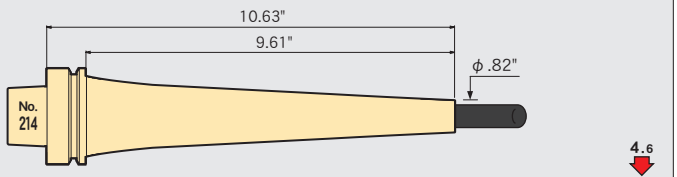
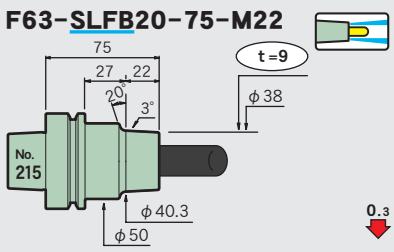


F63-SLSB5/8-270 CV



ϕ 20

F63-SLFB20-75-M22



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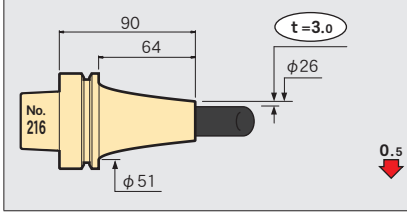
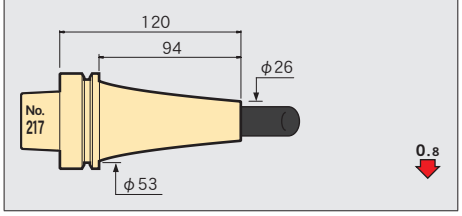
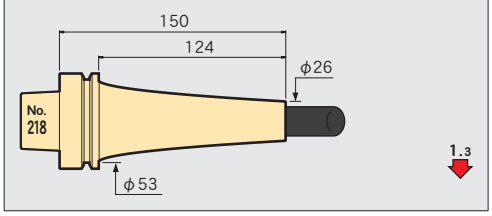


F63-SLSB20-120 CV



F63-SLSB20-150 CV



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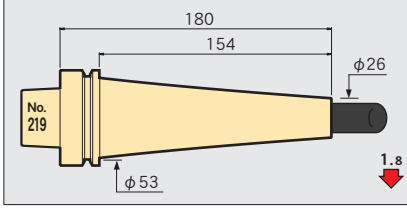
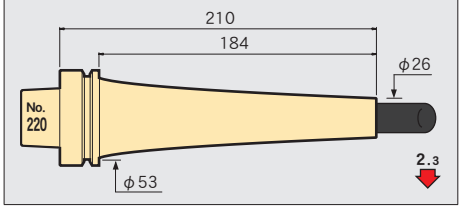
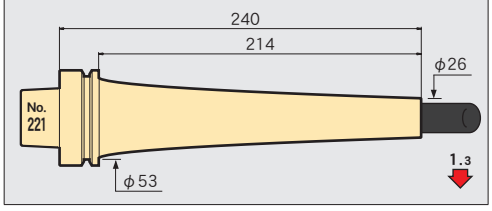


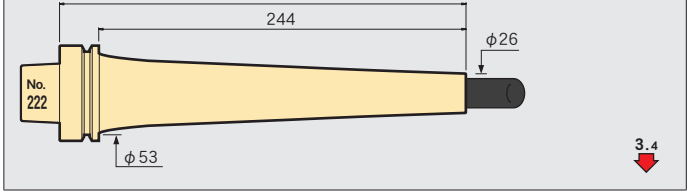
F63-SLSB20-210 CV



F63-SLSB20-240 CV

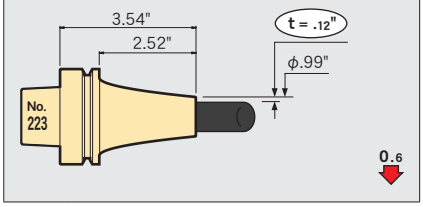


F63-SLSB20-270 CV

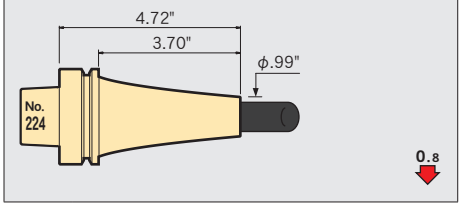


ϕ3/4

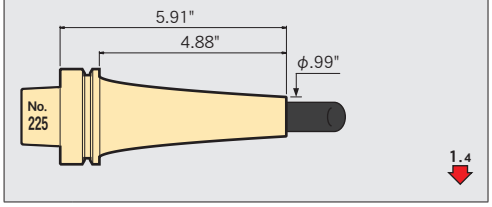
F63-SLSB3/4-90 CV



F63-SLSB3/4-120 CV



F63-SLSB3/4-150 CV



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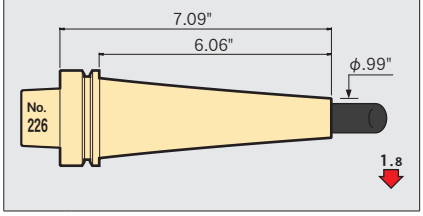

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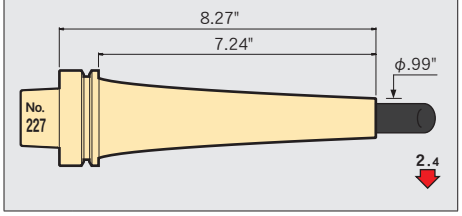

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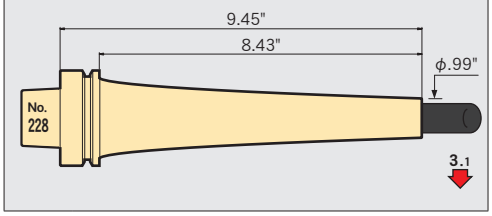

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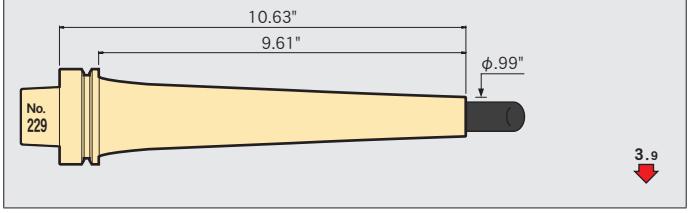
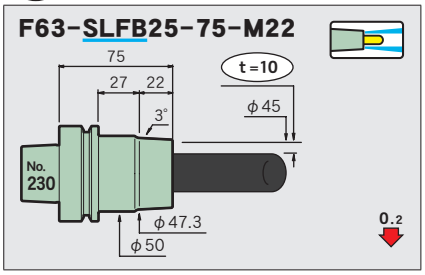


ϕ25

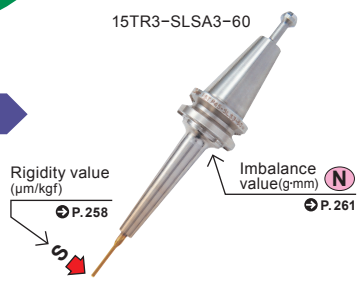
F63-SLFB25-75-M22

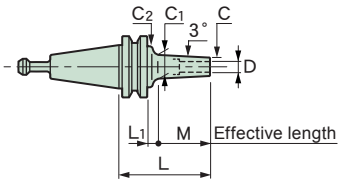


15T

MONO 3°

15TR3-SLSA3-60

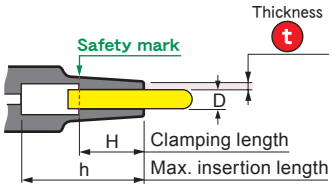




Compatibility table for HRD-01S

[○] Available [×] Not available

■Caution
・Setting cutters･･･Be sure to insert the tool beyond the safety mark.



BROTHER TC-20A TC-20B

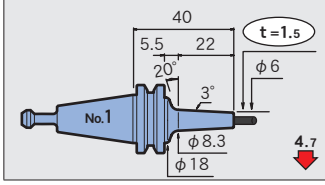
Thickness

CODE	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg	N	S		Scale model
15TR3-SLSA 3-40	3	6	1.5	40	22	5.5	8.3	18	9	46	0.1	0.3	4.7	○	1
-60				60	42		10.4			66			9.3		2
15TR3-SLSA3.175-40	3.175	6.175	1.5	40	22	5.5	8.5	18	9	46	0.1	0.3	4.4	○	3
-60				60	42		10.6			66			8.8		4
15TR3-SLSA 4-40	4	7	1.5	40	22	5.5	9.3	18	12	46	0.1	0.3	3.6	○	5
-60				60	42		11.4			66			7.3		6
15TR3-SLSA 5-40	5	8	1.5	40	22	5.5	10.3	18	15	46	0.1	0.3	2.9	○	7
-60				60	42		12.4			66			5.9		8
15TR3-SLSA 6-60	6	9	1.5	60	42	5.5	13.4	18	18	66	0.1	0.4	4.9	○	9
-SLRA 6-35		12	3	35	19.6	2.9	14.1	—		46		0.2	1.2		10
15TR3-SLRA 8-35	8	14	3	35	19.6	2.9	16.1	—	20	51	0.1	0.3	0.9	×	11
15TR3-SLRA10-35	10	16	3	35	19.6	2.9	18.1	—	20	51	0.1	0.4	0.8	×	12

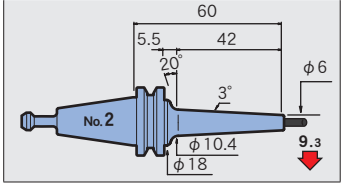
S=1:3

φ3

15TR3-SLSA3-40

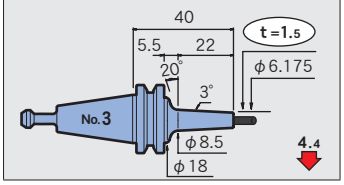


15TR3-SLSA3-60

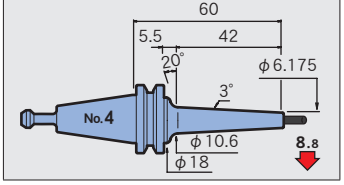


φ3.175

15TR3-SLSA3.175-40

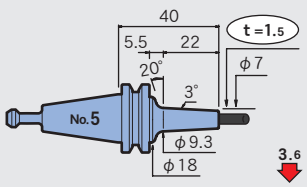


15TR3-SLSA3.175-60

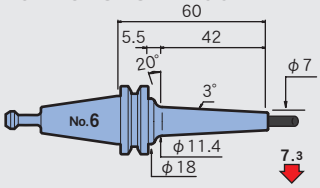


φ4

15TR3-SLSA4-40

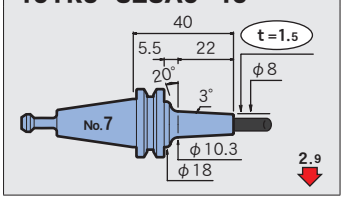


15TR3-SLSA4-60

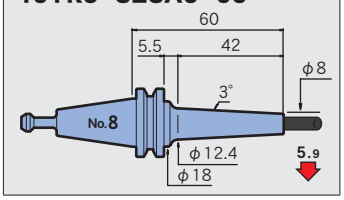


φ5

15TR3-SLSA5-40

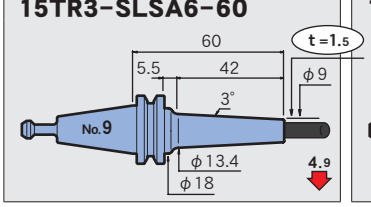


15TR3-SLSA5-60

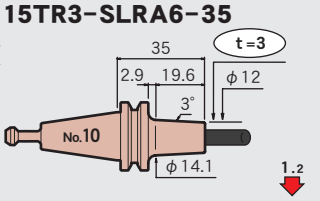


φ6

15TR3-SLSA6-60

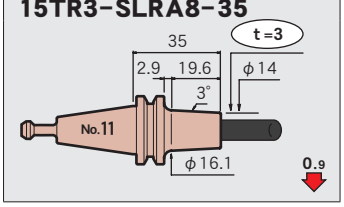


15TR3-SLRA6-35



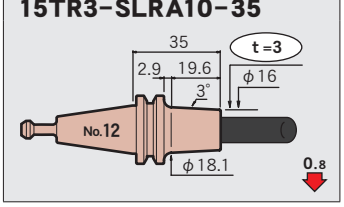
φ8

15TR3-SLRA8-35



φ10

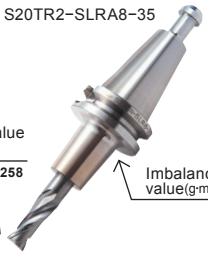
15TR3-SLRA10-35



S20T

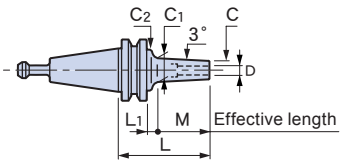
MONO 3°

S20TR2-SLRA8-35



Rigidity value (μm/kgf) P.258

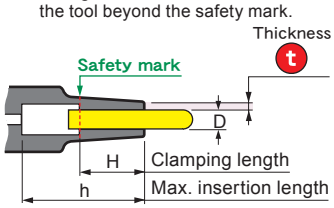
Imbalance value(g·mm) N P.261



Compatibility table for HRD-01S

[○] Available [×] Not available

■Caution
- Setting cutters···Be sure to insert the tool beyond the safety mark.



SUGINO
Xion-II-5AX
NSV9
V9

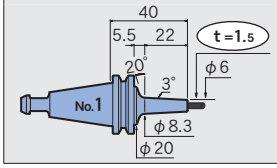
Thickness

CODE	φD	φC	t	L	M	L1	φC1	φC2	H	h	Kg	N	S	○/×	Scale model
S20TR2-SLSA 3-40	3	6	1.5	40	22	5.5	8.3	20	9	46	0.1	0.4	4.6	○	1
-60				60	42		10.4			66			9.2		2
S20TR2-SLSA3.175-40	3.175	6.175	1.5	40	22	5.5	8.5	20	9	46	0.1	0.4	4.4	○	3
-60				60	42		10.6			66			8.8		4
S20TR2-SLSA 4-40	4	7	1.5	40	22	5.5	9.3	20	12	46	0.1	0.4	3.6	○	5
-60				60	42		11.4			66			7.2		6
S20TR2-SLSA 5-40	5	8	1.5	40	22	5.5	10.3	20	15	46	0.1	0.4	2.8	○	7
-60				60	42		12.4			66		0.5	5.8		8
S20TR2-SLSA 6-60	6	9	1.5	60	42	5.5	13.4	20	18	66	0.1	0.5	4.7	○	9
-SLRA 6-35		12	3	35	19.6	2.9	14.1	—		46		0.3	1.1		10
S20TR2-SLRA 8-35	8	14	3	35	19.6	2.9	16.1	—	20	51	0.1	0.4	0.9	×	11
S20TR2-SLRA10-35	10	16	3	35	19.6	2.9	18.1	—	20	51	0.1	0.5	0.8	×	12
S20TR2-SLRA12-45	12	20	4	45	32.5	—	23.4	—	30	51	0.2	0.6	0.8	×	13

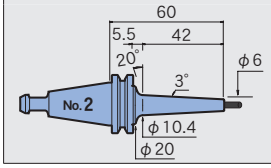
S=1:4

φ3

S20TR2-SLSA3-40

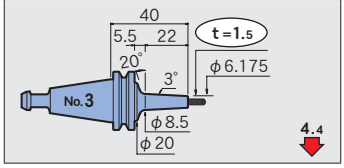


S20TR2-SLSA3-60

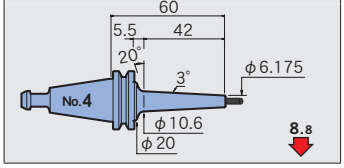


φ3.175

S20TR2-SLSA3.175-40

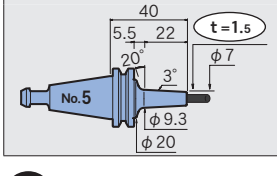


S20TR2-SLSA3.175-60

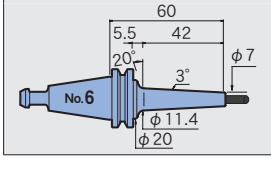


φ4

S20TR2-SLSA4-40

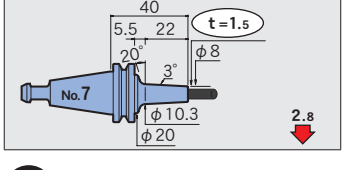


S20TR2-SLSA4-60

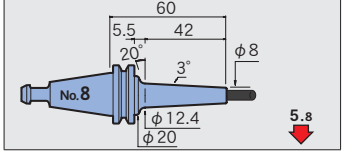


φ5

S20TR2-SLSA5-40

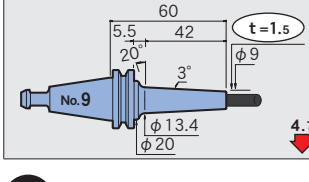


S20TR2-SLSA5-60

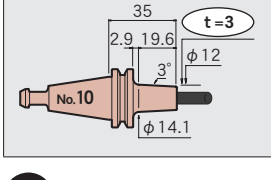


φ6

S20TR2-SLSA6-60

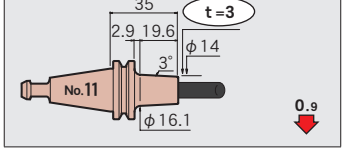


S20TR2-SLRA6-35



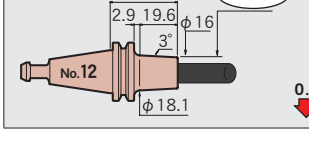
φ8

S20TR2-SLRA8-35



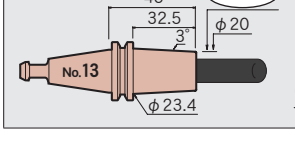
φ10

S20TR2-SLRA10-35



φ12

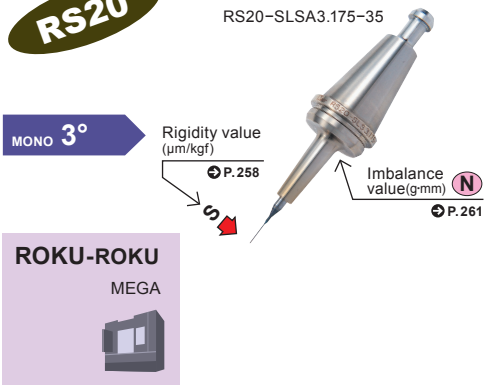
S20TR2-SLRA12-45

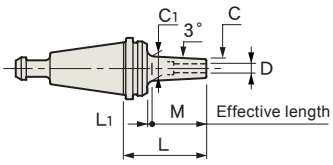


RS20

MONO 3°

ROKU-ROKU
MEGA

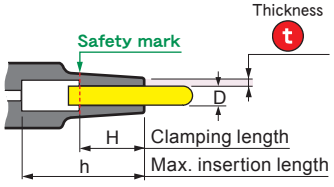




Compatibility table for HRD-01S

[○] Available [×] Not available

■Caution
・Setting cutters…Be sure to insert the tool beyond the safety mark.

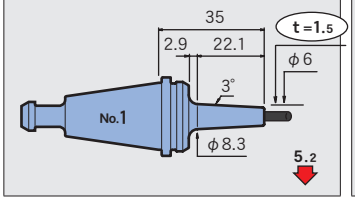


Thickness

CODE	φD	φC	t	L	M	L1	φC1	H	h	Kg	N	S		Scale model
RS20-SLSA 3-35	3	6	1.5	35	22.1	2.9	8.3	9	46	0.1	0.2	5.2	○	1
-SLSA 3.175-35	3.175	6.175	1.5	35	22.1	2.9	8.5	9	46	0.1	0.2	4.9	○	2
-SLSA 4-35	4	7	1.5	35	22.1	2.9	9.3	12	46	0.1	0.2	4	○	3
-SLSA 5-35	5	8	1.5	35	22.1	2.9	10.3	15	46	0.1	0.2	3.2	○	4
-SLRA 6-30	6	12	3	30	17.1	2.9	13.8	18	46	0.1	0.2	1.1	×	5
-SLRA 8-30	8	14	3	30	17.2	2.8	15.8	20	51	0.1	0.3	0.9	×	6
-SLRA10-30	10	16	3	30	17.6	2.4	17.9	20	51	0.1	0.4	0.7	×	7

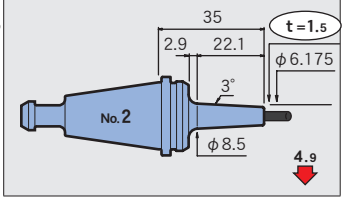
φ3

RS20-SLSA3-35



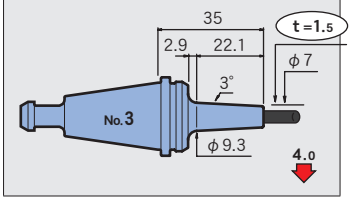
φ3.175

RS20-SLSA3.175-35



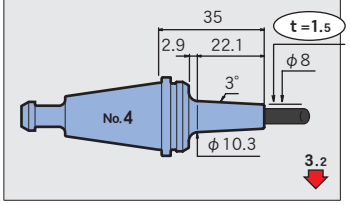
φ4

RS20-SLSA4-35



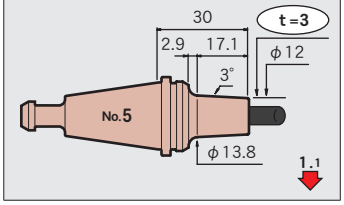
φ5

RS20-SLSA5-35



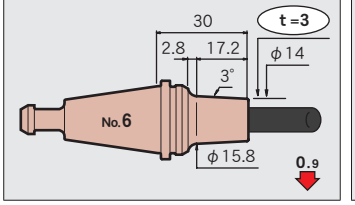
φ6

RS20-SLRA6-30



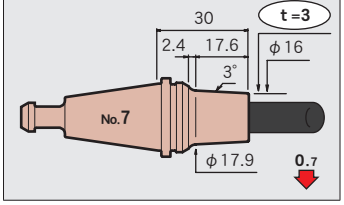
φ8

RS20-SLRA8-30



φ10

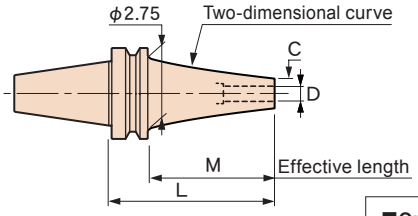
RS20-SLRA10-30



CT50

CT50-SLSA1/4-225 cv

MONO CURVE



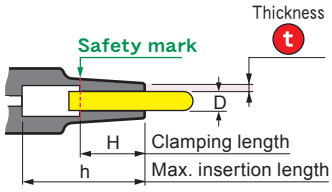
Compatibility table for HRD-01S

[○] Available [×] Not available

[▲] Usable by raising the heating unit.→P.257

■Option
- Retention knob

■Caution
- Retention knob···Use a retention knob with hole, or remove the retention knob and heat it.
- Setting cutters···Be sure to insert the tool beyond the safety mark.



CV : Curve

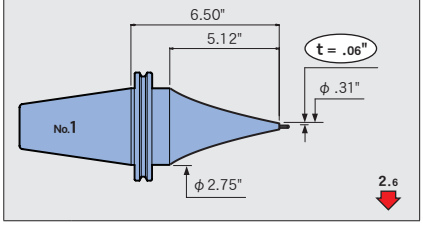
Thickness

CODE	ϕD	ϕC	t	L	M	H	h	lbs	N	S		Scale model
CT50-SLSA3/16-165 CV	3/16	.31	.06	6.50	5.12	.59	8.66	8.4	13.7	2.6	○	1
-195 CV				7.68	6.30		9.84	8.7	14.7	4		2
-225 CV				8.86	7.48		11.02	9.1	15.7	5.9		3
-255 CV				10.04	8.66		12.20	9.4	17.4	8.2	▲	4
-285 CV				11.22	9.84		13.39	10.0	18.9	10.5		5
-315 CV				12.40	11.02		14.57	10.5	20.5	13.3		6
CT50-SLSA1/4 -165 CV	1/ 4	.37	.06	6.50	5.12	.71	8.66	8.5	13.1	2.4	○	7
-195 CV				7.68	6.30		9.84	9.6	16	2.5		8
-225 CV				8.86	7.48		11.02	10.0	16.9	3.9		9
-255 CV				10.04	8.66		12.20		19.2	5.6	▲	10
-285 CV				11.22	9.84		13.39	10.5	20.8	7.4		11
-315 CV				12.40	11.02		14.57	11.1	22.4	9.5		12
CT50-SLSA5/16-165 CV	5/16	.49	.06	6.50	5.12	.94	8.66	9.0	15.2	1.5	○	13
-195 CV				7.68	6.30		9.84	9.3	16.2	2.4		14
-225 CV				8.86	7.48		11.02	9.4	17.5	3.9		15
-255 CV				10.04	8.66		12.20	9.9	19.1	5.2	▲	16
-285 CV				11.22	9.84		13.39	10.8	21.6	6		17
-315 CV				12.40	11.02		14.57	11.7	23.9	7.1		18
-SLRA5/16-195 CV	5/16	.63	.16	7.68	6.30	.94	9.84	9.6	17	1.5	○	19
-225 CV				8.86	7.48		11.02	10.8	19.9	1.6		20
-255 CV				10.04	8.66		12.20	10.9	20.4	2.6	▲	21
-285 CV				11.22	9.84		13.39	11.6	23.5	3.2		22
-SLFA5/16-195 CV	5/16	.63	.16	7.68	6.30	.94	9.84	9.6	17	1.5	○	23
 -225 CV				8.86	7.48		11.02	10.8	19.9	1.6		24
-255 CV				10.04	8.66		12.20	10.9	20.4	2.6	▲	25
-285 CV				11.22	9.84		13.39	11.6	23.5	3.2		26
CT50-SLSA3/8 -165 CV	3/ 8	.49	.06	6.50	5.12	1.18	8.66	8.9	14.9	1.5	○	27
-195 CV				7.68	6.30		9.84	9.1	15.8	2.4		28
-225 CV				8.86	7.48		11.02	9.3	16.7	3.8	▲	29
-255 CV				10.04	8.66		12.20	9.8	19.3	5		30
-285 CV				11.22	9.84		13.39	11.0	22.5	5.2		31
-315 CV				12.40	11.02		14.57	11.5	24.4	6.9		32

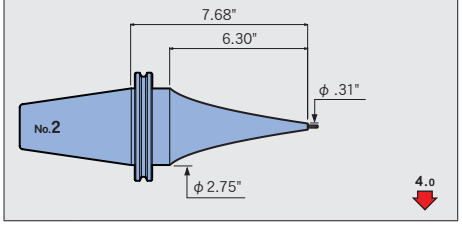
CODE	ϕD	ϕC	t	L	M	H	h	lbs	N	S		Scale model
CT50-SLRA3/8-165 CV	3/8	.73	.18	6.50	5.12	1.18	8.66	8.8	15.4	1	×	33
-195 CV				7.68	6.30		9.84	9.2	16.9	1.5	○	34
-225 CV				8.86	7.48		11.02	10.1	18.5	1.9	▲	35
-255 CV				10.04	8.66		12.20		20.1	3		36
-285 CV				11.22	9.84		13.39	11.3	23.3	3.3		37
-SLFA3/8-165 CV	3/8	.73	.18	6.50	5.12	1.18	8.66	8.8	15.4	1	×	38
 -195 CV				7.68	6.30		9.84	9.2	16.9	1.5	○	39
-225 CV				8.86	7.48		11.02	10.1	18.5	1.9	▲	40
-255 CV				10.04	8.66		12.20		20.1	3		41
-285 CV				11.22	9.84		13.39	11.3	23.3	3.3		42
CT50-SLSA1/2-165 CV	1/2	.62	.06	6.50	5.12	1.18	8.66	8.9	15.8	1.2	○	43
-195 CV				7.68	6.30		9.84	9.3	17.5	1.9		44
-225 CV				8.86	7.48		11.02	9.8	19.1	2.7		45
-255 CV				10.04	8.66		12.20	10.3	20.8	3.8	▲	46
-285 CV				11.22	9.84		13.39	10.7	26.5	4.7		47
-315 CV				12.40	11.02		14.57	11.4	28.8	5.2		48
-SLRA1/2-165 CV	1/2	.89	.20	6.50	5.12	1.18	8.66	9.2	16.4	0.8	×	49
-195 CV				7.68	6.30		9.84	9.5	17.8	1.3		50
-225 CV				8.86	7.48		11.02	10.7	21	1.4	○	51
-255 CV				10.04	8.66		12.20	11.0	22.4	2.1	▲	52
-285 CV				11.22	9.84		13.39	11.9	29.6	2.3		53
-SLFA1/2-165 CV	1/2	.89	.20	6.50	5.12	1.18	8.66	9.2	16.4	0.8	×	54
 -195 CV				7.68	6.30		9.84	9.5	17.8	1.3		55
-225 CV				8.86	7.48		11.02	10.7	21	1.4	○	56
-255 CV				10.04	8.66		12.20	11.0	22.4	2.1	▲	57
-285 CV				11.22	9.84		13.39	11.9	29.6	2.3		58
CT50-SLSB5/8-165 CV	5/8	.82	.10	6.50	5.12	1.26	8.66	8.6	17.5	1.1		59
-195 CV				7.68	6.30		9.84	9.3	20.2	1.5		60
-225 CV				8.86	7.48		11.02	9.9	22.9	2		61
-255 CV				10.04	8.66		12.20	10.1	24.3	3.1		62
-285 CV				11.22	9.84		13.39	10.7	27	3.9		63
-315 CV				12.40	11.02		14.57	11.4	29.7	4.8		64
CT50-SLSB3/4-165 CV	3/4	.99	.12	6.50	5.12	1.50	8.66	9.1	19	0.8		65
-195 CV				7.68	6.30		9.84	9.7	21.9	1.2		66
-225 CV				8.86	7.48		11.02	9.8	23.9	1.8		67
-255 CV				10.04	8.66		12.20	10.4	26.8	2.5		68
-285 CV				11.22	9.84		13.39	11.1	29.7	3.2		69
-315 CV				12.40	11.02		14.57	11.7	32.6	4.1		70

ϕ3/16

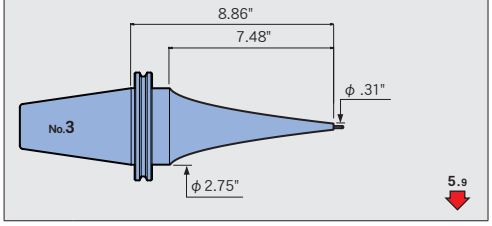
CT50-SLSA3/16-165 CV



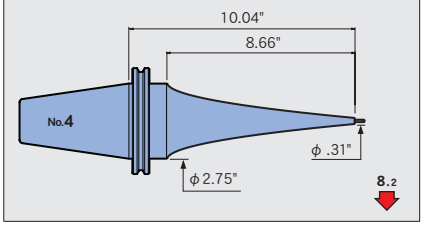
CT50-SLSA3/16-195 CV



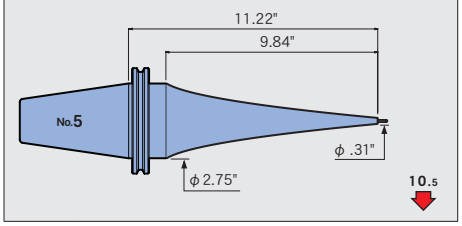
CT50-SLSA3/16-225 CV



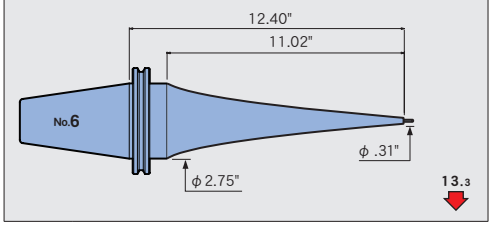
CT50-SLSA3/16-255 CV



CT50-SLSA3/16-285 CV

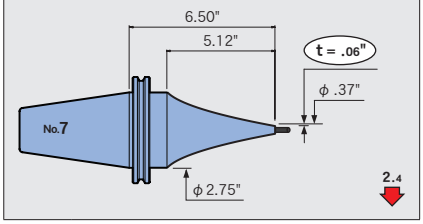


CT50-SLSA3/16-315 CV

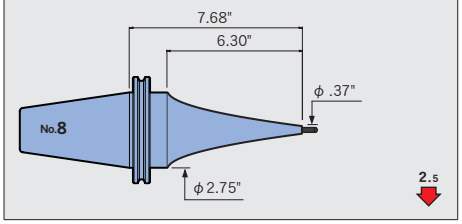


ϕ1/4

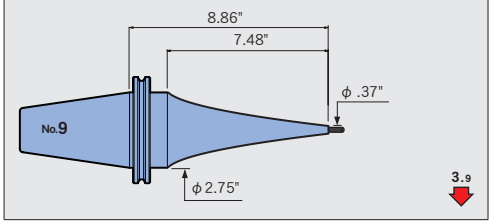
CT50-SLSA1/4-165 CV



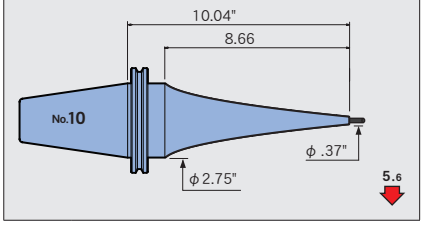
CT50-SLSA1/4-195 CV



CT50-SLSA1/40-225 CV



CT50-SLSA1/4-255 CV



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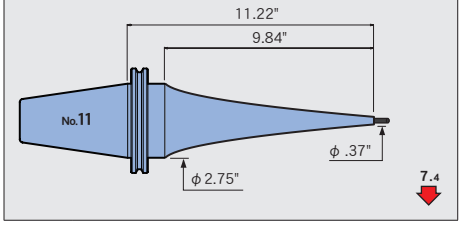

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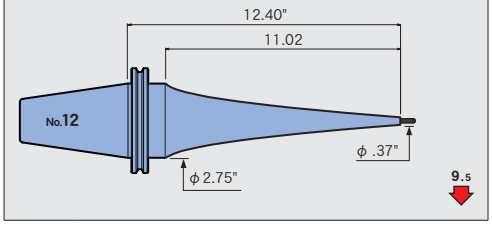
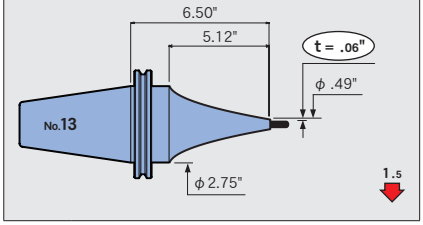
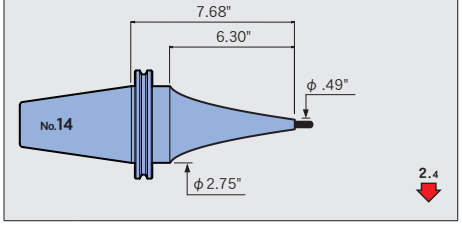


ϕ5/16

CT50-SLSA5/16-165 CV



CT50-SLSA5/16-195 CV



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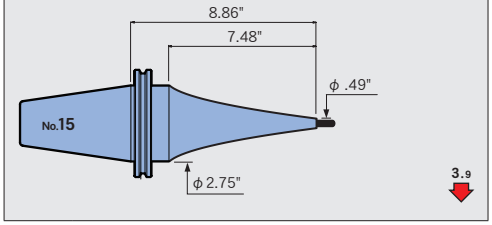
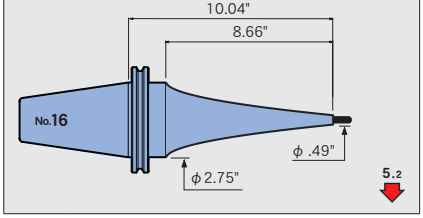
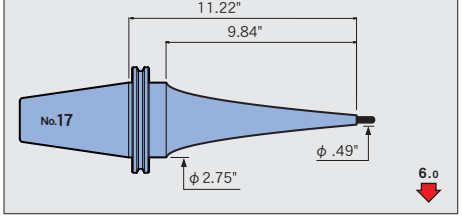


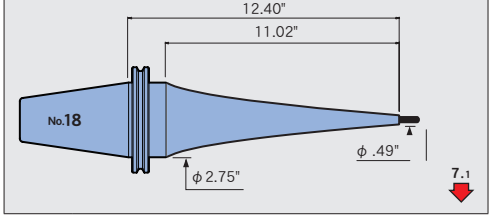
CT50-SLSA5/16-255 CV



CT50-SLSA5/16-855 CV

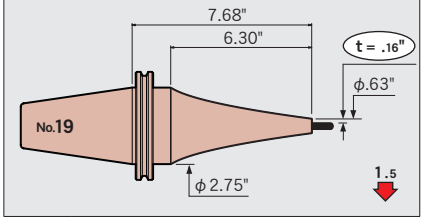


CT50-SLSA5/16-315 CV



CT50 S=1:7

CT50-SLRA5/16-195 CV



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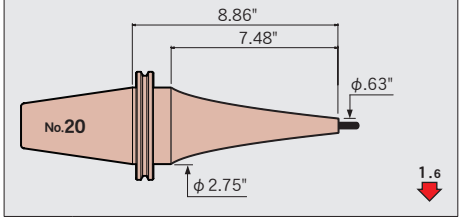

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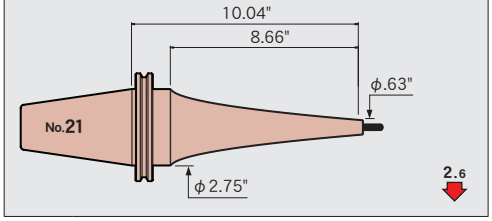

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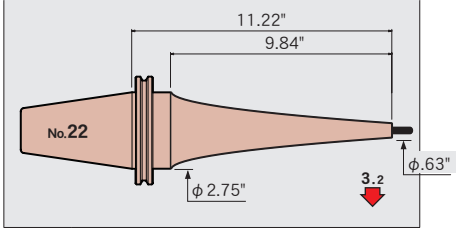
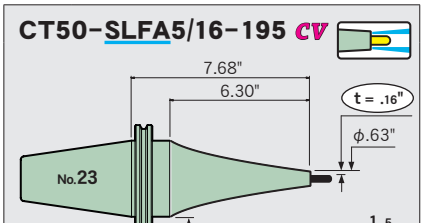


CT50-SLFA5/16-195 CV



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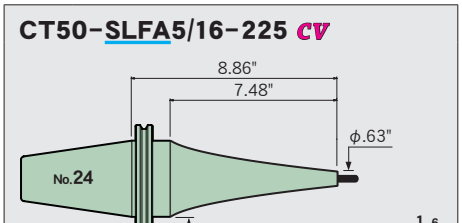

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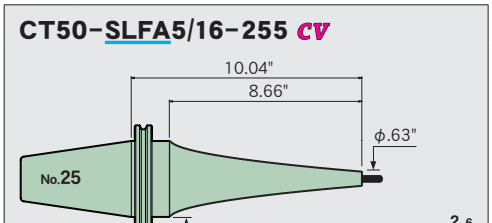

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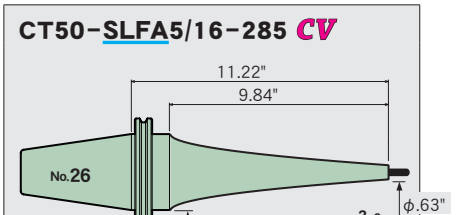
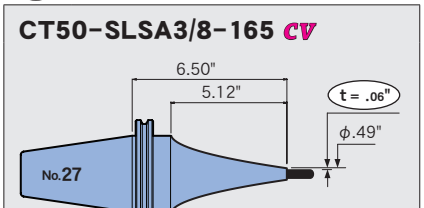
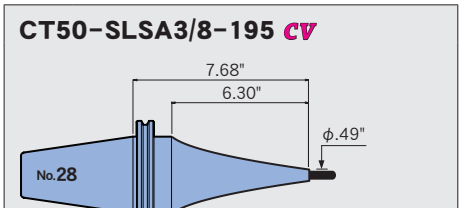


ϕ3/8

CT50-SLSA3/8-165 CV



CT50-SLSA3/8-195 CV



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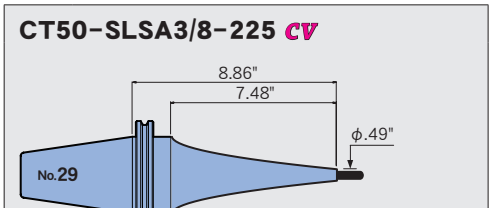

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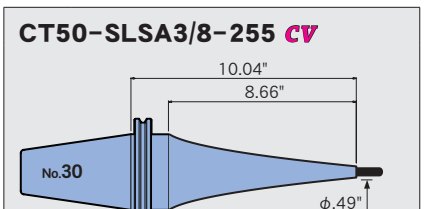
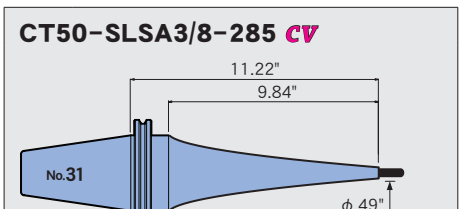
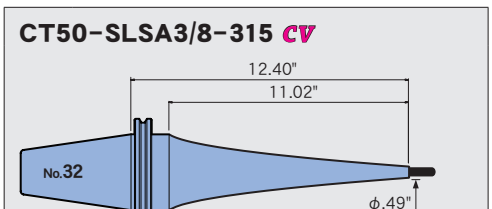


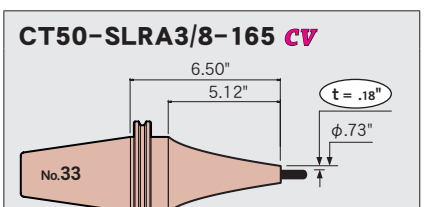
CT50-SLSA3/8-285 CV



CT50-SLSA3/8-315 CV



CT50-SLRA3/8-165 CV



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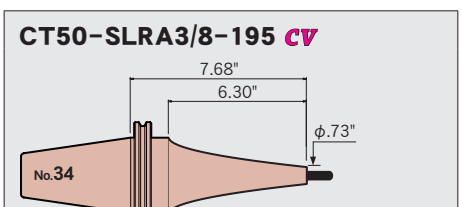

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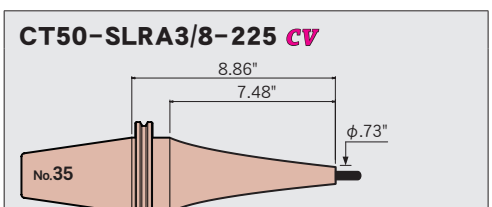

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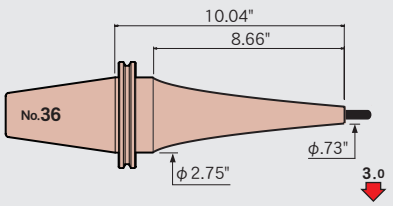

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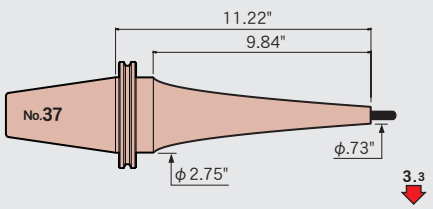

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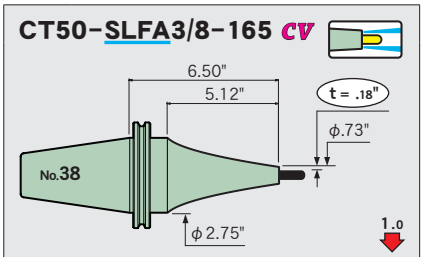

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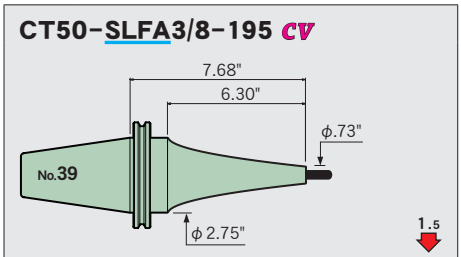

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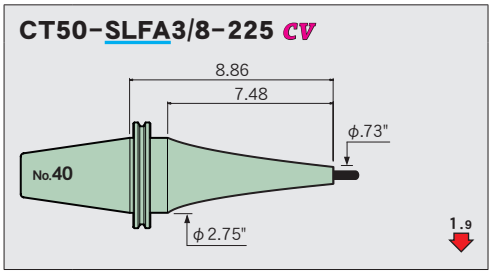

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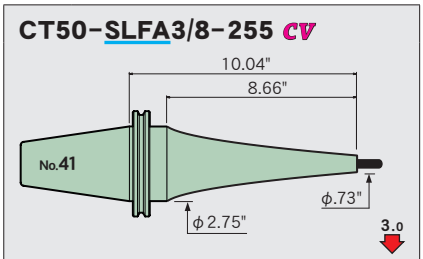

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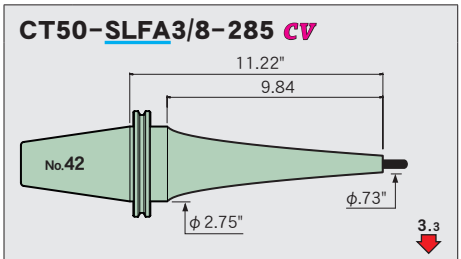
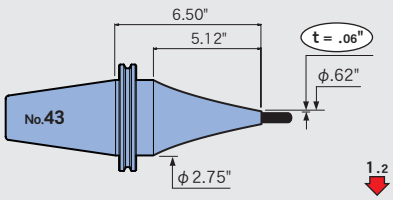
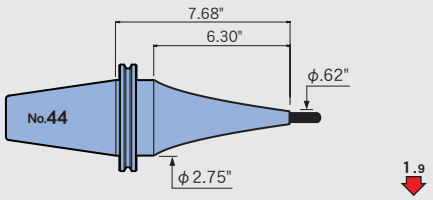


ϕ1/2

CT50-SLSA1/2-165 CV



CT50-SLSA1/2-195 CV



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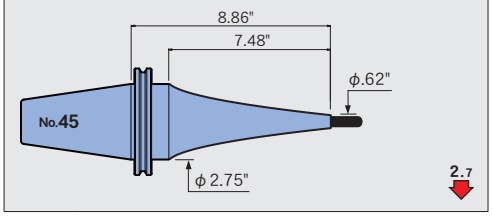

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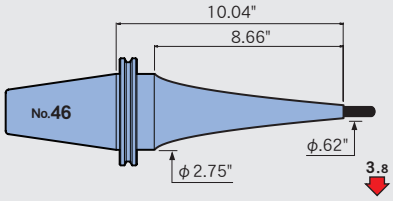

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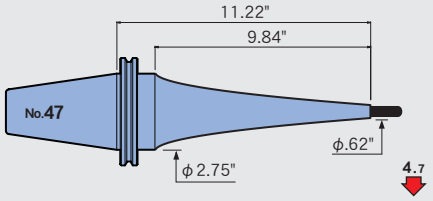
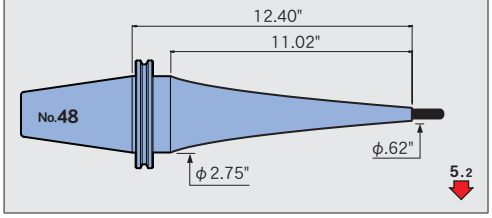
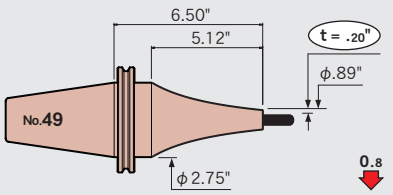


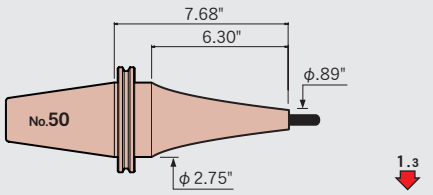
CT50-SLSA1/2-315 CV



CT50-SLRA1/2-165 CV



CT50-SLRA1/2-195 CV



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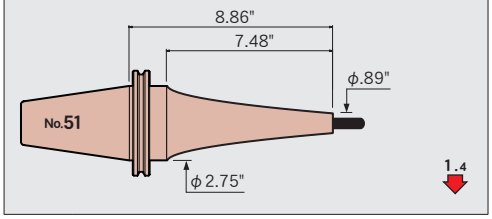

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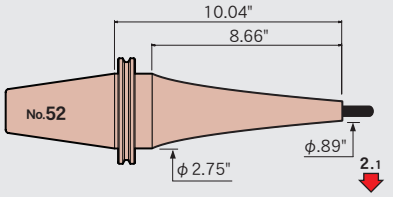

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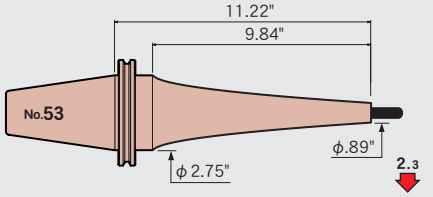
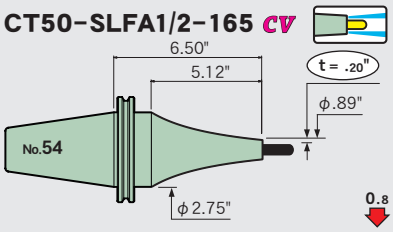
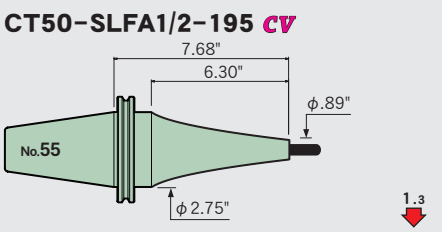


CT50 S=1:7

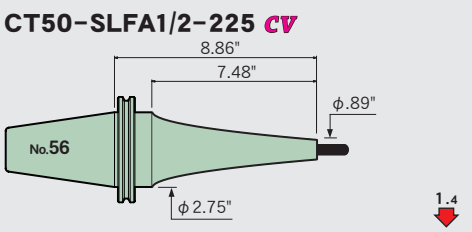
CT50-SLFA1/2-165 CV



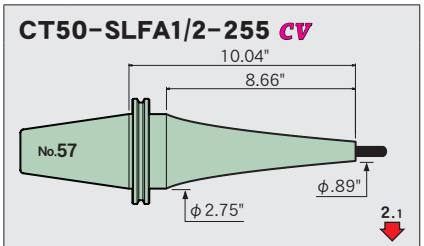
CT50-SLFA1/2-195 CV



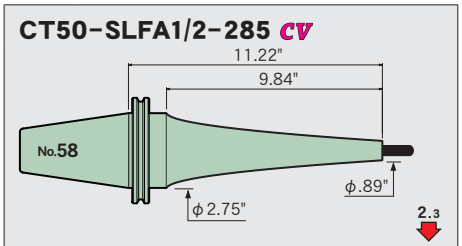
CT50-SLFA1/2-225 CV



CT50-SLFA1/2-255 CV

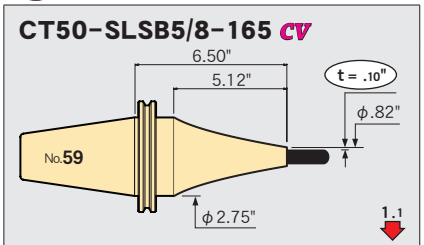


CT50-SLFA1/2-285 CV



ϕ5/8

CT50-SLSB5/8-165 CV



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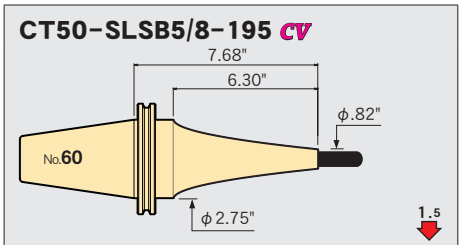

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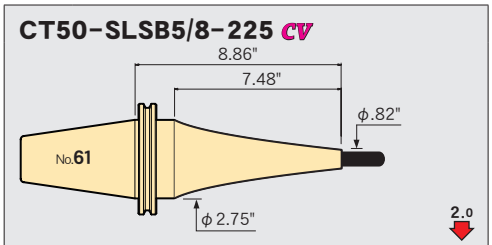

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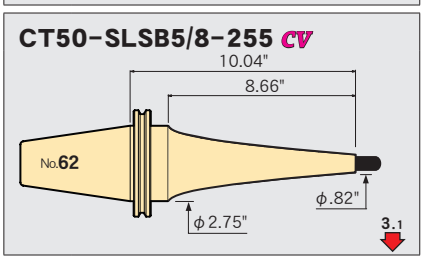
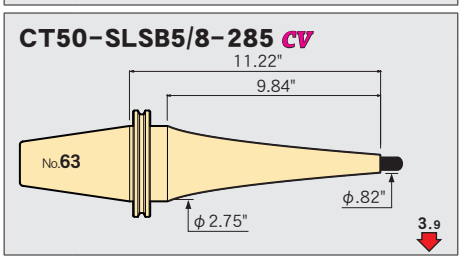
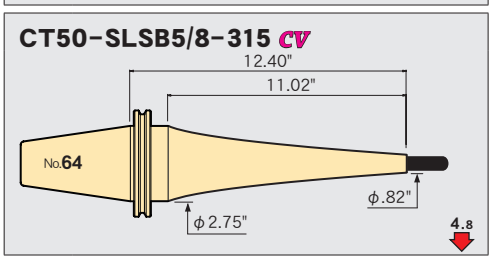


CT50-SLSB5/8-285 CV

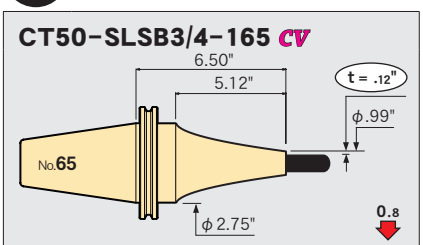


CT50-SLSB5/8-315 CV



ϕ3/4

CT50-SLSB3/4-165 CV



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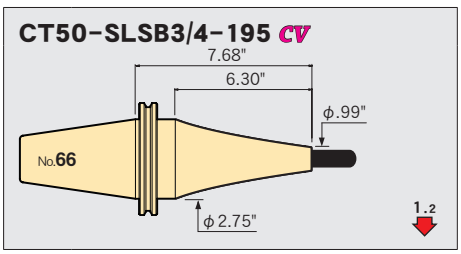

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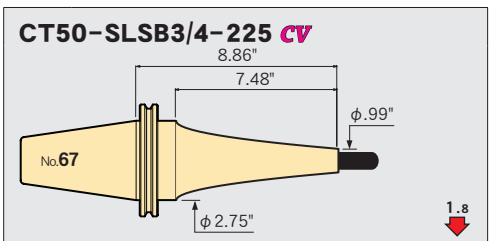

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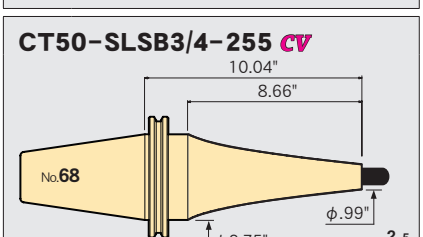

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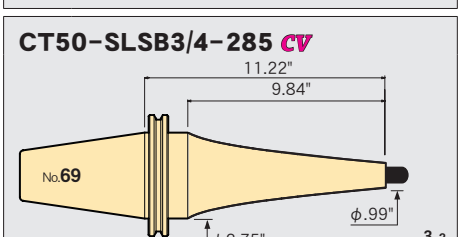

CT50-SLSB3/4-315 CV