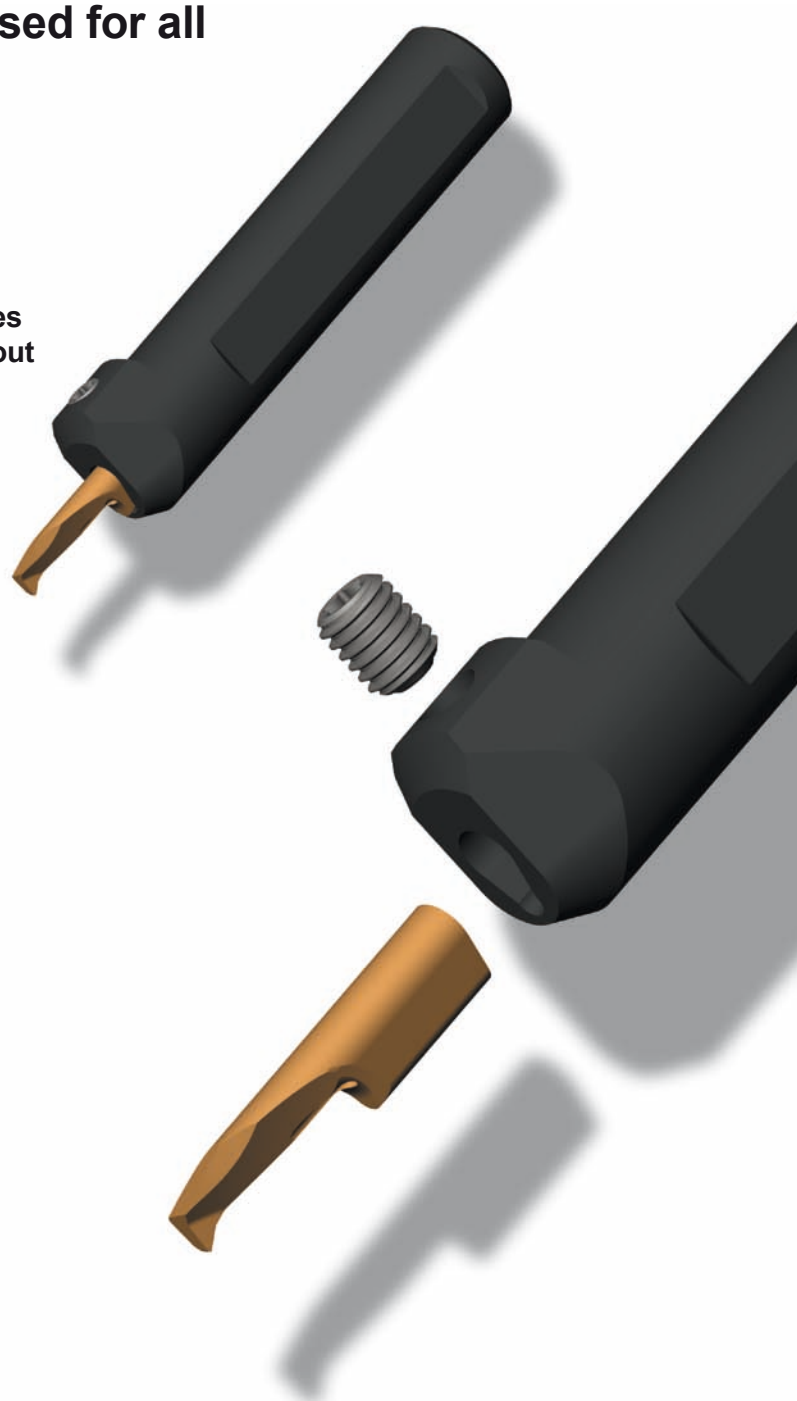
Grooving, boring, face grooving, threading ≥ Ø .008" (0.2 mm)

The same toolholder can be used for all inserts

Type 105

- special shaped backend of inserts guarantees accurate center height and indexability without resetting the machine
- through coolant supply
- enlarged backend of inserts gives a rigid clamping and good vibration resistance



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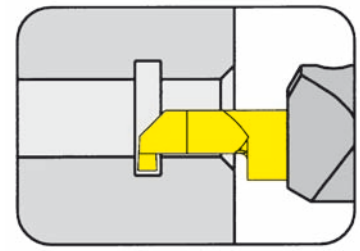
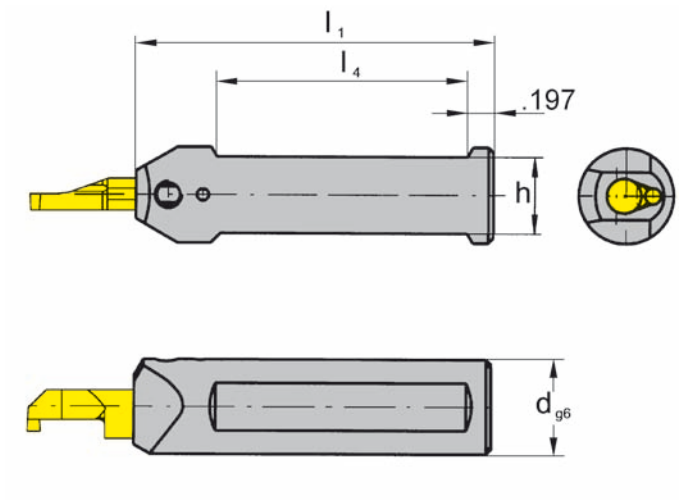
TOOLHOLDER Type

BU105

with through coolant supply



Bore Ø from	.008″
Depth of groove up to	.098″
Width of groove up to	.079″



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Part number	d	l_1	h	l_4
BU105.0500.01	.500	2.950	.433	2.160
BU105.0625.01	.625	2.950	.551	2.160
BU105.0750.01	.750	3.540	.671	2.750
BU105.1000.01	1.000	3.540	.921	2.750

Further sizes upon request

Dimensions in inch

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
BU105....	**6.075T15P**	**T15PQ**

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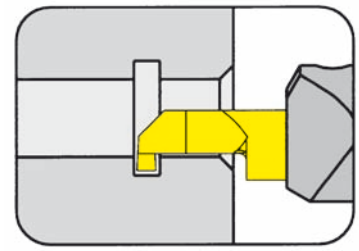
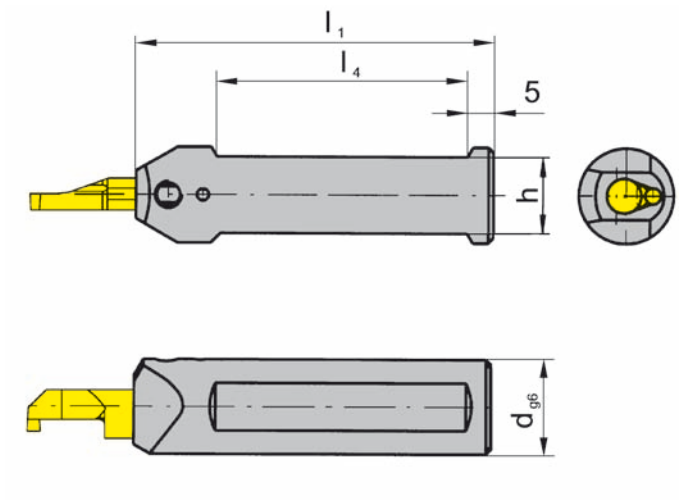
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Part number	d	l_1	h	l_4
B105.0010.01	10	75	9	50
B105.0012.01	12	75	11	50
B105.0016.01	16	75	14	50
B105.0020.01	20	90	18	55
B105.0025.01	25	100	23	55

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.00...	**6.075T15P**	**T15PQ**

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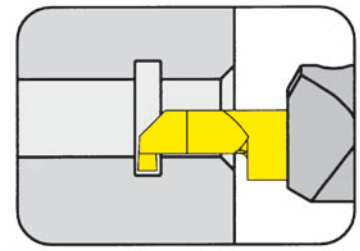
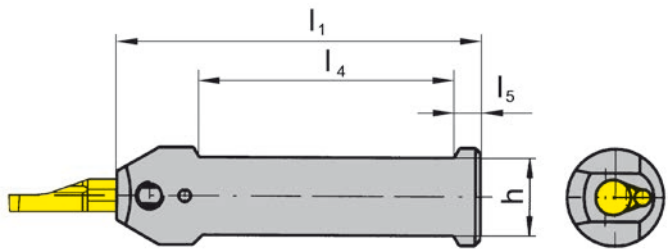
TOOLHOLDER Type

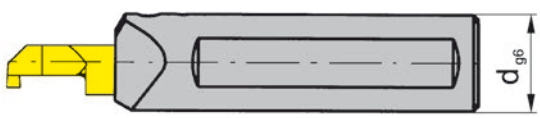
B105/BU105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)





for use with Insert

Type 105
U105

Picture = right hand cutting version shown

Part number	d	l_1	h	l_4	l_5	Remark
B105.0022.01	22.00	90.0	20.00	55	5	-
B105.0028.01	28.00	120.0	26.00	72	12	**
BU105.0750.5.01	3/4"	90.0	17.04	70	5	**
BU105.0750.5.3.01	3/4"	152.5	17.05	70	5	**
BU105.1000.5.01	1"	90.0	23.40	65	5	**
BU105.1000.5.3.01	1"	152.5	23.40	70	5	**

Further sizes upon request

Dimensions in mm

** Adapter of cooling M12x1,5 for Traub

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B/BU105...	**6.075T15P**	**T15PQ**

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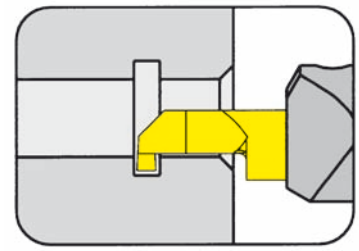
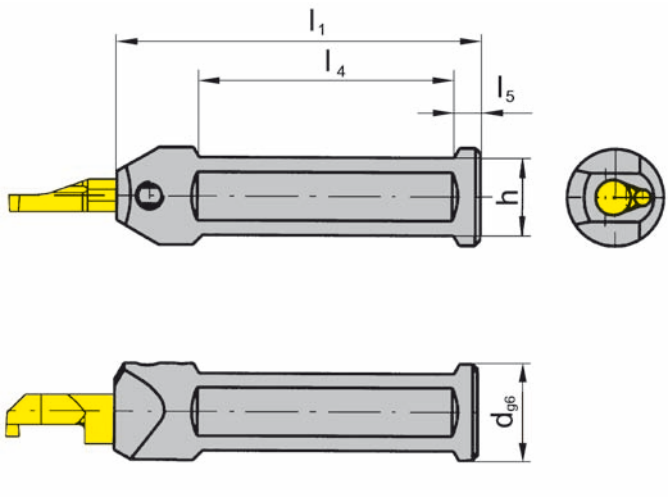
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Part number	d	l_1	h	l_4	l_5
B105.0022.1.2.01	22	120	20	72	5

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.0022.1.2.01	**6.075T15P**	**T15PQ**

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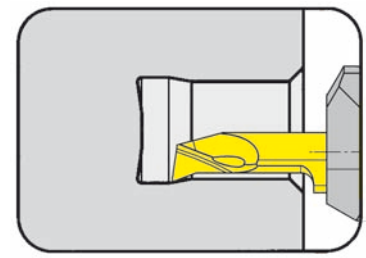
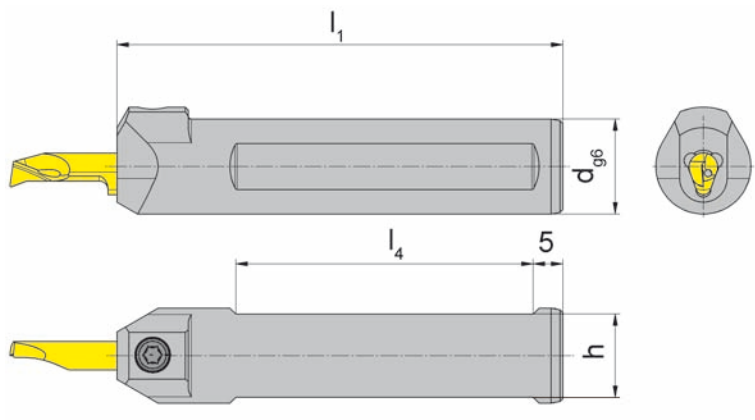
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

with additional through coolant bores

Part number	d	l_1	h	l_4
B105.0012.K.01	12	75	11	50
B105.0016.K.01	16	75	14	50
B105.0020.K.01	20	90	18	50

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.00...	**6.075T15P**	**T15PQ**

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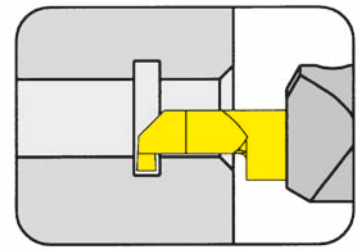
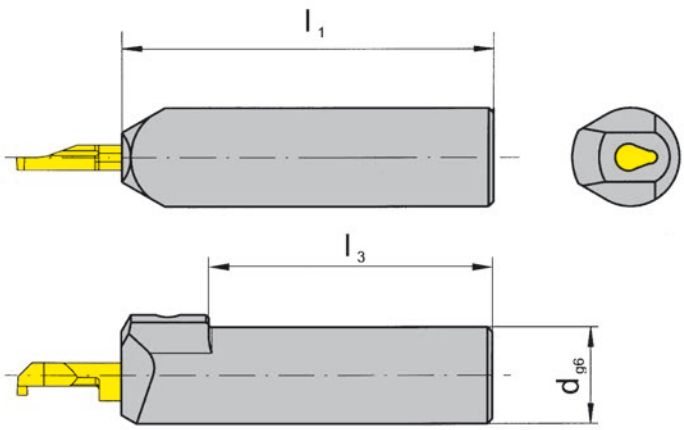
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)



for use with Insert

Type 105
U105

Picture = right hand cutting version shown

Part number	d	l_1	l_3
B105.0010.01A	10	75	57
B105.0012.01A	12	75	63
B105.0016.01A	16	75	63

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.001...	**6.075T15P**	**T15PQ**

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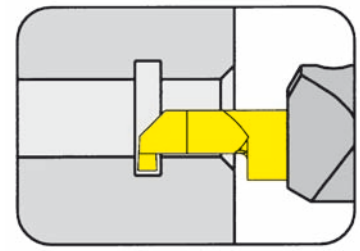
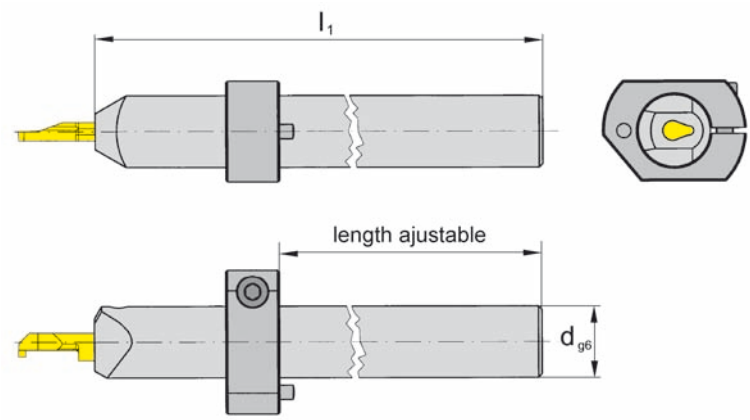
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)



for use with Insert

Type 105
U105

Picture = right hand cutting version shown

Part number	d	l_1
B105.0020.2.01	20	150
B105.0025.2.01	25	150

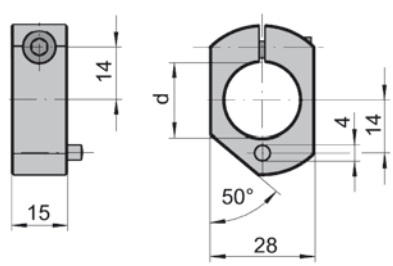
Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Adjusting ring is not combined with the toolholder - separate order required!

Adjusting ring



Part number "Adjusting ring"	d	Type of machine
020.0020.1665	20	Tornos DECO
020.0025.2234	25	

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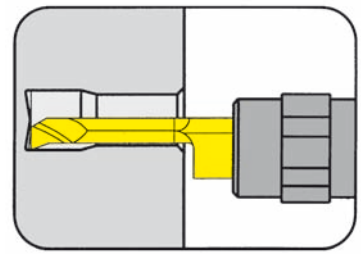
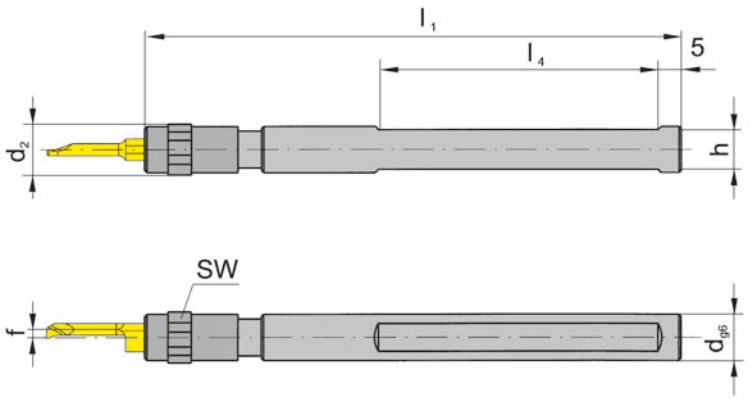
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	≤.118"(3.0mm) or ≥.197"(5.0mm)



for use with Insert

Type 105/U105
(Ø ≤.118"/3.0mm)
(Ø ≥.197"/5.0mm)

Picture = right hand cutting version shown

Part number	d	l_1	h	d_2	l_4	Bore Range	SW
B105.0010.9.01	10	100	9	11	50	* ≤ 3.0	10
B105.0012.11.01 **B105.0016.11.01**	12 16	100	11 15	16	50	* ≥ 5.0	13

Further sizes upon request f see inserts type 105 Dimensions in mm

* only valid for standard inserts

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Chucking nut
B105.0010.9.01	**020.0010.1719**
B105.001...01	**020.0016.1999**

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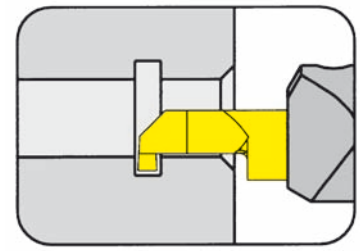
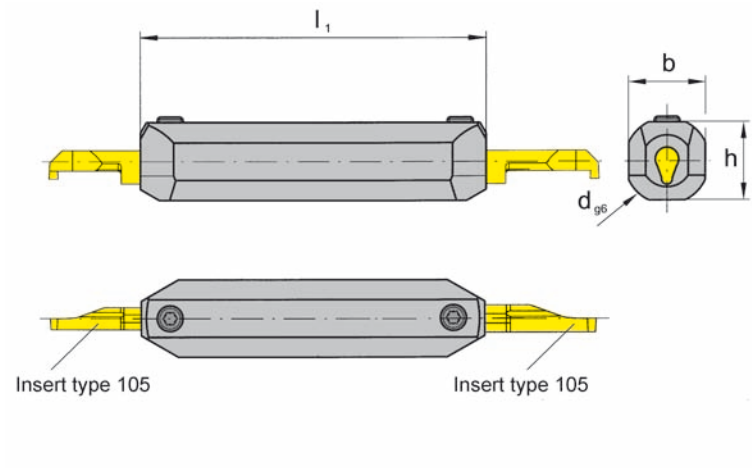
TOOLHOLDER Type BU105



Bore Ø from	.008″
Depth of groove up to	.098″
Width of groove up to	.079″



for use with Insert

Type 105
U105

Picture = right and left hand cutting version shown

Part number	d	l_1	h	b
BU105.0750.2.2.01	.750	4.724	.671	.671

Further sizes upon request

Dimensions in inch

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
BU105.0750.2.2.01	**6.075T15P**	**T15PQ**

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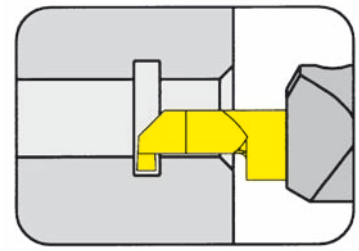
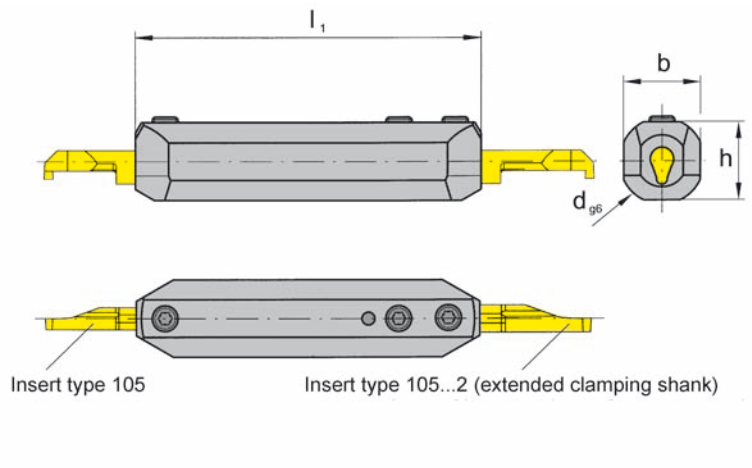
TOOLHOLDER Type

B105

no coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)



for use with Insert

Type 105
105...2
U105

Picture = right and left hand cutting version shown

Part number	d	l_1	h	b
B105.0020.1.03	20	80	18	18

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.0020.1.03	**6.075T15P**	**T15PQ**

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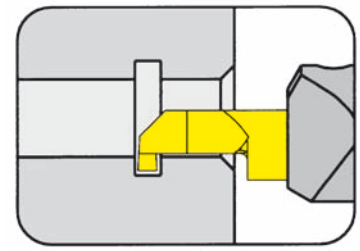
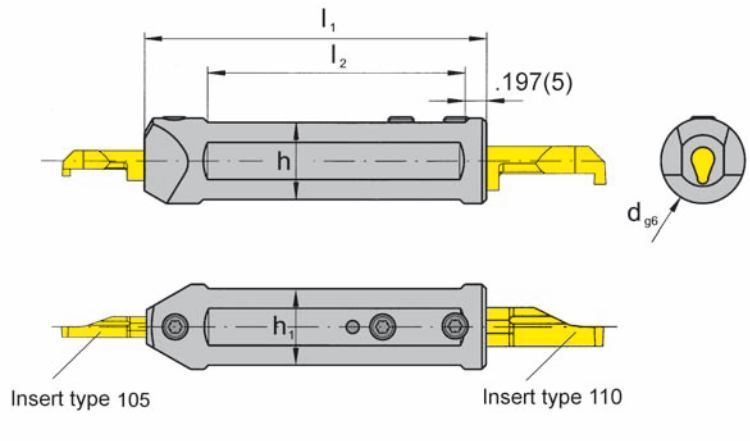
TOOLHOLDER Type

B105

with through coolant supply



Bore Ø from	.008/.236″ (0.2/6.0 mm)
Depth of groove up to	.098./157″ (2.5/4.0 mm)
Width of groove up to	.079/.118″ (2.0/3.0 mm)



for use with Insert

Type 105/U105
110/U110

Picture = right and left hand cutting version shown

Part number	d	l_1	l_2	h	h_1
B105.0020.1.10	20	80	60	18	18

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.0020.1.10	**6.075T15P**	**T15PQ**

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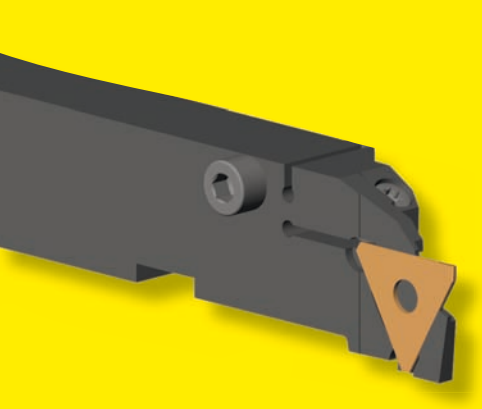
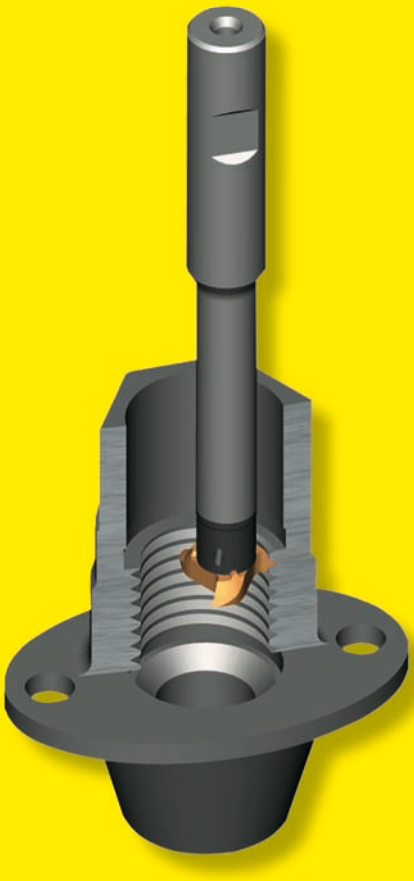
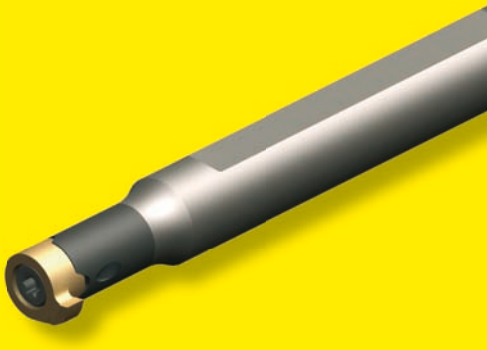
Program







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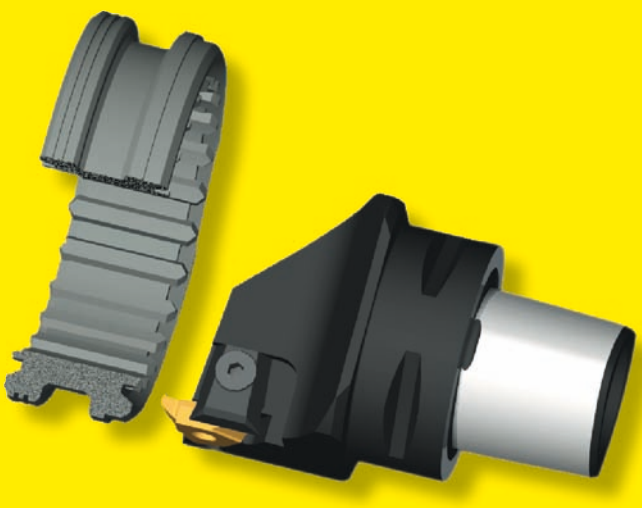

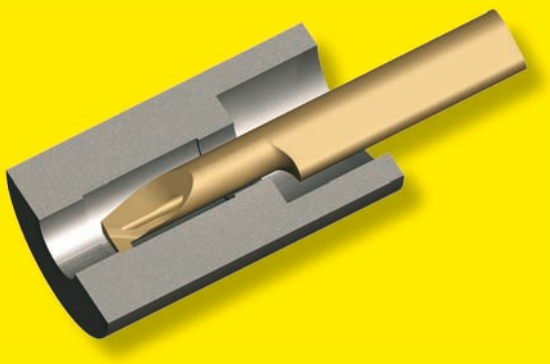

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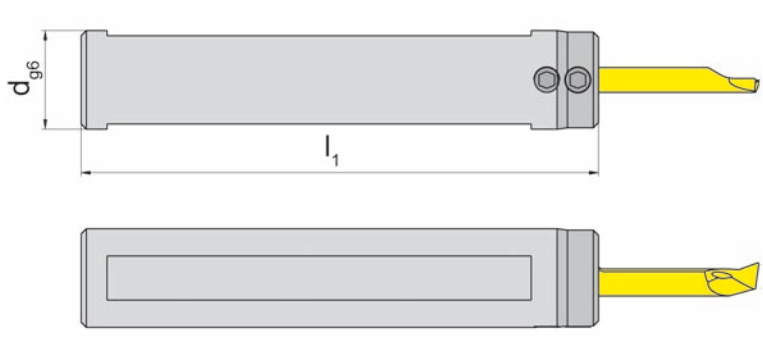
BASIC TOOLHOLDER Type IR105

with through coolant supply

Bore Ø from	.008″ (0.2 mm)



for use with Insert

Type 105
U105

Picture = right hand cutting version shown

Part number	d	l_1	Type of machine
IR105.34.100	3/4"	100	CITIZEN
IR105.34.40	3/4"	40	
IR105.34.50	3/4"	50	
IR105.34.70	3/4"	70	
IR105.20.30	20,00	30	
IR105.20.50	20,00	50	
IR105.10.100	1"	100	
IR105.10.60	1"	60	
IR105.16.30	16,00	30	STAR
IR105.16.50	16,00	50	
IR105.16.70	16,00	70	
IR105.22.100	22,00	100	
IR105.22.120	22,00	120	
IR105.22.38	22,00	38	
IR105.22.50	22,00	50	
IR105.22.70	22,00	70	
IR105.18.310	18,00	310	TORNOS
IR105.20.170	20,00	170	
IR105.20.185	20,00	185	
IR105.25.100	25,00	100	
IR105.25.150	25,00	150	
IR105.28.80	28,00	80	

Further sizes upon request

Dimensions in mm and inch

Note:
Coolant supply must be ordered separately!

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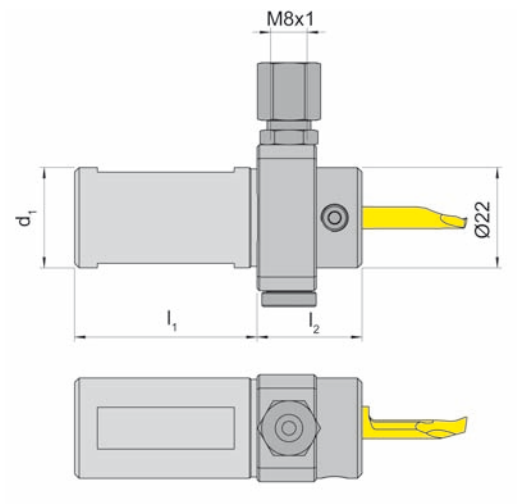
CARTRIDGE Type

IR105

with through coolant supply

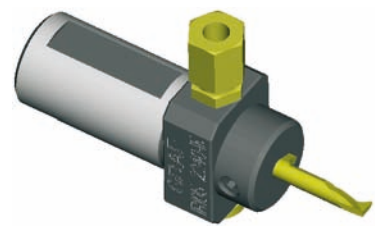
Bore Ø from	.008″ (0.2 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105
U105



Part number	l_1	l_2	d_1
IR105.1640.IKV	40	23	16,00
IR105.3440.IKV	40	23	3/4"
IR105.2040.IKV	40	23	20,00
IR105.2240.IKV	40	23	22,00
IR105.2560.IKV	60	23	25,00
IR105.1060.IKV	60	23	1"

Further sizes upon request

Dimensions in mm and inch

Note:
Coolant supply must be ordered separately!

Spare parts

Cartridge Graf	Screw	TORX PLUS® Wrench
IR105....	**6.075T15P**	**T15PQ**

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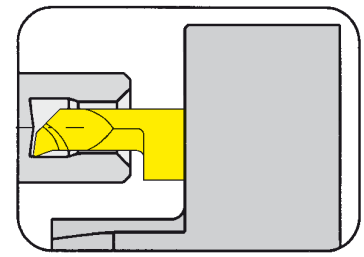
TOOLHOLDER Type

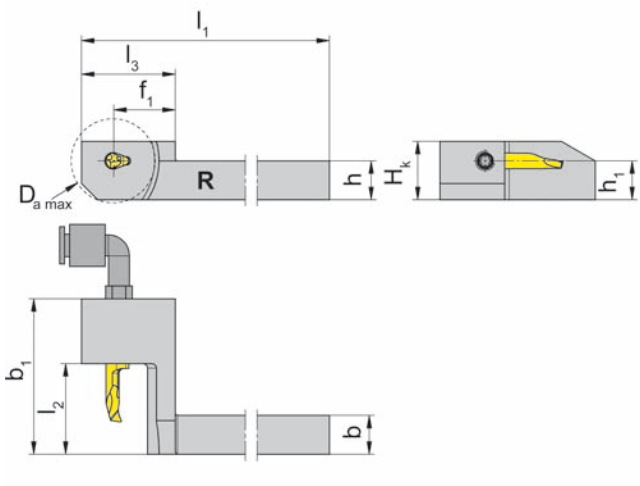
HC105

with screwed clamping



Bore Ø from	.008″ (0.2 mm)

Coolant supply through cranked fittin



for use with Insert

Type 105
U105

L = left hand version shown

R = right hand version

Part number	l_1	l_2	h	h_1	f_1	l_3	b	b_1	$D_{a\ max}$	H_k	Remark
R/LHC105.0707.21	99	18	7	7	19	29	7	32.0	26	13	*
R/LHC105.0808.21	99	18	8	8	19	29	8	32.0	26	13	*
RHC105.1010.11	99	8	10	10	19	29	10	22.7	26	16	*
R/LHC105.1010.21 **R/LHC105.1010.41**	99	18 28	10	10	19	29	10	38.0 48.0	26	16	
R/LHC105.1212.21 **R/LHC105.1212.41**	99	18 28	12	12	19	29	12	38.0 48.0	26	18	
R/LHC105.1616.21 **R/LHC105.1616.41**	104	18 28	16	16	24	34	16	38.0 48.0	36	22	

State R or L version

Dimensions in mm

Further sizes upon request

Note:
* = no through coolant supply!

Spare parts

Toolholder	Screw	TORX PLUS® Wrench	Screwed angle fittin
R/LHC105...07./08...	**6.075T15P**	**T15PQ**	**-**
RHC105...11	**6.075T15P**	**T15PQ**	**-**
R/LHC105.1...21/41	**6.075T15P**	**T15PQ**	**KQ2L06-M5**

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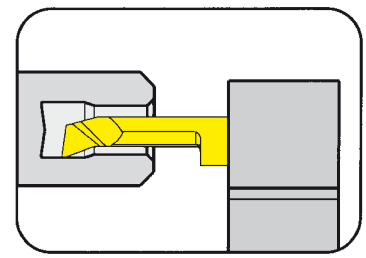
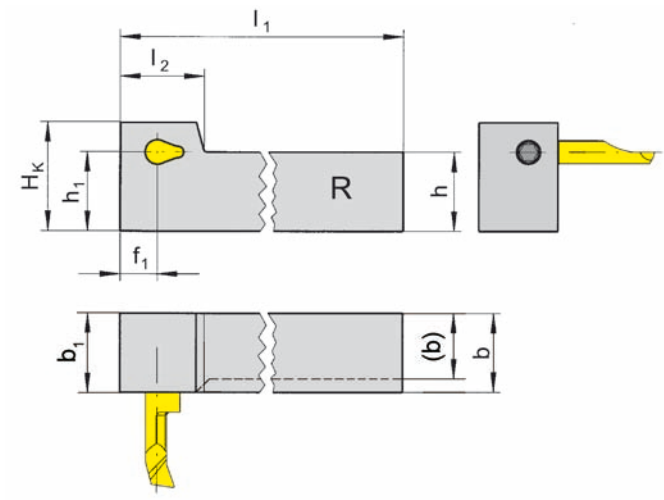
TOOLHOLDER Type

HC105

with screwed clamping



Bore Ø from	.008″ (0.2 mm)



for use with Insert

Type 105
U105

R = right hand version shown L = left hand version

Part number	l_1	l_2	h	h_1	f_1	b	b_1	H_k
R/LHC105.1212.01	90	17	12	12	7.5	12	16	18
R/LHC105.1616.01	130		16	16		16		22

State R or L version

Dimensions in mm

Further sizes upon request

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LHC105.1...	**6.075T15P**	**T15PQ**

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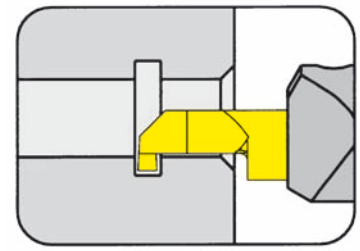
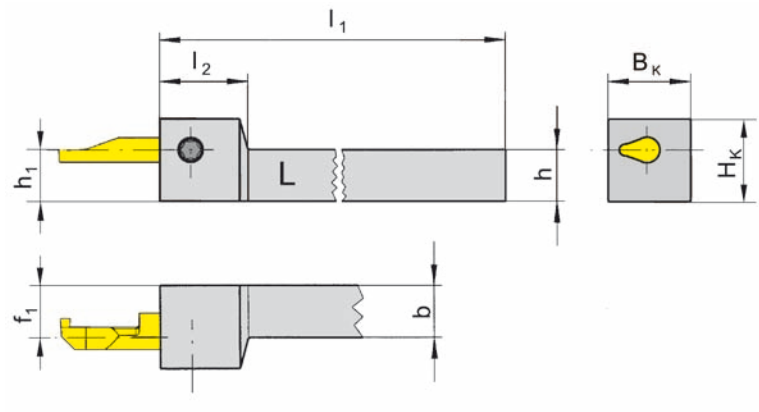
TOOLHOLDER Type

H105

with screwed clamping



Bore Ø from	.008″ (0.2 mm)



for use with Insert

Type 105
U105

L = left hand version shown

R = right hand version

Part number	l_1	l_2	h	h_1	f_1	b	B_K	H_k
R/LH105.0808.01	90	17	8	8	7.5	8	16	14
R/LH105.1010.01	90	17	10	10	7.5	10	16	16
R/LH105.1212.01	90	17	12	12	7.5	12	16	18
R/LH105.1616.01	110	17	16	16	7.5	16	16	22

State R or L version

Dimensions in mm

Further sizes upon request

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LH105....	**6.075T15P**	**T15PQ**

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HORN - THE LEADERS IN GROOVING TECHNOLOGY

High Performance Reaming

SYSTEM **DR**
URMA Licence

Large selection of base material, coatings and geometries.
High repeatability when replacing inserts.
Diameters from 11.9 mm - 140.6 mm.

HORN - INTELLIGENT TOOL DESIGN AT WORK.

For further information, please contact HORN USA.

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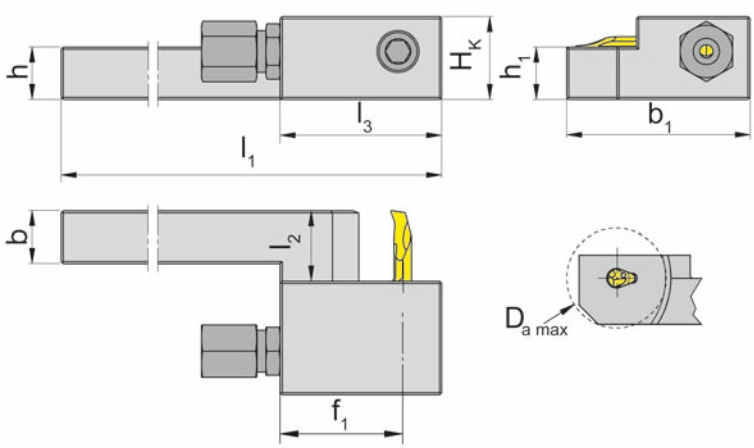
TOOLHOLDER Type 962

with screwed clamping

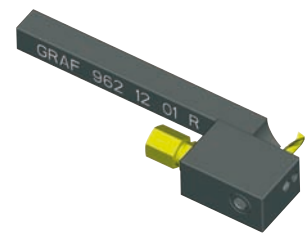
Bore Ø from	.008″ (0.2 mm)

Coolant through fittin



for use with Insert

Type 105
U105



R = right hand version shown L = left hand version

Part number	l_1	l_2	h	h_1	f_1	l_3	b	b_1	$D_{a\ max}$	H_k
962.08.01R **962.08.02L**	130	15	8	8	27	37	8	42	26	15
962.10.01R **962.10.02L**	130	15	10	10	27	37	10	42	26	17
962.12.01R **962.12.02L**	130	15	12	12	27	37	12	42	26	19
962.16.01R **962.16.02L**	130	15	16	16	27	37	16	42	32	23
962.20.01R **962.20.02L**	130	15	20	20	27	37	20	42	32	27

Further sizes upon request Dimensions in mm

Note:
Coolant supply must be ordered separately!

Spare parts

Toolholder	Screw	TORX PLUS® Wrench	Coolant supply
962....	**6.075T15P**	**T15PQ**	**004.00.19**

In the UNITED STATES call us toll free
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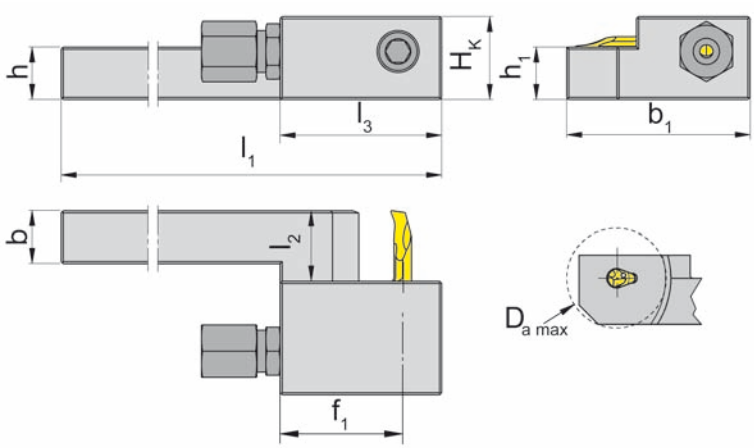
TOOLHOLDER Type 962

with screwed clamping

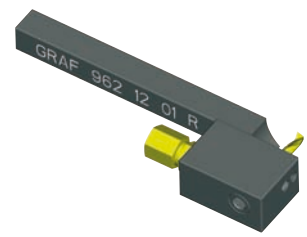
Bore Ø from	.008″ (0.2 mm)

Coolant through fittin



for use with Insert

Type 105
U105



R = right hand version shown L = left hand version

Part number	l_1	l_2	h	h_1	f_1	l_3	b	b_1	$D_{a\ max}$	H_k
962.08.03R 962.08.04L	130	30	8	8	27	37	8	57	26	15
962.10.03R 962.10.04L	130	30	10	10	27	37	10	57	26	17
962.12.03R 962.12.04L	130	30	12	12	27	37	12	57	26	19
962.16.03R 962.16.04L	130	30	16	16	27	37	16	57	32	23
962.20.03R 962.20.04L	130	30	20	20	27	37	20	57	32	27

Further sizes upon request Dimensions in mm

Note:
Coolant supply must be ordered separately!

Spare parts

Toolholder	Screw	TORX PLUS® Wrench	Coolant supply
962....	**6.075T15P**	**T15PQ**	**004.00.19**

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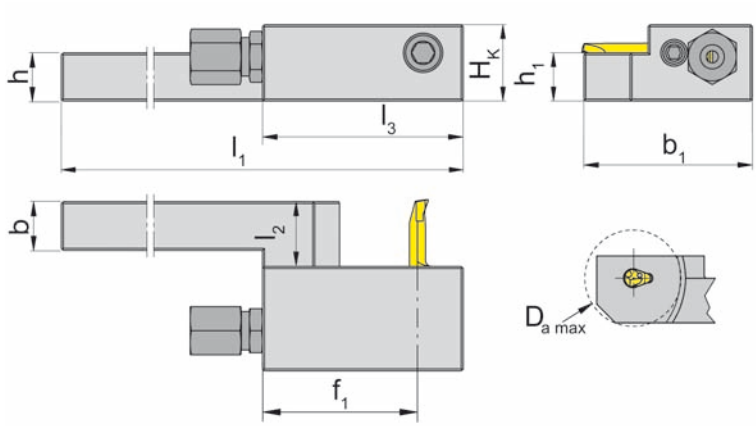
GROOVING and BORING

TOOLHOLDER Type 963

with screwed clamping

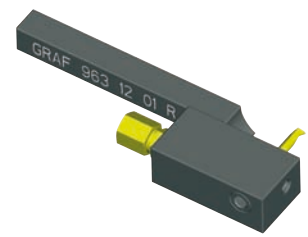
Bore Ø from	.008″ (0.2 mm)

Coolant through fittin



for use with Insert

Type 105
U105



R = right hand version shown L = left hand version

Part number	l_1	l_2	h	h_1	f_1	l_3	b	b_1	$D_{a\ max}$	H_k
963.08.01R **963.08.02L**	130	15	8	8	40	50	8	42	26	15
963.10.01R **963.10.02L**	130	15	10	10	40	50	10	42	26	17
963.12.01R **963.12.02L**	130	15	12	12	40	50	12	42	26	19
963.16.01R **963.16.02L**	130	15	16	16	45	50	16	42	32	23
963.20.01R **963.20.02L**	130	15	20	20	45	50	20	42	32	27

Further sizes upon request Dimensions in mm

Note:
Coolant supply must be ordered separately!

Spare parts

Toolholder	Screw	TORX PLUS® Wrench	Coolant supply
963....	**6.075T15P**	**T15PQ**	**004.00.19**

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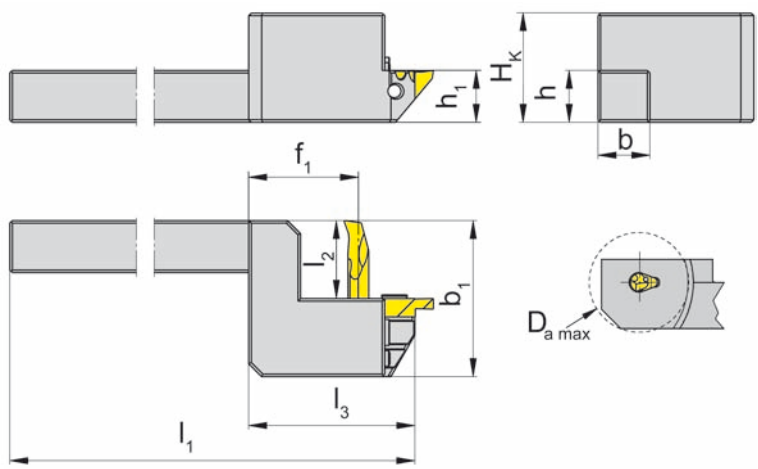
TOOLHOLDER Type AIH

Bore Ø from	.008″ (0.2 mm)



for use with Insert

Type 105
U105
S274

R = right hand version shown L = left hand version

Part number	l_1	l_2	h	h_1	f_1	l_3	b	b_1	$D_{a\ max}$	H_k	Remark
AIH.974.R/L1010.K04	130	15	10	10	23	35	10	30	20	17	*
AIH.974.R/L1212.K04			12	12	23	35	12		20	19	
AIH.974.R/L1616.K04			16	16	26	38	16		26	23	
AIH.974.R/L2020.K04			20	20	29	38	20		32	23	
AIH.R/L1010.K08	130	15	10	10	21	30	10	30	20	17	**
AIH.R/L1212.K08			12	12	21		12		20	19	
AIH.R/L1616.K08			16	16	24		16		26	23	
AIH.R/L2020.K08			20	20	27		20		32	23	

State R or L version

Dimensions in mm

Note:
* These toolholders can be equipped with HORN inserts type 105 and S274
** These toolholders can be equipped with HORN inserts type 105 and Graf inserts CS08

Further sizes upon request

Spare parts

Toolholder	Screw	Screw	TORX PLUS® Wrench
AIH....	**030.3509.T15P**	**6.075T15P**	**T15PQ**

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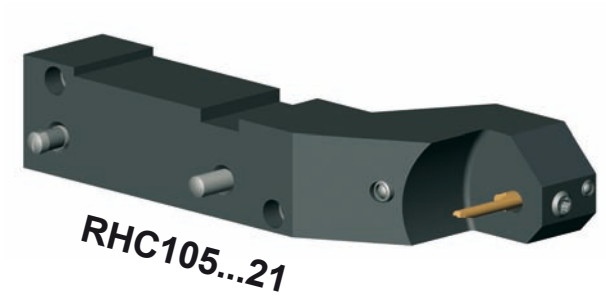
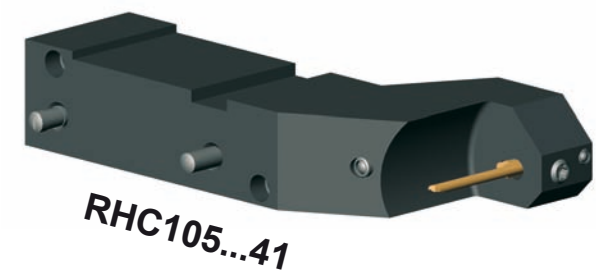
Tools for Tornos DECO2000

for Insert

- Type 105

Bore Ø from	.008″ (0.2 mm)





Basic toolholder	Insert	Machine
RHC105.0710.21	**105...21** l_2 up to .591" (15 mm)	**DECO7/10**
RHC105.0710.41	**105...41** l_2 up to .984" (25 mm)	

Dimensions in inch (mm)

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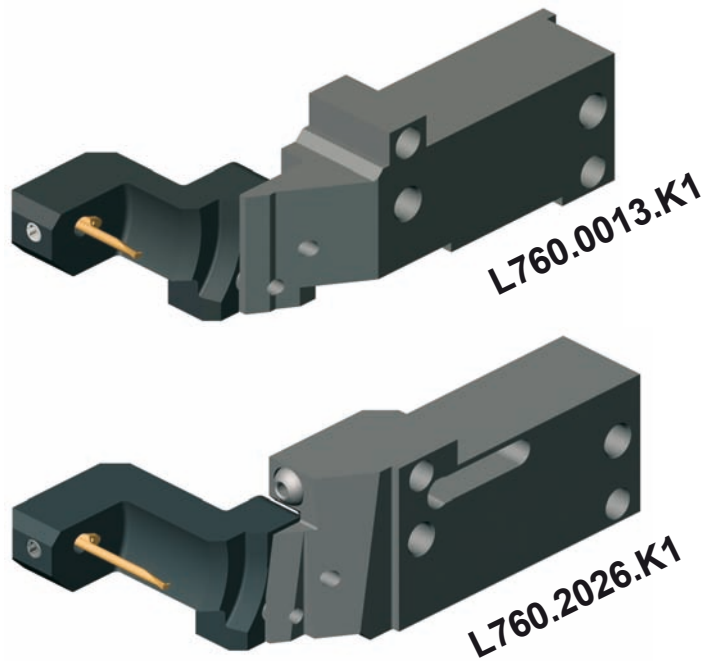
Tools for Tornos DECO2000

for Cassettes

- Type RKC760

Bore Ø from	.008″ (0.2 mm)



Basic toolholder	Cassette	Insert	Machine
L760.0013.K1	**RKC760.0105.21**	**105...21** l_2 up to .591" (15 mm)	**DECO13**
L760.2026.K1	**RKC760.0105.41**	**105...41** l_2 up to .984" (25 mm)	**DECO20/26**

Dimensions in inch (mm)

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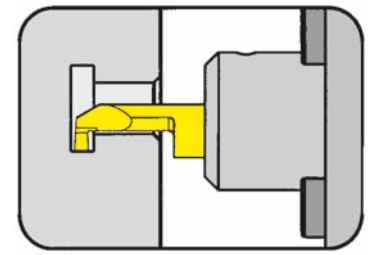
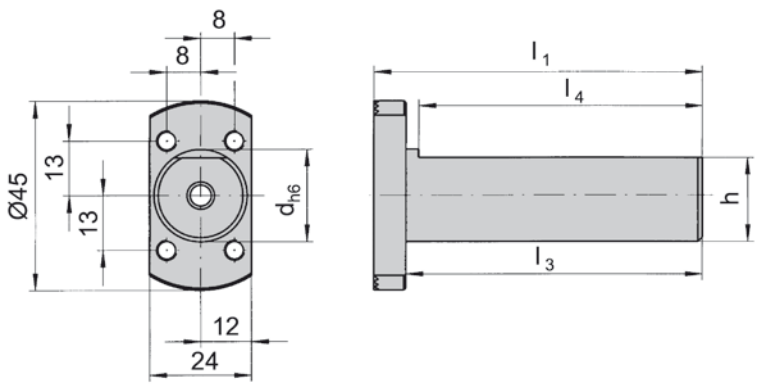
BASIC TOOLHOLDER Type **BGT**

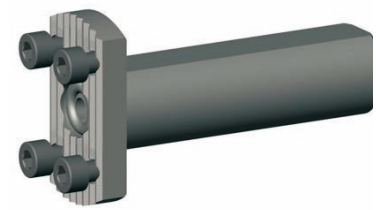
without cartridge



Adjustable round shanks for toolholder BKT105.2445.01/2

with through coolant supply





Part number	d	l_1	h	l_3	l_4	Machine tool
BGT001.0010.50	10	57.50	9	50	47	
BGT001.0016.21 **BGT001.0R16.21**	16	28.50	14	21	18	Star
BGT001.0020.100	20	107.50	18	100	97	Tornos
BGT001.0022.30 **BGT001.0022.70**	22	36.35 77.50	20	30 70	27 67	Star
BGT001.0025.70	25	77.50	23	70	67	
BGT001.0028.80	28	87.50	26	81	77	Traub

Further sizes upon request

Dimensions in mm

Note:
BGT001.0022.30 without through coolant supply

Spare parts

Basic toolholder	Screw	O-ring
BGT001.0...	**DIN912M5X10**	**DIN37707X3**

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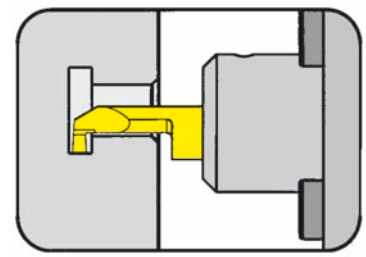
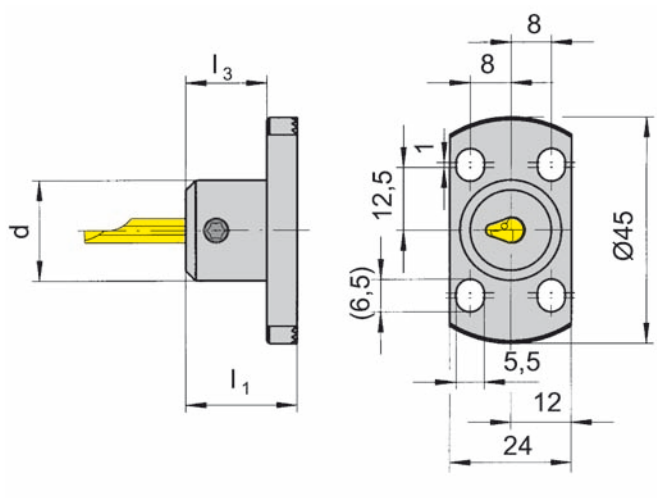
ADJUSTABLE HOLDER Type BKT



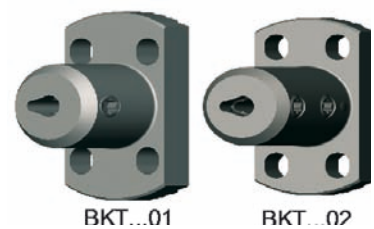
Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

with through coolant supply



for use with Insert

Type 105
U105



Part number	d	l_1	l_3
BKT105.2445.01	20	22	16
BKT105.2445.02		32	26

Further sizes upon request

Dimensions in mm

Spare parts

Adjustable holder	Screw	TORX PLUS® Wrench
BKT105.2445.0...	**6.075T15P**	**T15PQ**

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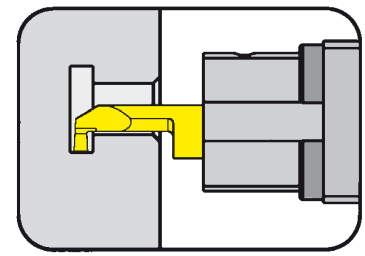
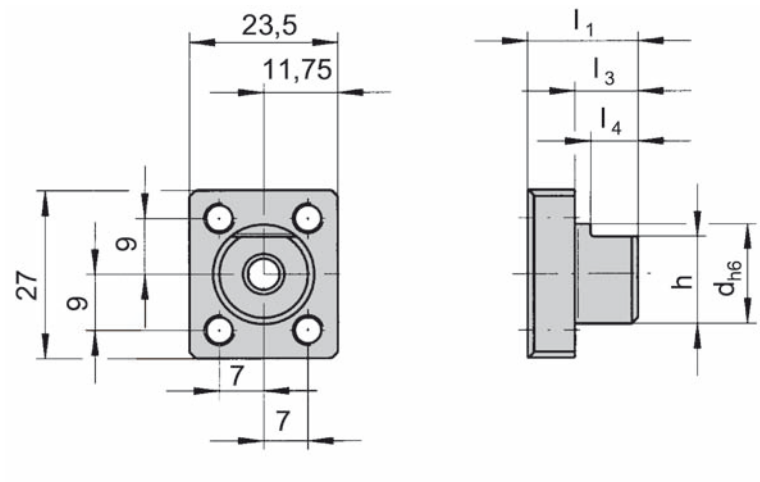
BASIC TOOLHOLDER Type **BGT**

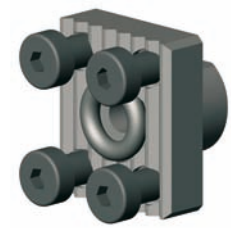
without cartridge



Adjustable round shanks for toolholder BKT105.2327.01

with through coolant supply





Part number	d	l_1	h	l_3	l_4	Machine tool
BGT001.1627.10	16	17.5	14	10	7.5	Star

Further sizes upon request

Dimensions in mm

Spare parts

Basic toolholder	Screw	O-ring
BGT001.1627.10	**DIN912M5X10**	**DIN37707X3**

In the UNITED STATES call us toll free
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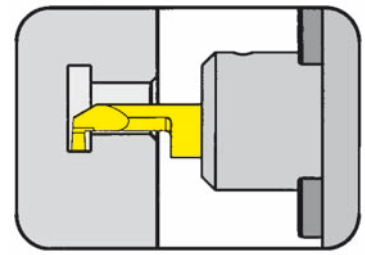
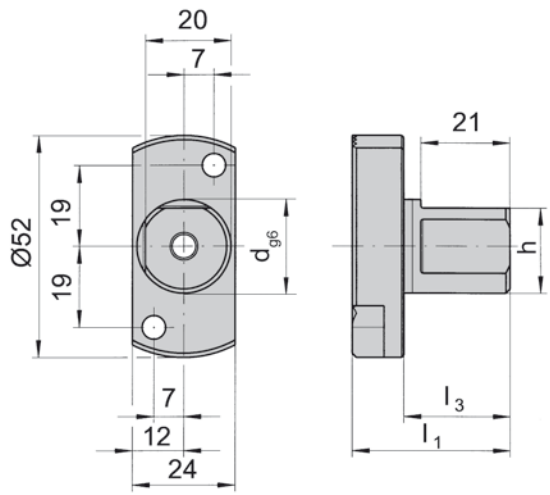
BASIC TOOLHOLDER Type **BGT**

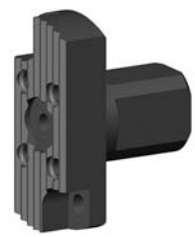
without cartridge



Adjustable round shanks for toolholder BKT105.2327.01

with through coolant supply





Part number	d	l_1	h	l_3
BGT001.0R22.25	22	37	20	25

Further sizes upon request

Dimensions in mm

Spare parts

Basic toolholder	Screw
BGT001.0R22.25	**DIN912M5X10**

In the UNITED STATES call us toll free
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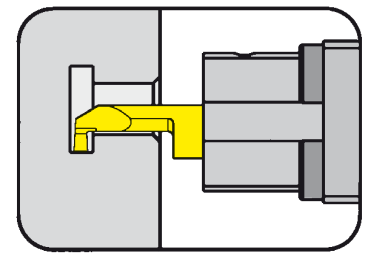
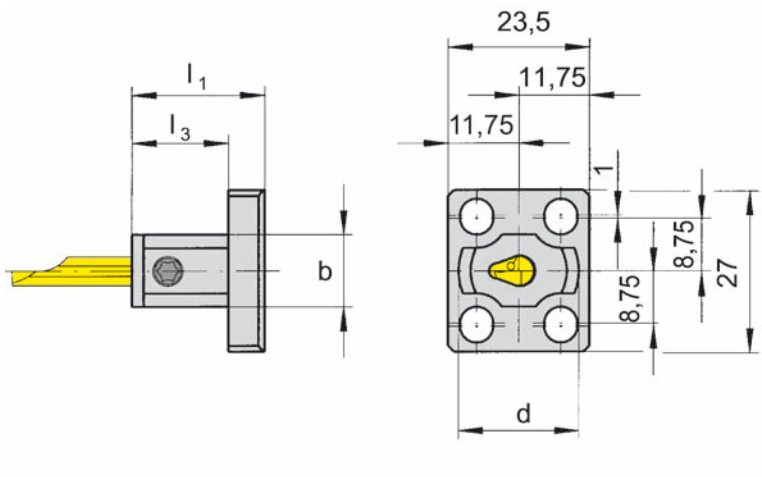
ADJUSTABLE HOLDER Type BKT



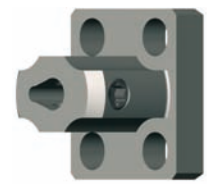
Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

with through coolant supply



for use with Insert

Type 105
U105



BKT105.2327.01

Part number	d	l_1	l_3	b
BKT105.2327.01	20	22	16	12

Further sizes upon request

Dimensions in mm

Spare parts

Adjustable holder	Screw	TORX PLUS® Wrench
BKT105.2327.01	**6.075T15P**	**T15PQ**

In the UNITED STATES call us toll free
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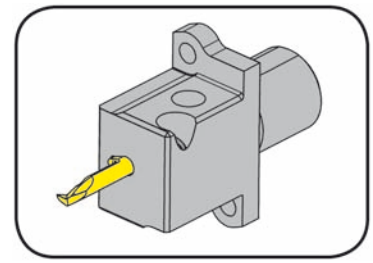
TOOLHOLDER Type

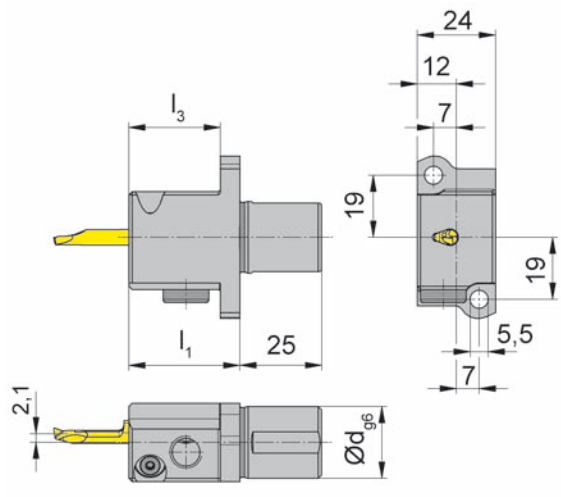
B105

with through coolant supply



Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

Through coolant supply G1/8"



L = left hand version

for use with Insert

Type 105
U105

Star SV 12/20/32
SR 10/20/32 and SB 16

Part number	d	l_1	l_3
LB105.A022.26.31	22	34	28

Further sizes upon request

Dimensions in mm

Spare parts

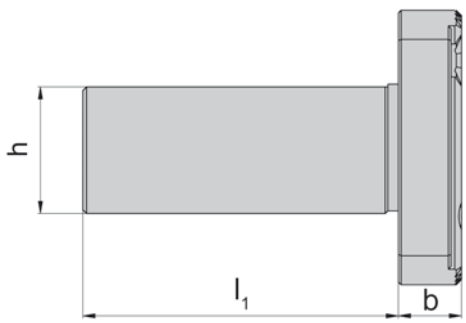
Toolholder	Screw	TORX PLUS® Wrench
LB105.A022.26.31	**6.075T15P**	**T15PQ**

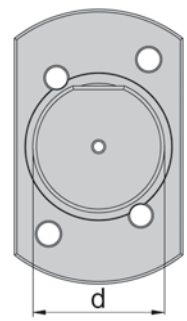
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BASIC TOOLHOLDER Type G

without cartridge

for adjustable holder Graf type N and HORN
BKT105.2445.01/2





Part number	d	l_1	h	b	Machine tool
G016021 **G016040**	16,00	21 40	14	6	Star Traub/Manurhin
G034040 **G034050** **G034120**	3/4"	40 50 120	18	6	Citizen
G020030 **G020040** **G020100** **G020150**	20,00	30 40 100 150	18	6	Citizen Hanwha Tornos Manurhin/Tornos
G022023 **G022025SR16/20R** **G022030** **G022030SR32** **G022070**	22,00	23 25 30 30 70	20	6 12 6 12 6	Star

Further sizes upon request

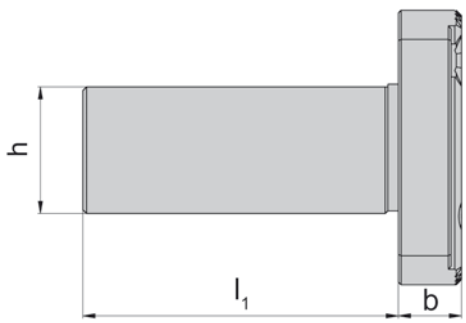
Dimensions in mm and inch

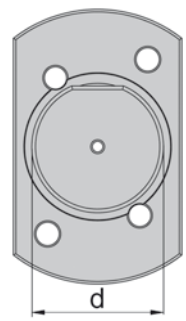
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BASIC TOOLHOLDER Type G

without cartridge

for adjustable holder Graf type N and HORN
BKT105.2445.01/2





Part number	d	l_1	h	b	Machine tool
G025060	25,0	60	23	12	Hanwha
G025070		70		6	Manurhin/Tornos
G025100		100		6	Manurhin/Tornos
G025160		160		6	Manurhin/Tornos
G010060	1"	60	23	6	Citizen
G010100		100			
G028006	28,0	6	26	12	Hanwha
G028080		80			Traub
G030045	30,0	45	27	12	Maier
G033040	33,0	40	31	12	Hanwha
G034020	34,0	20	32	12	Maier
G034044		44			Maier/Hanwha

Further sizes upon request

Dimensions in mm and inch

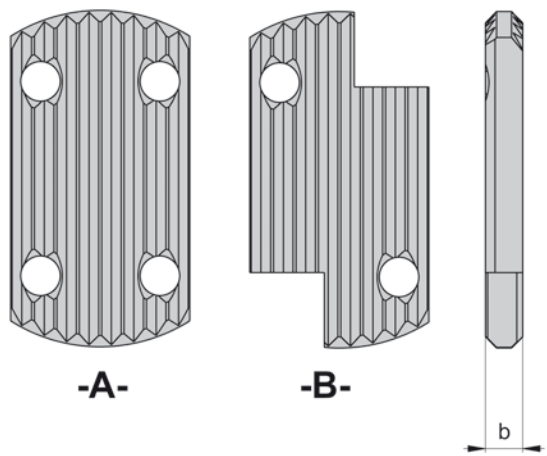
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

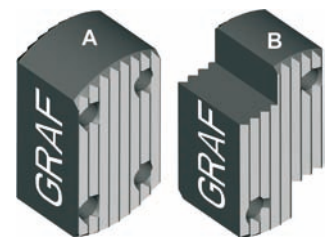
ADAPTOR Type

Z

without cartridge

for adjustable holder Graf type N and HORN
BKT105.2445.01/2





Part number	b	Form
Z5	5	A
Z10	10	
Z15	15	
Z20	20	
Z25	25	
Z30	30	
Z5SR16/20R	5	B
Z10SR16/20R	10	
Z15SR16/20R	15	
Z20SR16/20R	20	
Z25SR16/20R	25	
Z30SR16/20R	30	

Further sizes upon request

Dimensions in mm

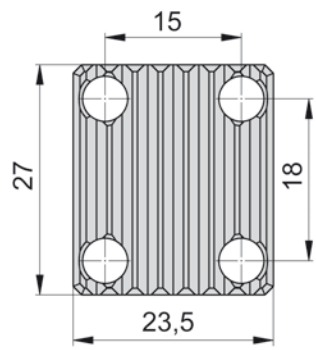
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

ADAPTOR Type

Z

without cartridge

for adjustable holder HORN BKT.105.2327.01



Part number	b
Z10SW7	10
Z15SW7	15
Z20SW7	20
Z25SW7	25
Z30SW7	30

Further sizes upon request

Dimensions in mm

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

ADAPTOR Type

N

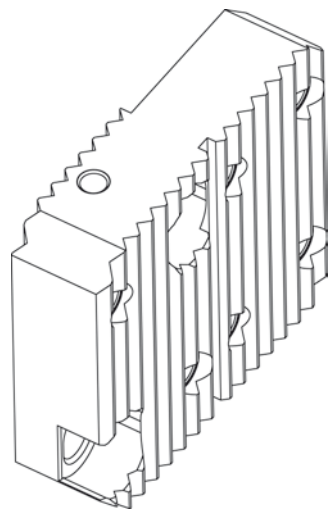
without Cartridge

for adjustable holder Graf type N and HORN BKT105.2445.01/2

for back working

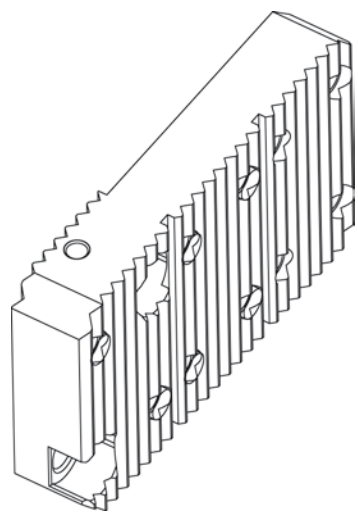
Part number N11

For alternatively 2 cartridges



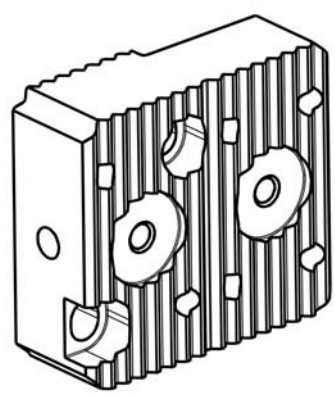
Part number N12

For alternatively 3 cartridges



Part number N93IK

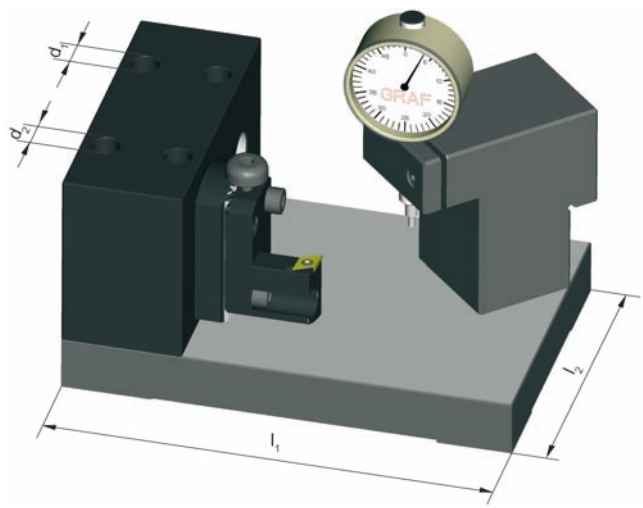
with through coolant supply



In the UNITED STATES call us toll free
1 - 888 - 818 HORN

DEVICE FOR HEIGHT ADJUSTING Type HVR40

for back working holder HVR40



Part number	d_1	d_2	l_1	l_2	System
12.0506	16	22			STAR
12.0507	3/4"	1"			CITIZEN
12.0508	30	34	250	180	MAIER
12.0511	25	33			HANWHA
12.0523	20	28			HANWHA

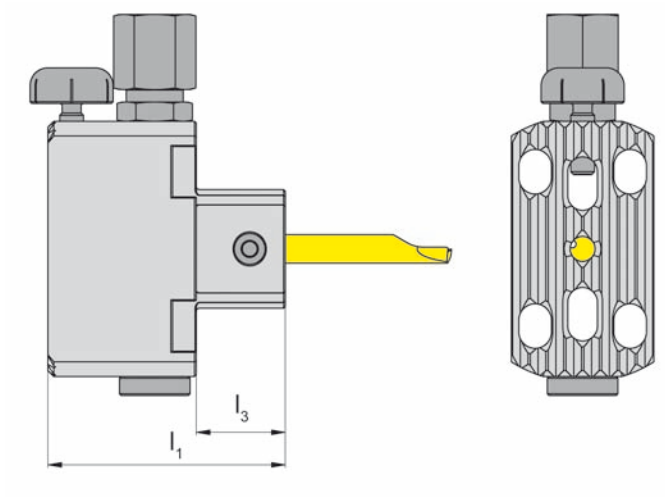
Dimensions in mm and inch

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

ADJUSTABLE HOLDER Type N

Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

with through coolant supply



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Part number	l_1	l_3
N09IK	40	15

Further sizes upon request

Dimensions in mm

Spare parts

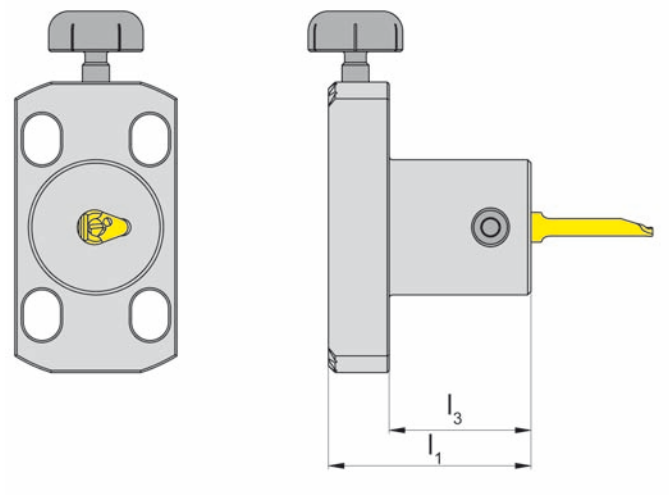
Adjustable holder	Screw	Height adjustment screw	Coolant supply
N09IK	**6.075T15P**	**002.00.69**	**004.00.19**

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

ADJUSTABLE HOLDER Type N

Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

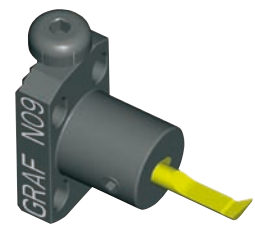
no through coolant supply



Picture = right hand cutting version shown

for use with Insert

Type 105
U105



Part number	l_1	l_3
N09	30	20

Further sizes upon request

Dimensions in mm

Spare parts

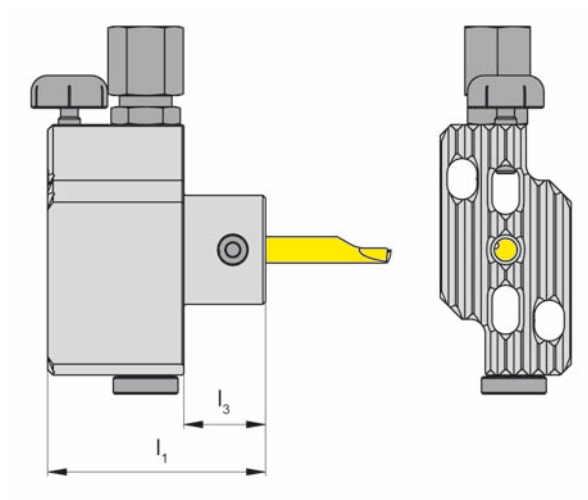
Adjustable holder	Screw	Height adjustment screw
N09	**6.075T15P**	**002.00.69**

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

ADJUSTABLE HOLDER Type N

Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

with through coolant supply



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Part number	l_1	l_3
N73IK	40	15

Further sizes upon request

Dimensions in mm

Spare parts

Adjustable holder	Screw	Height adjustment screw	Coolant supply
N73IK	**6.075T15P**	**002.00.69**	**004.00.19**

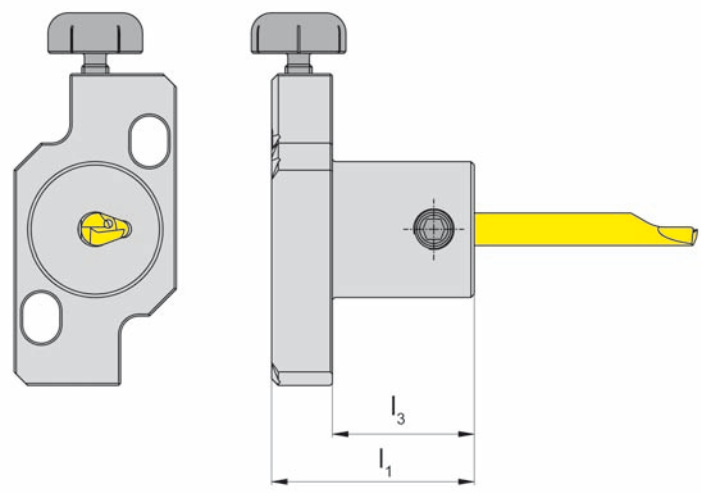
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

ADJUSTABLE HOLDER Type N

GRAF WERKZEUGSYSTEME

Bore Ø from	.008″ (0.2 mm)
Depth of groove up to	.098″ (2.5 mm)
Width of groove up to	.079″ (2.0 mm)

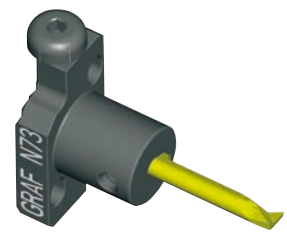
no through coolant supply



Picture = right hand cutting version shown

for use with Insert

Type 105
U105



Part number	l_1	l_3
N73	30	20

Further sizes upon request

Dimensions in mm

Spare parts

Adjustable holder	Screw	Height adjustment screw
N73	**6.075T15P**	**002.00.69**

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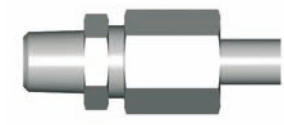
Standard connection for through cooling

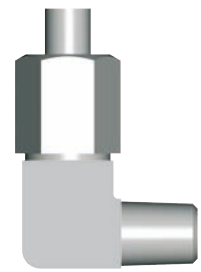
for pipe Ø 6 mm

Connection for through cooling
004.00.19

M8 x 1



for pipe Ø 6 mm

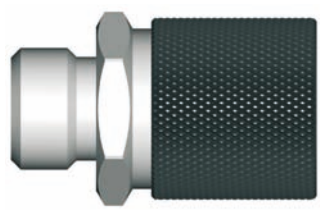


Connection for through cooling
004.00.22

M8 x 1

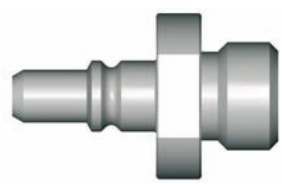
Clip connection for through cooling

M10 x 1



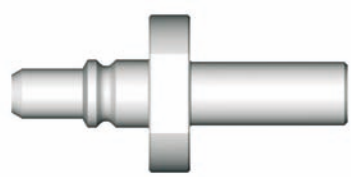
Clip connection

004.00.49



Plug

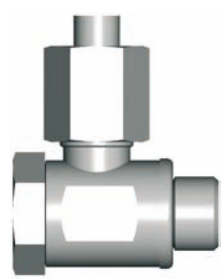
M8 x 1 - 004.00.56
G1/8" - 004.00.57



Plug

Ø 6 mm - 004.00.59

for pipe Ø 6 mm



Coupling

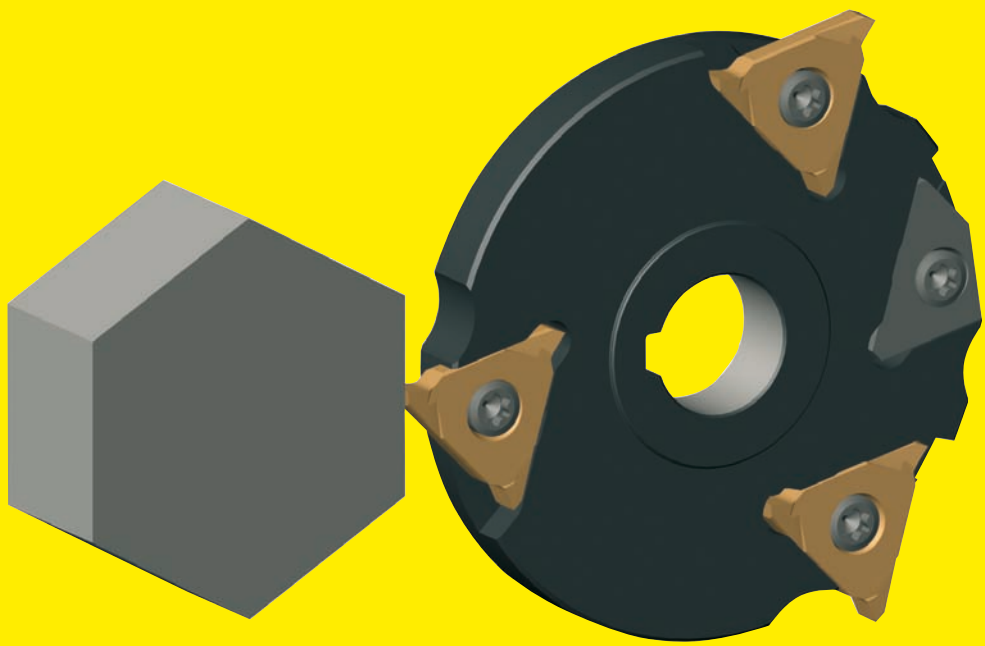
M8 x 1 - 004.00.61
G1/8" - 004.00.16

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

Polygon cutter

For use on lathes with ability to machine polygon profiles

For further information, please see HORN catalog "CARBIDE MILLING TOOLS".



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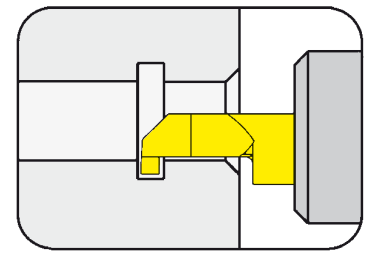
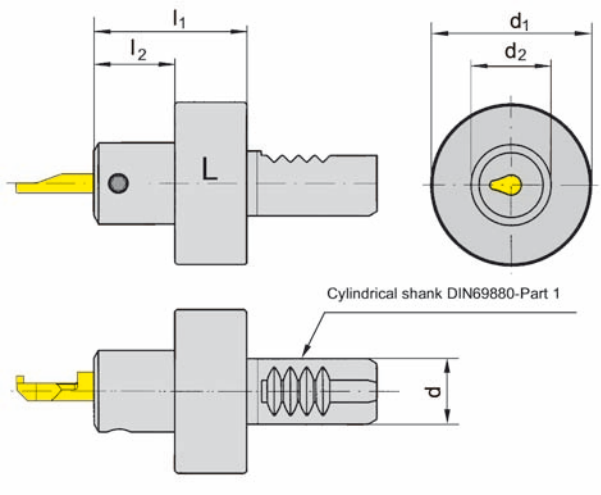
TOOLHOLDER Type

VDI

with through coolant supply



Bore Ø from	.008″ (0.2 mm)



for use with Insert

Type 105
U105

L = left hand version shown

R = right hand version

Part number	d	l_1	l_2	d_2	d_1
VDI16.R/L105.20.01	16	38	20	20	40
VDI20.R/L105.20.01	20	38	20	20	50
VDI25.R/L105.20.01	25	38	20	20	58
VDI30.R/L105.20.01	30	38	20	20	68
VDI40.R/L105.20.01	40	38	20	20	83

State R or L version

Dimensions in mm

Further sizes upon request

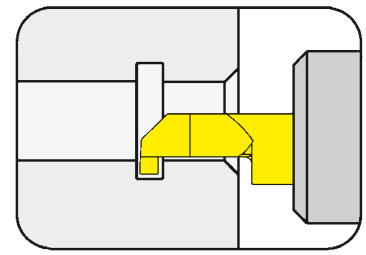
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
VDI...	**6.075T15P**	**T15PQ**

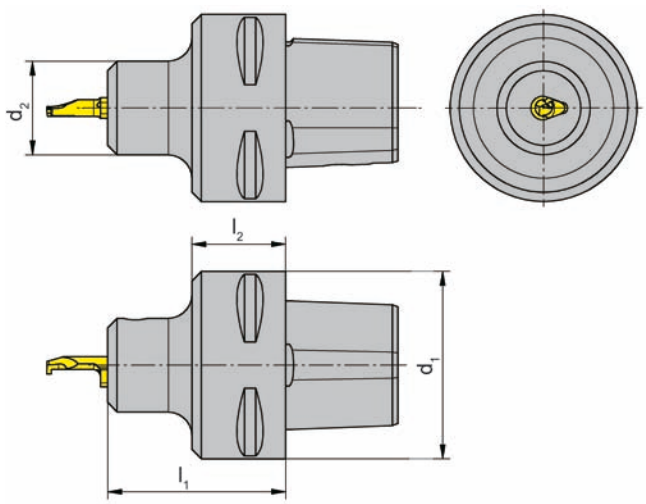
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

TOOLHOLDER Type

B105C



Adapter for inserts type 105 HORN-Capto



R = right hand version shown L = left hand version

for use with Insert

Type 105
U105

Licence Sandvik

Part number	l_1	l_2	d_2	d_1	Remark
R/LB105.00C3.20.1.01	30	15	20	32	C3
R/LB105.00C4.20.1.01	38	20		40	C4
R/LB105.00C5.20.1.01	38	20		50	C5
R/LB105.00C6.20.1.01	42	22		63	C6

State R or L version

Dimensions in mm

Further sizes upon request

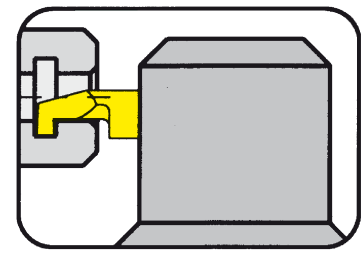
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LB105.00C...	**6.075T15P**	**T15PQ**

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

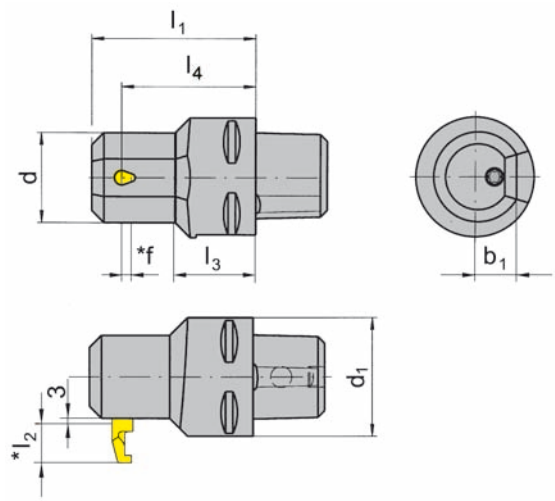
TOOLHOLDER Type

B105C



Adapter for inserts type 105 HORN-Capto

for INDEX Multi spindle machines



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Licence Sandvik

Part number	d	l_1	l_3	b_1	l_4	d_1	Type of machine
RB105.00C3.2.2.01 **RB105.00C3.2.2.02**	30 36	55	17 15	14 18	45	32	MS32
RB105.00C4.2.2.01 **RB105.00C4.2.2.02**	30 36	55	26 22	14 18	45	40	MS52

Further sizes upon request

f, l_2 see inserts type 105

Dimensions in mm

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
RB105.00C...	**6.075T15P**	**T15PQ**

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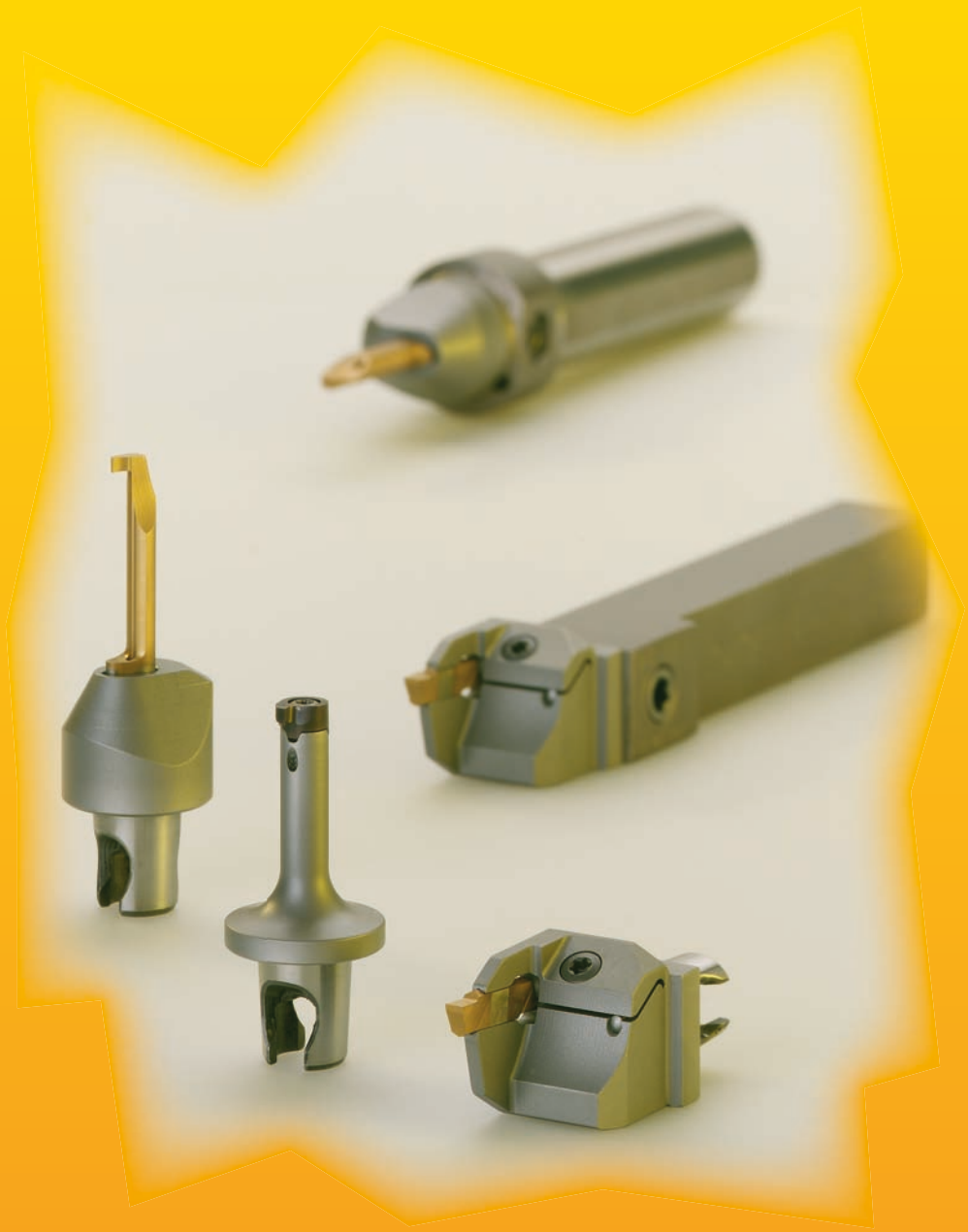
Supermini® 105 from Ø .008˝ (0.2 mm)
MINI 108 from Ø.315˝ (8.0 mm)
Grooving system 264



External and internal machining
- not only for Swiss Type Machines -

In the UNITED STATES call us toll free
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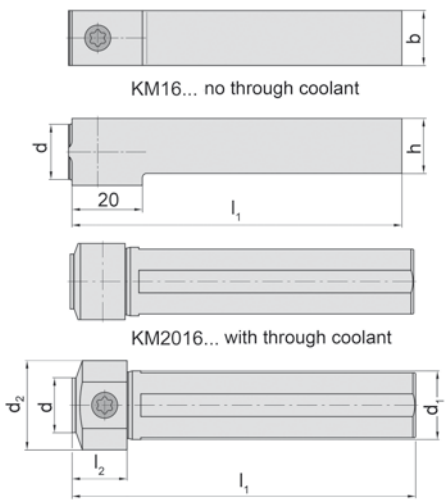
BASIC TOOLHOLDER Type KM16

Basic toolholder for use with toolholder ...KM16...



System Kennametal
KM16 Micro

Part number	d	d_1	d_2	l_1	l_2	h	b
KM16 NCM 1616 100	16	-	-	100	-	16	16
KM2016 NCM SS20 16 **KM2016 NCM SS22 16**	20	20 22	26 28	100	16	-	-

Dimensions in mm

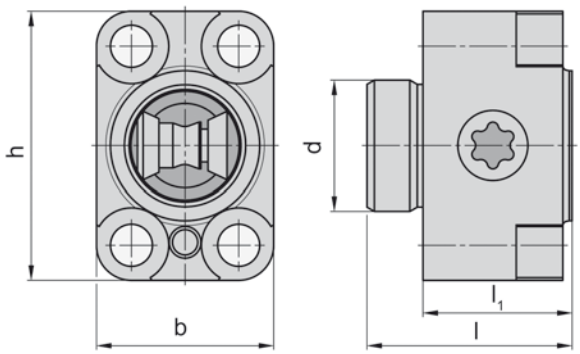
Spare parts

Basic toolholder	Screw	TORX PLUS® Blade
KM16 NCM 1616 100 KM2016 NCM SS2...	**KM16-NSPKG** **KM16-NAPKG**	**DT27PQ** **DT27PQ**

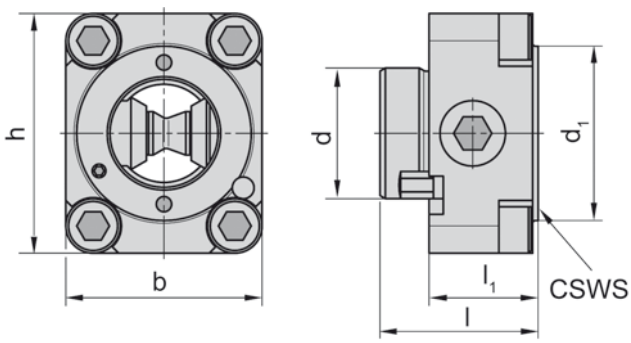
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

FLANGE Type KM16

Basic toolholder for use with toolholder ...KM16...



KM16... no through coolant supply



KM2016... with through coolant supply

System Kennametal
KM16 Micro

Part number	l	d	d_1	l_1	h	b
KM16NCMSF1928	22	14	-	16	27.5	19
KM2016NCMSF2434	22	20	20	16	33.0	25

Spare parts

Flange	Screw	TORX PLUS® Blade
KM16NCMSF1928	**KM16-NSPKG**	**DT27PQ**
KM2016NCMSF2434	**KM16-NAPKG**	**DT27PQ**

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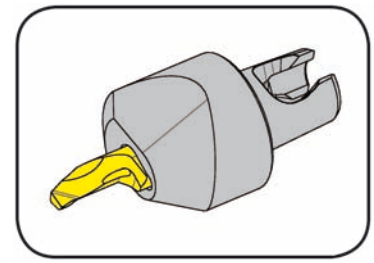
1 - 888 - 818 HORN

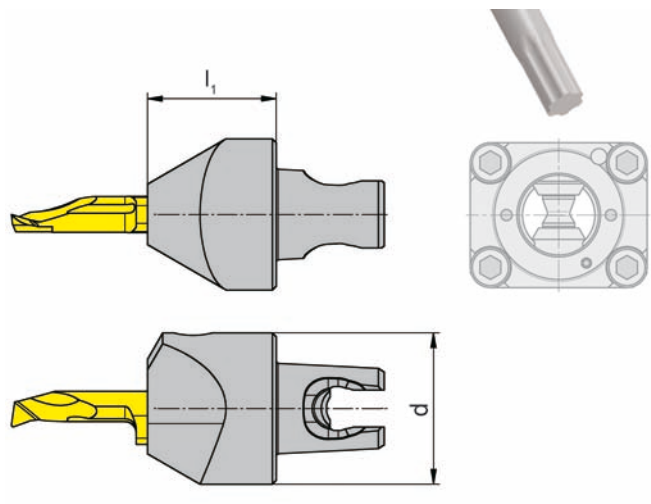
TOOLHOLDER Type

B105KM

with through coolant supply



Bore Ø from	.008″ (0.2 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

System Kennametal
KM16 Micro

Part number	d	l_1
B105.KM16.90.01	20	17

Further sizes upon request

Dimensions in mm

Spare parts

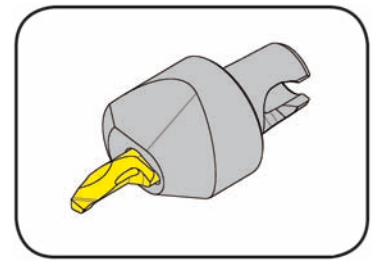
Toolholder	Screw	TORX PLUS® Wrench
B105.KM16.90.01	**6.075T15P**	**T15PQ**

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

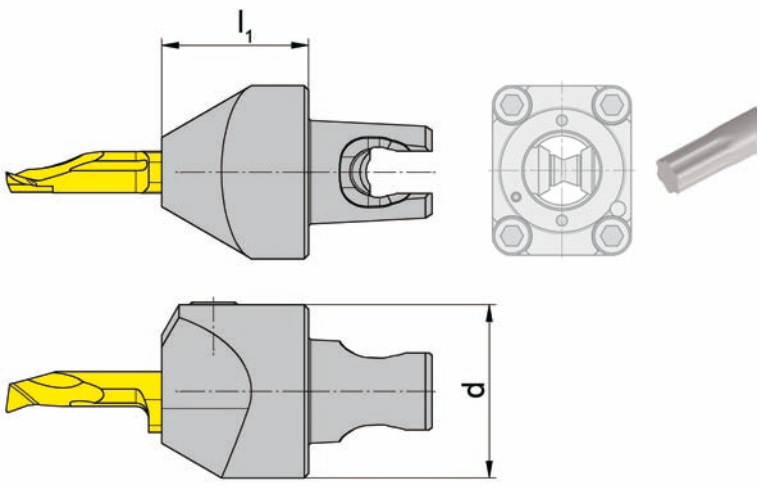
TOOLHOLDER Type

B105KM

with through coolant supply



Bore Ø from	.008″ (0.2 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

System Kennametal
KM16 Micro

Part number	d	l_1
B105.KM16.01	20	17

Further sizes upon request

Dimensions in mm

Spare parts

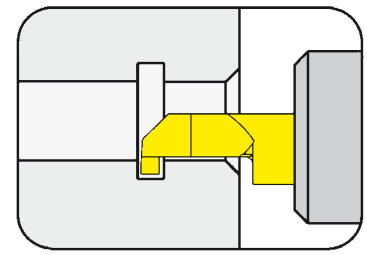
Toolholder	Screw	TORX PLUS® Wrench
B105.KM16.01	**6.075T15P**	**T15PQ**

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

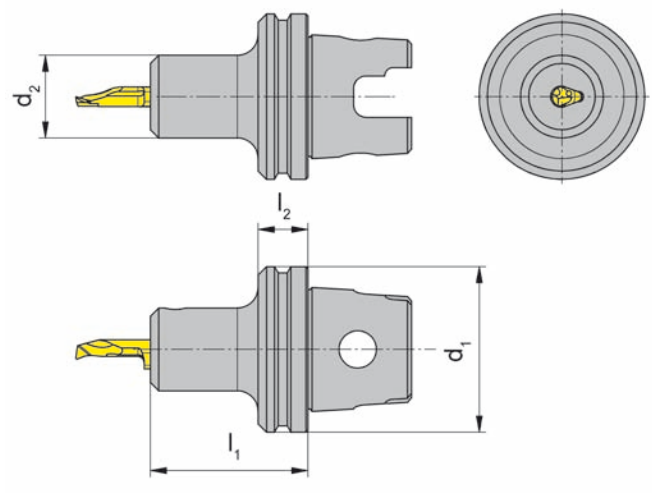
TOOLHOLDER Type

B105KM

with through coolant supply



Adapter for inserts type 105 System KM



R = right hand version shown L = left hand version

for use with Insert

Type 105
U105

KM-System

Part number	l_1	l_2	d_2	d_1	Remark
R/LB105.KM40.20.1.01	38	12	20	40	KM40

State R or L version

Dimensions in mm

Further sizes upon request

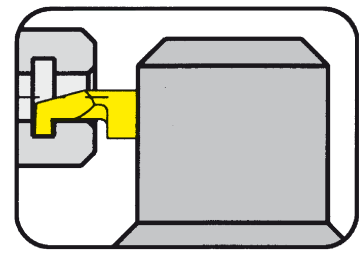
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LB105.KM40.20.1.01	**6.075T15P**	**T15PQ**

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

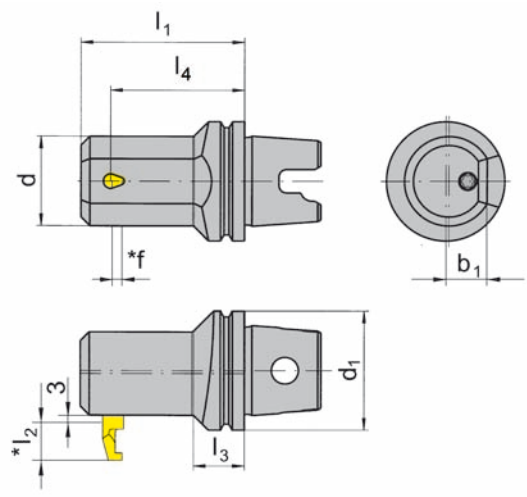
TOOLHOLDER Type

B105KM



Adapter for inserts type 105 HORN-KM

for INDEX Multi spindle machines



Picture = right hand cutting version shown

for use with Insert

Type 105
U105

Licence Kennametal

Part number	d	l_1	l_3	b_1	l_4	d_1	Type of machine
RB105.KM40.2.2.01 **RB105.KM40.2.2.02**	36	55	17 14	14 18	45	40	MS32
RB105.KM50.2.2.01 **RB105.KM50.2.2.02**	36	55	26 22	14 18	45	50	MS52

Further sizes upon request

f, l_2 see inserts type 105

Dimensions in mm

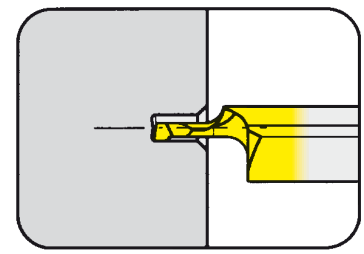
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
RB105.KM...	**6.075T15P**	**T15PQ**

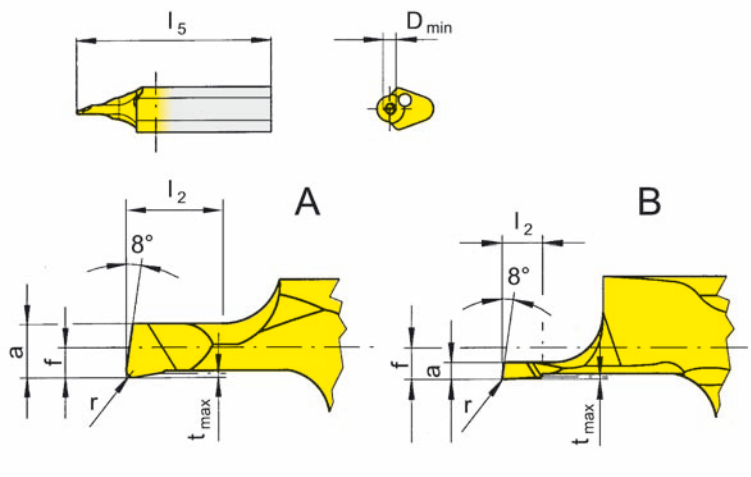
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .008″

INSERT Type 105



Bore Ø from	.008″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown

L = left hand version

Part number	f	a	l_2	l_5	t_{max}	D_{min}	r	Form	MG12	TN35	TI25	TF45	TH35
R/L105.1802.0.02	.039	.007	.039	.906	.001	**.008**	.001	B	▲/▲				
R/L105.1802.0.03	.039	.010	.039	.906	.001	**.012**	.001	B	▲/▲				
R/L105.1802.0.05	.039	.016	.079	.906	.002	**.020**	.002	B	▲/▲				
R/L105.1803.0.07	.012	.024	.079	.906	.002	**.028**	.002	A	▲/▲				
P									o				
M									•				
K									•				
S									•				
N									•				
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

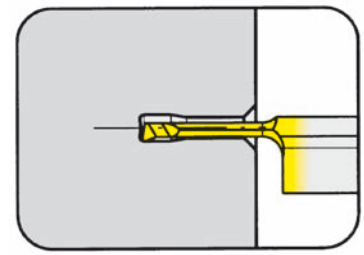
Dimensions in inch

Carbide grades

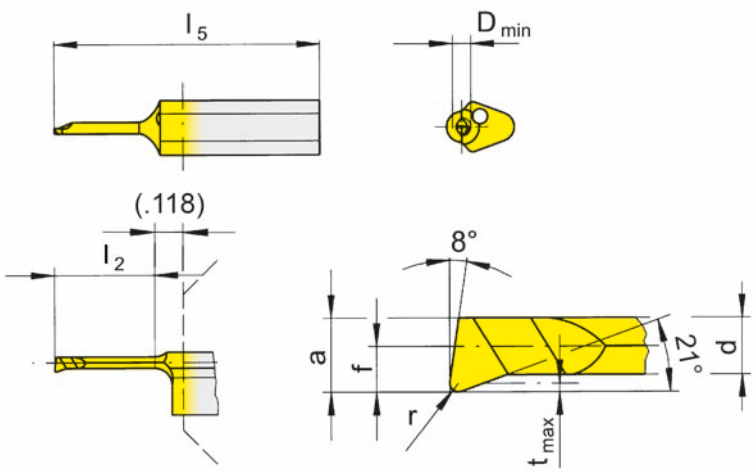
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

INSERT Type 105



Bore Ø from	.039″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown

L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1805.005.0.1	.020	.035	.026	.157	.984	.004	**.039**	.002				▲/▲	
R/L105.1805.005.1.1				.236								▲/▲	
R/L105.1805.005.2.1				.315								▲/▲	
R/L105.1805.0.1	.020	.035	.026	.157	.984	.004	**.039**	.004	▲/Δ	▲/▲	▲/Δ		
R/L105.1805.1.1				.236						▲/▲	▲/▲		
R/L105.1805.2.1				.315						▲/▲	▲/▲		
R/L105.1813.005.0.15	.051	.055	.043	.236	.984	.006	**.059**	.002				▲/▲	
R/L105.1813.005.1.15				.354	.984							▲/▲	
R/L105.1813.005.2.15				.472	1.181							▲/▲	
R/L105.1813.01.0.15	.051	.055	.043	.236	.984	.006	**.059**	.004			▲/▲		▲/▲
R/L105.1813.01.1.15				.354	.984						▲/▲		▲/▲
R/L105.1813.01.2.15				.472	1.181						▲/▲		▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•	•	•	•
M	•	•	•	•	•
K	•	•	•	•	•
S	•	•	•	•	•
N	•	•	•	•	•
H					

Carbide grades

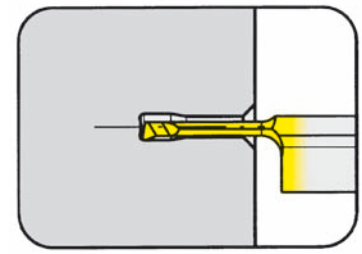
Dimensions in inch

State R or L version

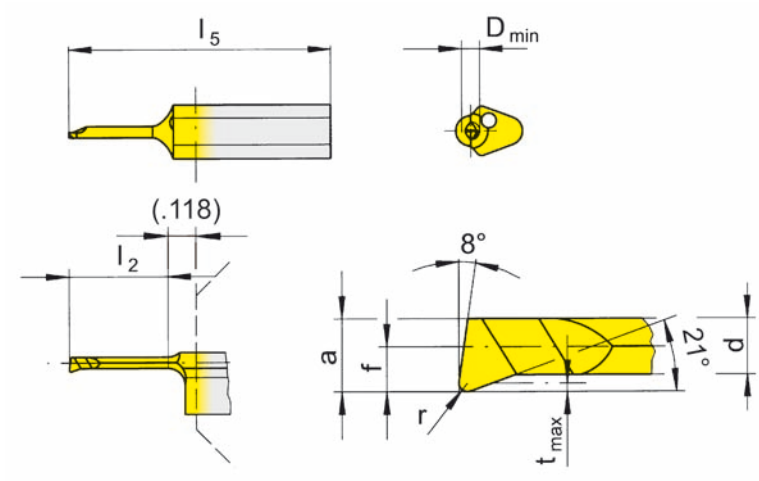
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .079″

INSERT Type 105



Bore Ø from	.079″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1809.005.0.2	.039	.075	.063	.236	.984	.006	**.079**	.002				▲/▲	
R/L105.1809.005.1.2				.354	.984							▲/▲	
R/L105.1809.005.2.2				.472	1.181							▲/▲	
R/L105.1809.01.0.2	.039	.075	.063	.236	.984	.006	**.079**	.004			▲/▲		▲/▲
R/L105.1809.01.1.2				.354	.984						▲/▲		▲/▲
R/L105.1809.01.2.2				.472	1.181						▲/▲		▲/▲
R/L105.1809.0.2	.039	.075	.063	.236	.984	.006	**.079**	.006	▲/Δ	▲/▲	▲/▲		▲/▲
R/L105.1809.1.2				.354	.984				▲/Δ	▲/▲	▲/▲		▲/▲
R/L105.1809.2.2				.472	1.181				▲/Δ	▲/▲	▲/▲		▲/▲
R/L105.1813.005.0.25	.051	.091	.077	.236	.984	.006	**.098**	.002					▲/▲
R/L105.1813.005.1.25				.354	.984							▲/▲	
R/L105.1813.005.2.25				.472	1.181							▲/▲	
R/L105.1813.005.3.25				.630	1.378							▲/	

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•	•	•	•
M	•	•	•	•	•
K	•	•	•	•	•
S	•	•	•	•	•
N	•	•	•	•	•
H					

Dimensions in inch

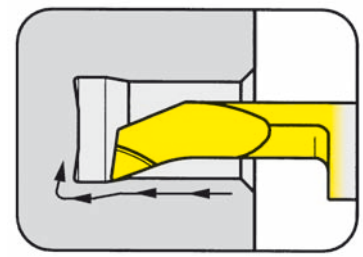
Carbide grades

State R or L version

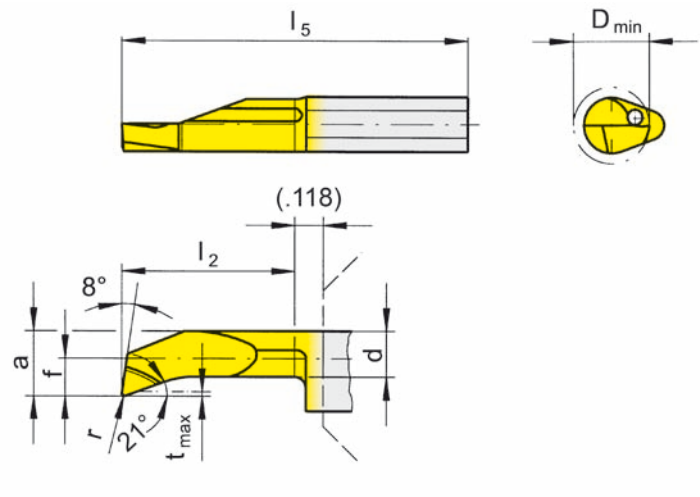
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .118″

INSERT Type **105**



Bore Ø from .118″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1813.005.1.3	.051	.102	.091	.394	.984	.006	**.118**	.002				▲/▲	
R/L105.1813.005.2.3				.591	1.181							▲/▲	
R/L105.1813.005.3.3				.787	1.378							▲/▲	
R/L105.1813.01.1.3	.051	.102	.091	.394	.984	.006	**.118**	.004			▲/▲		▲/▲
R/L105.1813.01.2.3				.591	1.181						▲/▲		▲/▲
R/L105.1813.01.3.3				.787	1.378						▲/▲		▲/▲
R/L105.1813.1.3	.051	.102	.091	.394	.984	.006	**.118**	.008	▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1813.2.3				.591	1.181				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1813.3.3				.787	1.378				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1819.005.1.4	.075	.146	.114	.394	.984	.012	**.157**	.002				▲/▲	
R/L105.1819.005.2.4				.591	1.181							▲/▲	
R/L105.1819.005.3.4				.787	1.378							▲/▲	
R/L105.1819.1.4	.075	.146	.114	.394	.984	.012	**.157**	.008	▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1819.2.4				.591	1.181				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1819.3.4				.787	1.378				▲/▲	▲/▲	▲/▲		▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	●	●	●	●
M	●	●	●	●	●
K	●	●	●	●	●
S	●	●	●	●	●
N	●	●	●	●	●
H					

Carbide grades

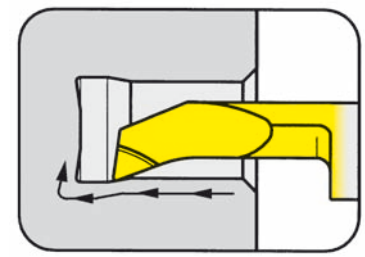
Dimensions in inch

State R or L version

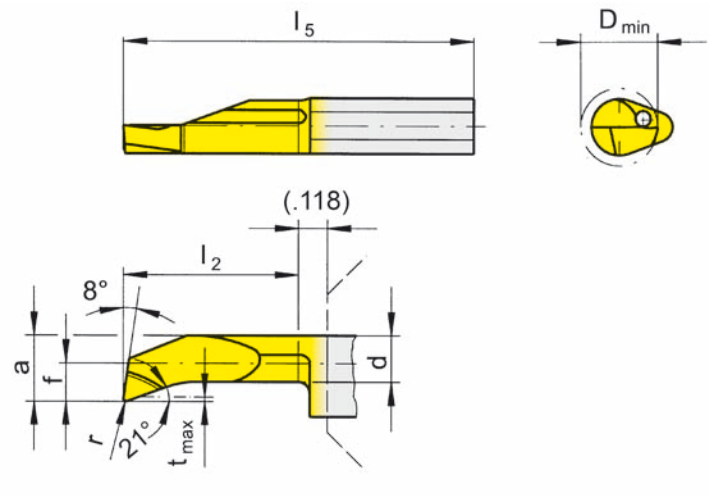
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .197″

INSERT Type **105**



Bore Ø from	.197″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1823.005.1.5	.091	.185	.157	.394	.984	.020	**.197**	.002				▲/▲	
R/L105.1823.005.2.5				.591	1.181							▲/▲	
R/L105.1823.005.3.5				.787	1.378							▲/▲	
R/L105.1823.005.4.5				.984	1.575							▲/▲	
R/L105.1823.005.5.5				1.181	1.772							▲/▲	
R/L105.1823.1.5	.091	.185	.157	.394	.984	.020	**.197**	.008	▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1823.2.5				.591	1.181				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1823.3.5				.787	1.378				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1823.4.5				.984	1.575				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1823.5.5				1.181	1.772				▲/▲	▲/▲	▲/▲		▲/▲

P	o	•	•	•	•
M	•	•	•	•	•
K	•	•	•	•	•
S	•	•	•	•	•
N	•	•	•	•	•
H					

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

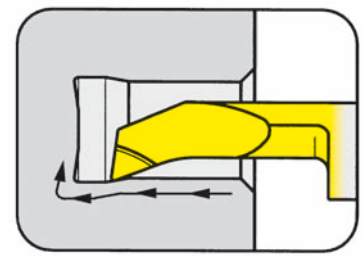
Carbide grades

State R or L version

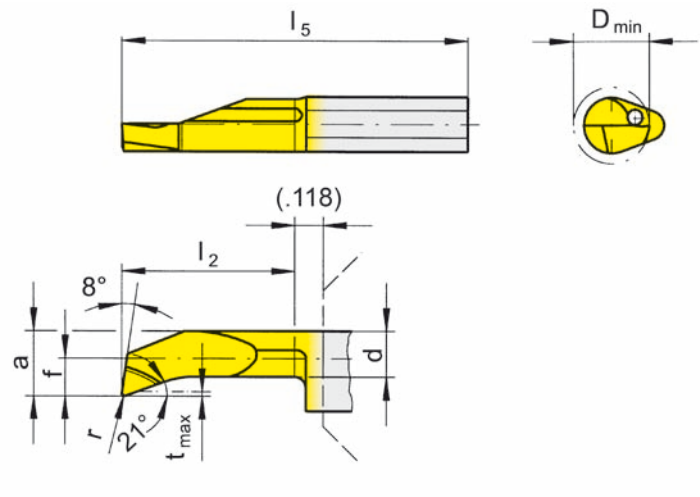
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .236″

INSERT Type **105**



Bore Ø from .236″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1833.005.2.6	.130	.224	.185	.591	1.181	.020	**.236**	.002				▲/▲	
R/L105.1833.005.3.6				.787	1.378							▲/▲	
R/L105.1833.005.4.6				.984	1.575							▲/▲	
R/L105.1833.005.5.6				1.181	1.772							▲/▲	
R/L105.1833.2.6	.130	.224	.185	.591	1.181	.020	**.236**	.008	▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1833.3.6				.787	1.378				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1833.4.6				.984	1.575				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1833.5.6				1.181	1.772				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1840.005.3.7	.157	.252	.205	.787	1.378	.020	**.268**	.002				▲/▲	
R/L105.1840.005.4.7				.984	1.575							▲/▲	
R/L105.1840.005.5.7				1.181	1.772							▲/▲	
R/L105.1840.3.7	.157	.252	.205	.787	1.378	.020	**.268**	.008	▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1840.4.7				.984	1.575				▲/▲	▲/▲	▲/▲		▲/▲
R/L105.1840.5.7				1.181	1.772				▲/▲	▲/▲	▲/▲		▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•	•	•	•
M	•	•	•	•	•
K	•	•	•	•	•
S	•	•	•	•	•
N	•	•	•	•	•
H					

Dimensions in inch

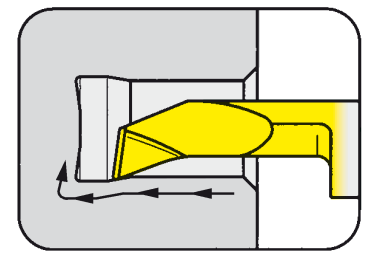
Carbide grades

State R or L version

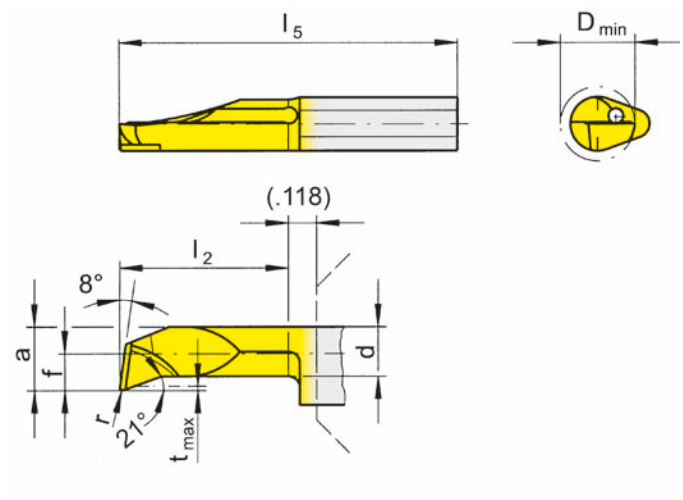
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .157″

INSERT Type **105**



Bore Ø from .157″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

extended chip breaker (geometry HV)

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1819.1.HV4	.075	.146	.114	.394	.984	.012	**.157**	.008					▲/▲
R/L105.1819.2.HV4				.591	1.181								▲/▲
R/L105.1819.3.HV4				.787	1.378								▲/▲
R/L105.1823.1.HV5	.091	.185	.157	.394	.984	.020	**.197**	.008					▲/▲
R/L105.1823.2.HV5				.591	1.181								▲/▲
R/L105.1823.3.HV5				.787	1.378								▲/▲
R/L105.1823.4.HV5				.984	1.575								▲/▲
R/L105.1823.5.HV5				1.181	1.772								▲/▲
R/L105.1833.2.HV6	.130	.224	.185	.591	1.181	.020	**.236**	.008					▲/▲
R/L105.1833.3.HV6				.787	1.378								▲/▲
R/L105.1833.4.HV6				.984	1.575								▲/▲
R/L105.1833.5.HV6				1.181	1.772								▲/▲
R/L105.1840.3.HV7	.157	.252	.205	.787	1.378	.020	**.268**	.008					▲/▲
R/L105.1840.4.HV7				.984	1.575								▲/▲
R/L105.1840.5.HV7				1.181	1.772								▲/▲
P													•
M													•
K													•
S													•
N													•
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

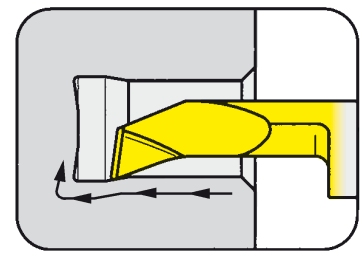
Carbide grades

State R or L version

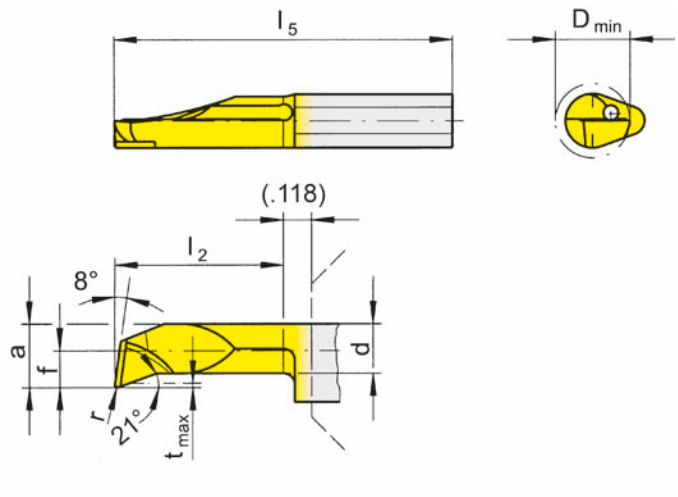
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .157″

INSERT Type **105**



Bore Ø from .157″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

extended chip breaker (geometry HV)

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1819.04.1.HV4	.075	.146	.114	.394	.984	.012	**.157**	.016					▲/▲
R/L105.1819.04.2.HV4				.591	1.181								▲/▲
R/L105.1819.04.3.HV4				.787	1.378								▲/▲
R/L105.1823.04.1.HV5	.091	.185	.157	.394	.984	.020	**.197**	.016					▲/▲
R/L105.1823.04.2.HV5				.591	1.181								▲/▲
R/L105.1823.04.3.HV5				.787	1.378								▲/▲
R/L105.1823.04.4.HV5				.984	1.575								▲/▲
R/L105.1823.04.5.HV5				1.181	1.772								▲/▲
R/L105.1833.04.2.HV6	.130	.224	.185	.591	1.181	.020	**.236**	.016					▲/▲
R/L105.1833.04.3.HV6				.787	1.378								▲/▲
R/L105.1833.04.4.HV6				.984	1.575								▲/▲
R/L105.1833.04.5.HV6				1.181	1.772								▲/▲
R/L105.1840.04.2.HV7	.157	.252	.205	.591	1.181	.020	**.268**	.016					▲/▲
R/L105.1840.04.3.HV7				.787	1.378								▲/▲
R/L105.1840.04.4.HV7				.984	1.575								▲/▲
R/L105.1840.04.5.HV7				1.181	1.772								▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P					•
M					•
K					•
S					•
N					•
H					

Dimensions in inch

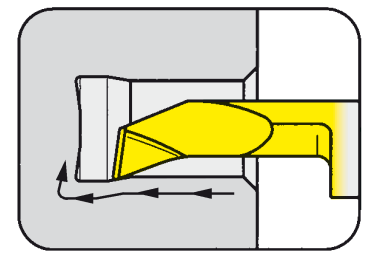
Carbide grades

State R or L version

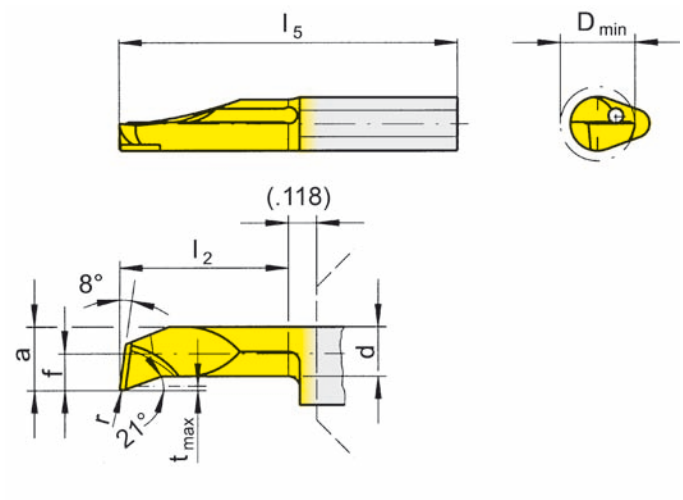
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .157″

INSERT Type **105**



Bore Ø from .157″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

with chip breaker (geometry H)

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1819.1.H4	.075	.146	.114	.394	.984	.012	**.157**	.008				▲/▲	Δ/Δ
R/L105.1819.2.H4				.591	1.181							▲/▲	Δ/Δ
R/L105.1819.3.H4				.787	1.378							▲/▲	Δ/Δ
R/L105.1823.1.H5	.091	.185	.157	.394	.984	.020	**.197**	.008				▲/▲	Δ/Δ
R/L105.1823.2.H5				.591	1.181							▲/▲	Δ/Δ
R/L105.1823.3.H5				.787	1.378							▲/▲	Δ/Δ
R/L105.1823.4.H5				.984	1.575							▲/▲	Δ/Δ
R/L105.1823.5.H5				1.181	1.772							▲/▲	Δ/Δ
R/L105.1833.2.H6	.130	.224	.185	.591	1.181	.020	**.236**	.008				▲/▲	Δ/Δ
R/L105.1833.3.H6				.787	1.378							▲/▲	Δ/Δ
R/L105.1833.4.H6				.984	1.575							▲/▲	Δ/Δ
R/L105.1833.5.H6				1.181	1.772							▲/▲	Δ/Δ
R/L105.1840.3.H7	.157	.252	.205	.787	1.378	.020	**.268**	.008				▲/▲	Δ/Δ
R/L105.1840.4.H7				.984	1.575							▲/▲	Δ/Δ
R/L105.1840.5.H7				1.181	1.772							▲/▲	Δ/Δ

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P				•	•
M				•	•
K				•	•
S				•	•
N				•	•
H					

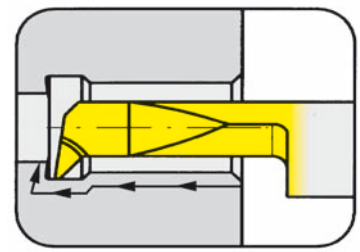
Carbide grades

Dimensions in inch

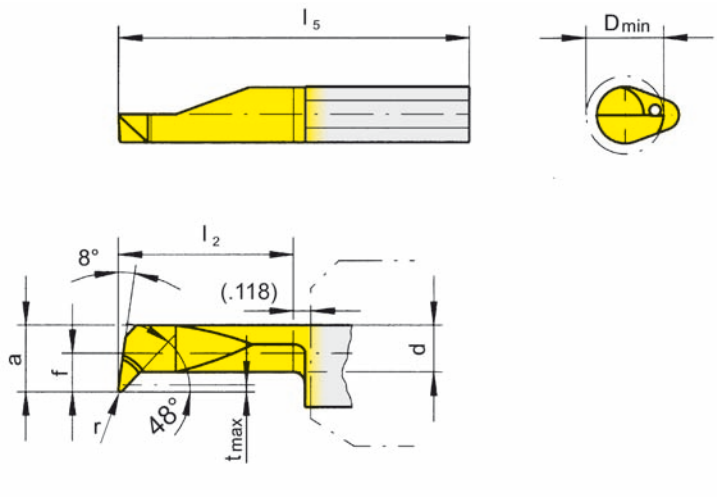
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

INSERT Type 105



Bore Ø from .157″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.4719.1.4 **R/L105.4719.3.4**	.075	.146	.114	.394 .787	.984 1.378	.024 .012	**.157**	.006		▲/▲ ▲/▲	▲/▲ ▲/▲		▲/▲ ▲/▲
R/L105.4723.2.5 **R/L105.4723.4.5**	.091	.185	.146	.591 .984	1.181 1.575	.031 .020	**.197**	.006		▲/▲ ▲/▲	▲/▲ ▲/▲		▲/▲ ▲/▲
R/L105.4733.3.6 **R/L105.4733.5.6**	.130	.224	.146	.787 1.181	1.378 1.772	.071	**.236**	.006		▲/▲ ▲/▲	Δ/ Δ/		▲/▲ ▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•	•		•
M		•	•		•
K		•	•		•
S		•	•		•
N		•	•		•
H					

Dimensions in inch

Carbide grades

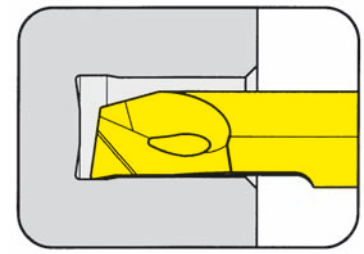
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

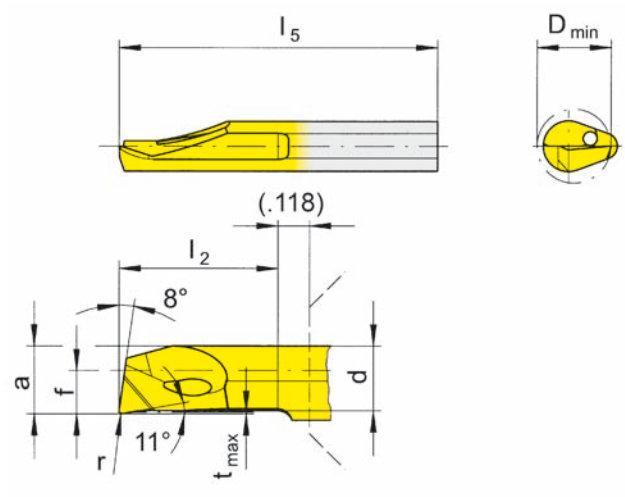
BORING and PROFILING ≥ Ø .157″

INSERT Type

105
reinforced version



Bore Ø from .157″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1019.005.1.4	.059	.146	.134	.394	.984	.006	**.157**	.002					▲/▲
R/L105.1019.005.2.4				.591	1.181								▲/▲
R/L105.1019.005.3.4				.787	1.378								▲/▲
R/L105.1019.005.4.4				.984	1.575								▲/▲
R/L105.1019.1.4	.059	.146	.134	.394	.984	.006	**.157**	.008					▲/▲
R/L105.1019.2.4				.591	1.181								▲/▲
R/L105.1019.3.4				.787	1.378								▲/▲
R/L105.1019.4.4				.984	1.575								▲/▲
P													•
M													•
K													•
S													•
N													•
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

State R or L version

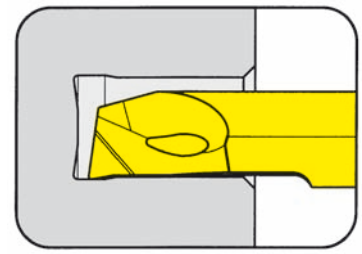
Carbide grades

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

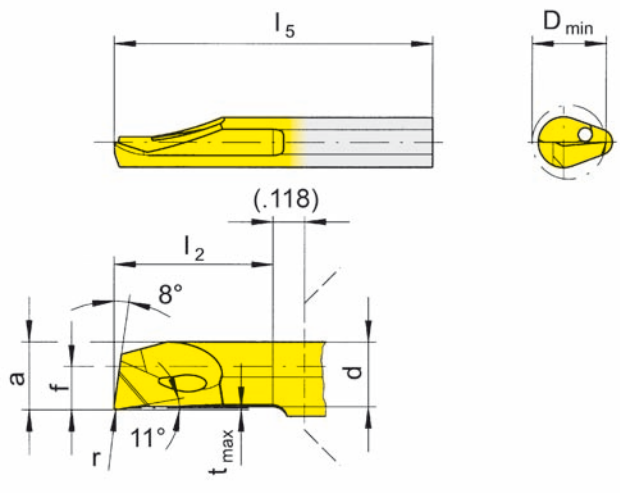
BORING and PROFILING ≥ Ø .197″

INSERT Type

105
reinforced version



Bore Ø from .197″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1023.005.1.5	.110	.185	.173	.394	.984	.006	**.197**	.002					▲/▲
R/L105.1023.005.2.5				.591	1.181								▲/▲
R/L105.1023.005.3.5				.787	1.378								▲/▲
R/L105.1023.005.4.5				.984	1.575								▲/▲
R/L105.1023.005.5.5				1.181	1.772								▲/▲
R/L105.1023.005.6.5				1.378	1.969								▲/▲
R/L105.1023.1.5	.110	.185	.173	.394	.984	.006	**.197**	.008					▲/▲
R/L105.1023.2.5				.591	1.181								▲/▲
R/L105.1023.3.5				.787	1.378								▲/▲
R/L105.1023.4.5				.984	1.575								▲/▲
R/L105.1023.5.5				1.181	1.772								▲/▲
R/L105.1023.6.5				1.378	1.969								▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P						•
M						•
K						•
S						•
N						•
H						

Dimensions in inch

Carbide grades

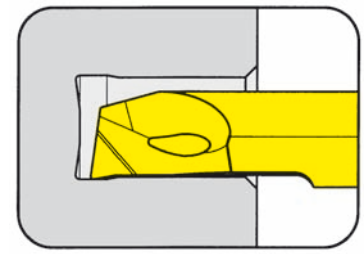
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

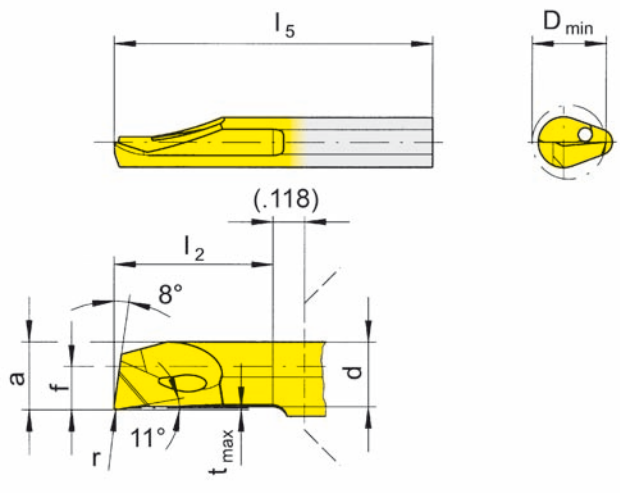
BORING and PROFILING ≥ Ø .236″

INSERT Type

105
reinforced version



Bore Ø from	.236″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown

L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1033.005.1.6	.130	.224	.213	.394	.984	.006	**.236**	.002					▲/▲
R/L105.1033.005.2.6				.591	1.181								▲/▲
R/L105.1033.005.3.6				.787	1.378								▲/▲
R/L105.1033.005.4.6				.984	1.575								▲/▲
R/L105.1033.005.5.6				1.181	1.772								▲/▲
R/L105.1033.005.6.6				1.378	1.969								▲/▲
R/L105.1033.1.6	.130	.224	.213	.394	.984	.006	**.236**	.008					▲/▲
R/L105.1033.2.6				.591	1.181								▲/▲
R/L105.1033.3.6				.787	1.378								▲/▲
R/L105.1033.4.6				.984	1.575								▲/▲
R/L105.1033.5.6				1.181	1.772								▲/▲
R/L105.1033.6.6				1.378	1.969								▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P						•
M						•
K						•
S						•
N						•
H						

Dimensions in inch

Carbide grades

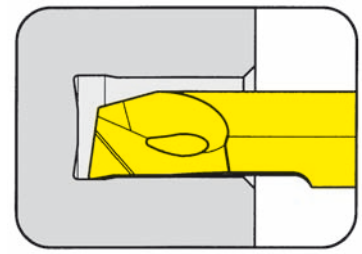
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

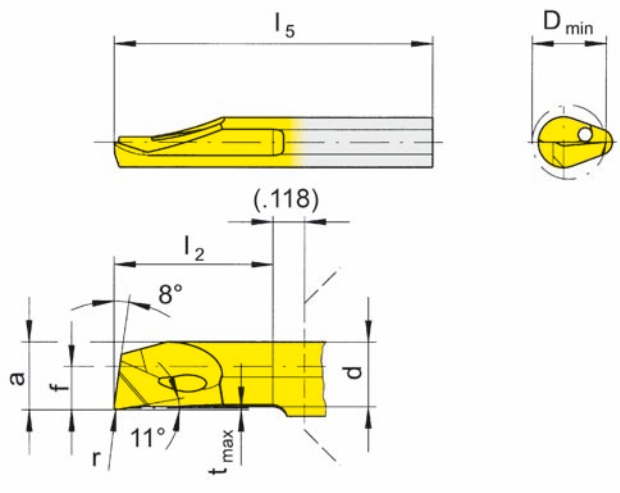
BORING and PROFILING ≥ Ø .268″

INSERT Type

105
reinforced version



Bore Ø from	.268″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown

L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.1040.1.7	.157	.252	.240	.394	.984	.006	**.268**	.008					▲/▲
R/L105.1040.2.7				.591	1.181								▲/▲
R/L105.1040.3.7				.787	1.378								▲/▲
R/L105.1040.4.7				.984	1.575								▲/▲
R/L105.1040.5.7				1.181	1.772								▲/▲
R/L105.1040.6.7				1.378	1.969								▲/▲
P													•
M													•
K													•
S													•
N													•
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

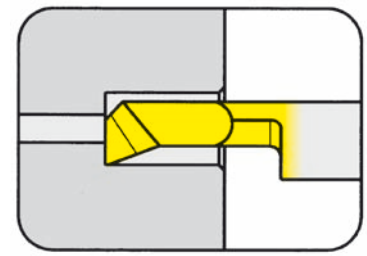
Carbide grades

State R or L version

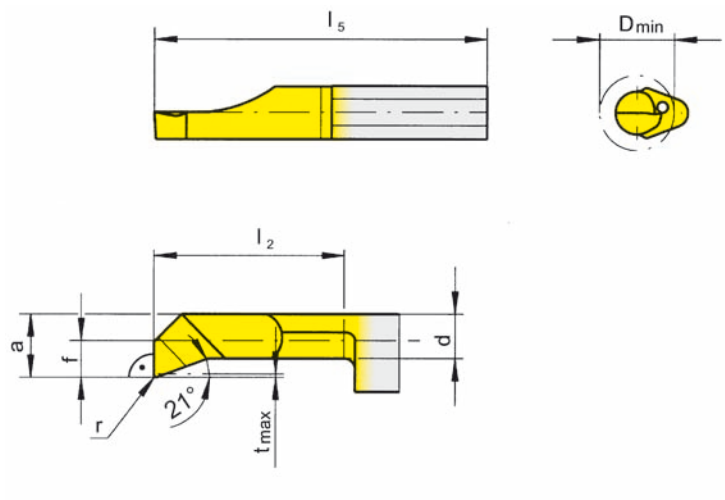
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .118″

INSERT Type **105**



Bore Ø from	.118″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.9013.01.1.3	.051	.102	.091	.394	.984	.006	**.118**	.004					▲/Δ
R/L105.9013.01.2.3				.591	1.181			.004					▲/Δ
R/L105.9013.1.3				.394	.984			.008		▲/▲			
R/L105.9013.2.3				.591	1.181			.008		▲/▲			
R/L105.9019.01.1.4	.075	.146	.114	.394	.984	.012	**.157**	.004					▲/Δ
R/L105.9019.01.2.4				.591	1.181			.004					▲/Δ
R/L105.9019.01.3.4				.787	1.378			.004					Δ/Δ
R/L105.9019.1.4				.394	.984			.008		▲/▲			
R/L105.9019.2.4				.591	1.181			.008		▲/▲			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P		•			•
M		•			•
K		•			•
S		•			•
N		•			•
H					

Dimensions in inch

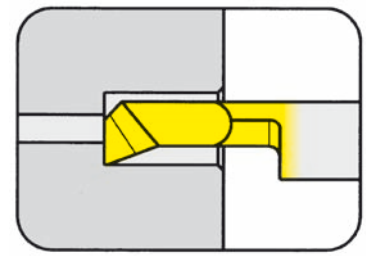
Carbide grades

State R or L version

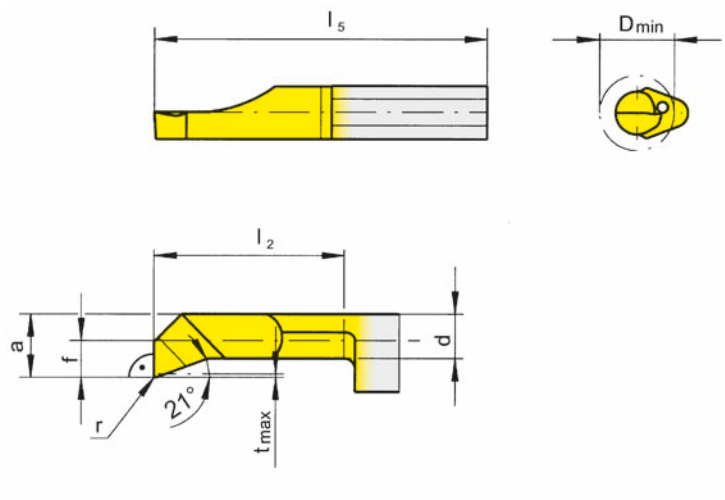
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING and PROFILING ≥ Ø .197″

INSERT Type **105**



Bore Ø from .197″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.9023.01.1.5				.394	.984			.004					▲/Δ
R/L105.9023.01.2.5				.591	1.181			.004					▲/Δ
R/L105.9023.01.3.5				.787	1.378			.004					▲/Δ
R/L105.9023.01.4.5	.091	.185	.157	.984	1.575	.020	**.197**	.004					▲/
R/L105.9023.1.5				.394	.984			.008		▲/▲			▲/
R/L105.9023.2.5				.591	1.181			.008		▲/▲			
R/L105.9023.3.5				.787	1.378			.008		▲/▲			
R/L105.9033.1.6				.394	.984								Δ/
R/L105.9033.2.6				.591	1.181								Δ/Δ
R/L105.9033.3.6	.130	.224	.185	.787	1.378	.020	**.236**	.008					Δ/Δ
R/L105.9033.4.6				.984	1.575								Δ/Δ
R/L105.9033.5.6				1.181	1.772								Δ/Δ

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•			•
M		•			•
K		•			•
S		•			•
N		•			•
H					

Dimensions in inch

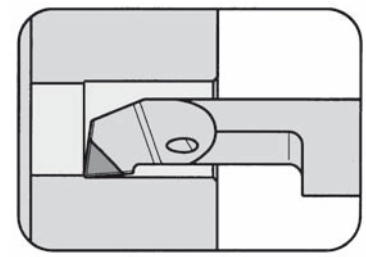
Carbide grades

State R or L version

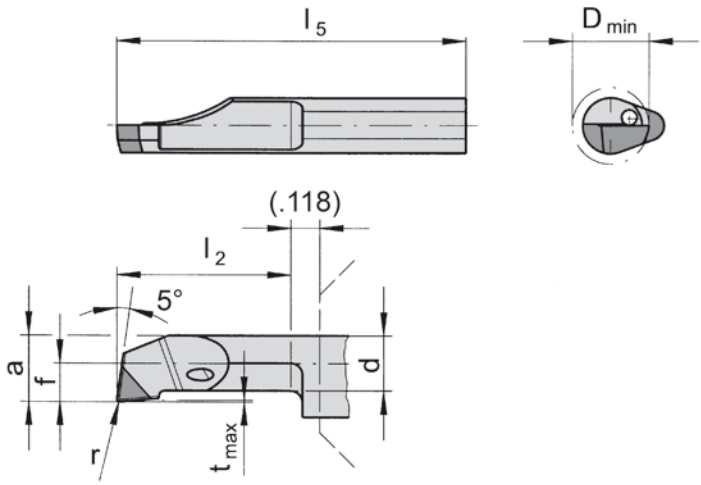
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

HARD BORING

INSERT Type 105



Bore Ø from .118″



R = right hand version shown

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

CBN tipped

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	CB10
R105.0513.0.3.B	.051	.106	.098	.276	.984	.004	**.118**	.006	▲
R105.0519.1.4.B	.059	.146	.134	.394	.984	.004	**.157**	.008	▲
R105.0523.2.5.B	.091	.185	.173	.591	1.181	.004	**.197**	.008	▲
R105.0533.2.6.B **R105.0533.3.6.B**	.130	.224	.209	.591 .787	1.181 1.378	.006	**.236**	.008	▲ Δ
R105.0540.2.7.B	.157	.252	.236	.591	1.181	.006	**.268**	.008	▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P	
M	
K	
S	
N	
H	•

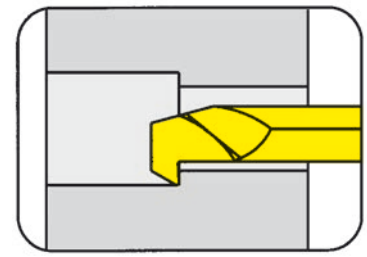
Dimensions in inch

Carbide grades

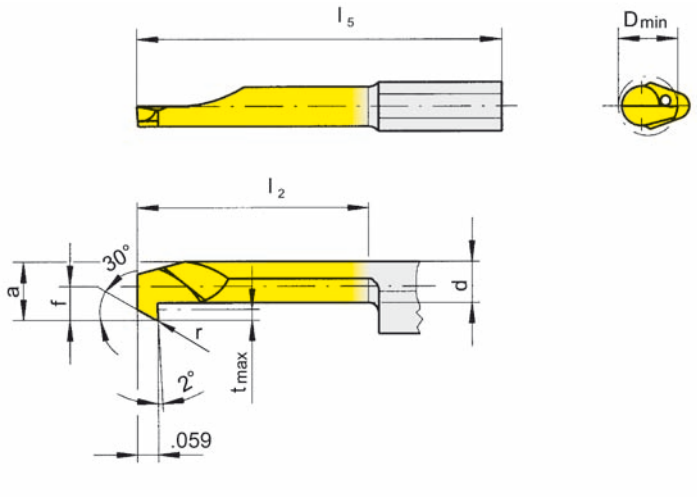
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BACKBORING (internal)

INSERT Type 105



Bore Ø from	.118″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.3013.2.3 **R/L105.3013.3.3**	.051	.102	.075	.591 .787	1.181 1.378	.020	**.118**	.004			▲/▲ ▲/Δ		
R/L105.3019.2.4 **R/L105.3019.4.4**	.075	.146	.106	.591 .984	1.181 1.575	.031	**.157**	.006			▲/▲ ▲/Δ		
R/L105.3023.3.5 **R/L105.3023.5.5**	.091	.185	.138	.787 1.181	1.378 1.772	.039	**.197**	.008			▲/▲ ▲/Δ		
R/L105.3033.3.6 **R/L105.3033.5.6**	.130	.224	.146	.787 1.181	1.378 1.772	.071	**.236**	.008			▲/▲ ▲/Δ		
R/L105.3040.3.7 **R/L105.3040.5.7**	.157	.252	.146	.787 1.181	1.378 1.772	.098	**.268**	.008			▲/▲ ▲/▲		

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P			•		
M			•		
K			•		
S			•		
N			•		
H					

Dimensions in inch

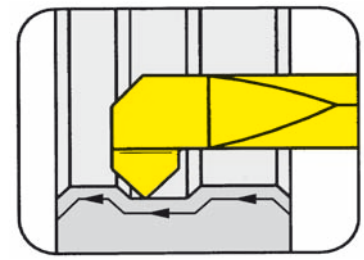
Carbide grades

State R or L version

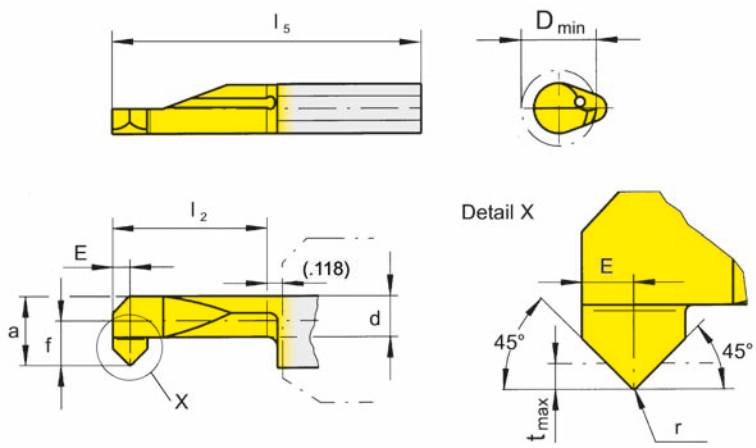
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

BORING, PROFILING and CHAMFERING

INSERT Type 105



Bore Ø from .197″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	E	f	a	d	l_2	l_5	t_{max}	D_{min}	r
R/L105.4545.2.5	.039	.091	.185	.138	.591	1.181	.028	**.197**	.008
R/L105.4545.3.7	.039	.157	.252	.185	.787	1.378	.028	**.276**	.008

	MG12	TN35	TI25	TF45	TH35
		▲/▲			
		▲/▲			
P		•			
M		•			
K		•			
S		•			
N		•			
H					

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

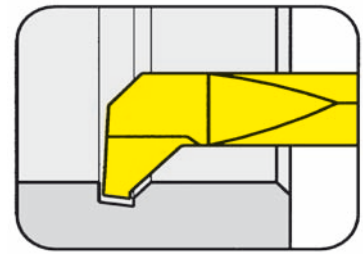
Dimensions in inch

Carbide grades

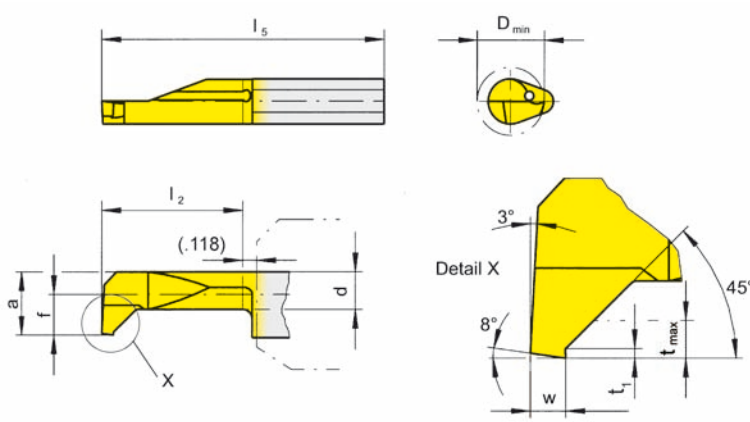
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

INSERT Type 105



Bore Ø from	.197″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown

L = left hand version

Part number	w	f	a	d	l_2	l_5	t_1	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0810.2.5	.039	.091	.185	.138	.591	1.181	.008	.028	**.197**	▲/▲	▲/▲			
R/L105.0810.3.5					.787	1.378					▲/▲	▲/Δ		
R/L105.0810.4.5					.984	1.575					▲/▲	▲/Δ		

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•	•		
M	•	•	•		
K	•	•	•		
S	•	•	•		
N	•	•	•		
H					

Dimensions in inch

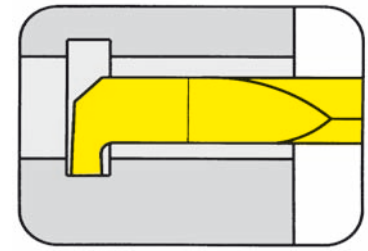
Carbide grades

State R or L version

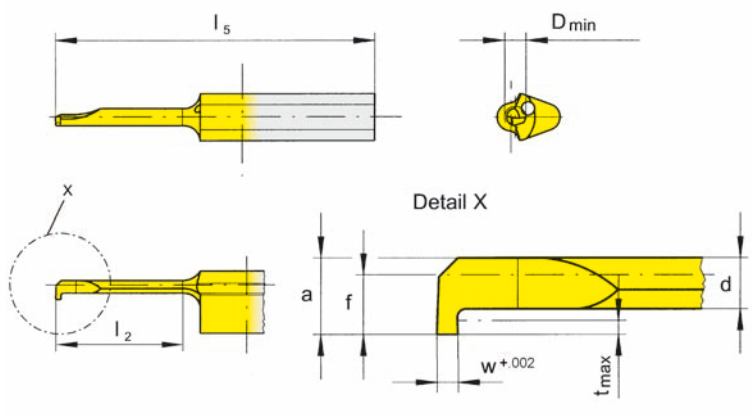
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .079″

INSERT Type **105**



Bore Ø from	.079″
Depth of groove up to	.016″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0050.0.2	.020	.055	.071	.047	.236	.984	.016	**.079**			▲/▲		
R/L105.0050.1.2					.354	.984					▲/▲		
R/L105.0050.2.2					.472	1.181					▲/Δ		

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P			•			
M			•			
K			•			
S			•			
N			•			
H						

Dimensions in inch

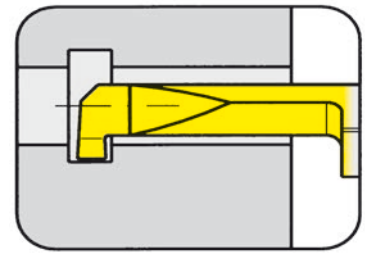
Carbide grades

State R or L version

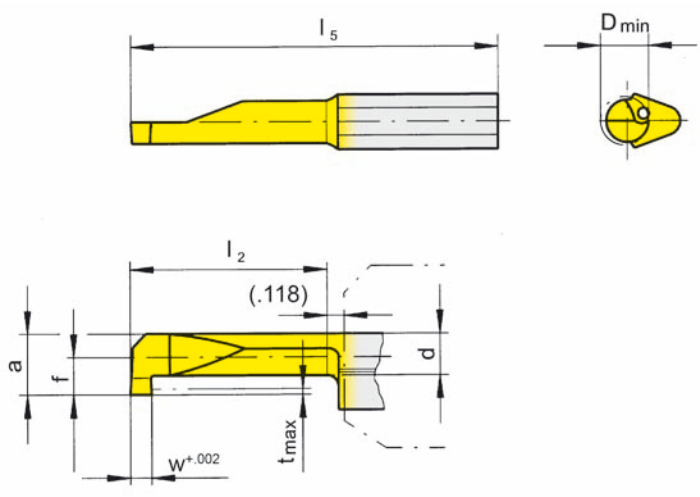
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .118″

INSERT Type **105**



Bore Ø from	.118″
Depth of groove up to	.024″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0070.1.3	.028	.055	.106	.075	.315	.984	.024	**.118**			▲/▲		
R/L105.0070.2.3					.472	1.181					▲/▲		
R/L105.0070.3.3					.630	1.378					▲/▲		
P											•		
M											•		
K											•		
S											•		
N											•		
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

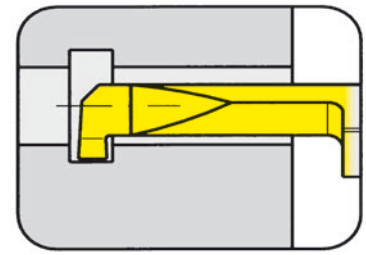
Carbide grades

State R or L version

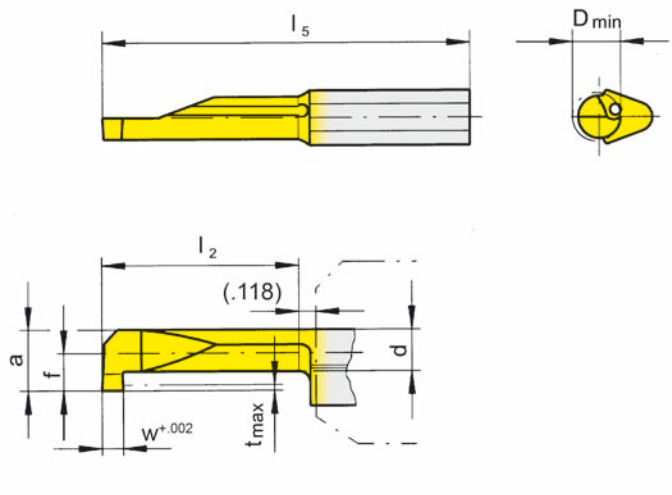
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .157″

INSERT Type **105**



Bore Ø from	.157″
Depth of groove up to	.031″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0100.1.4	.039	.075	.146	.106	.394	.984	.031	**.157**	▲/▲	▲/▲			
R/L105.0100.2.4					.591	1.181			▲/▲	▲/▲			
R/L105.0100.3.4					.787	1.378			▲/Δ	▲/▲			
P									o	•			
M									•	•			
K									•	•			
S									•	•			
N									•	•			
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

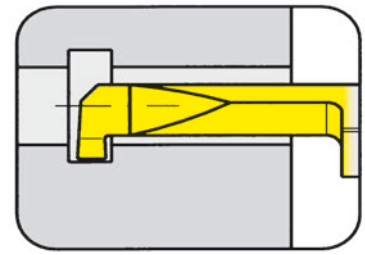
Carbide grades

State R or L version

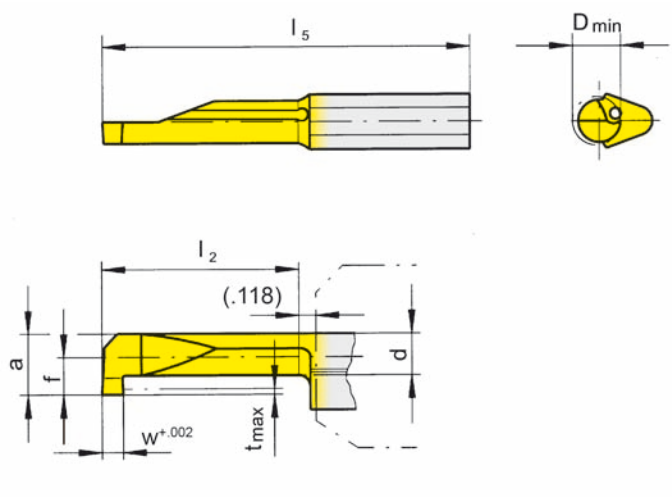
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .157″

INSERT Type **U105**



Bore Ø from	.157″
Depth of groove up to	.031″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/LU105.0031.1.4	.031	.075	.146	.106	.394	.984	.031	**.157**		▲/▲			
R/LU105.0031.2.4					.591	1.181			▲/	▲/▲			▲/
R/LU105.0031.3.4					.787	1.378				▲/▲			▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•			•
M	•	•			•
K	•	•			•
S	•	•			•
N	•	•			•
H					

Dimensions in inch

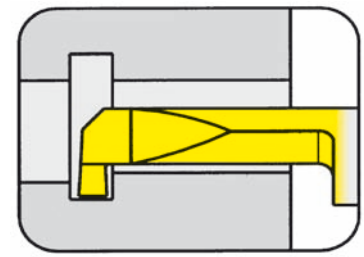
Carbide grades

State R or L version

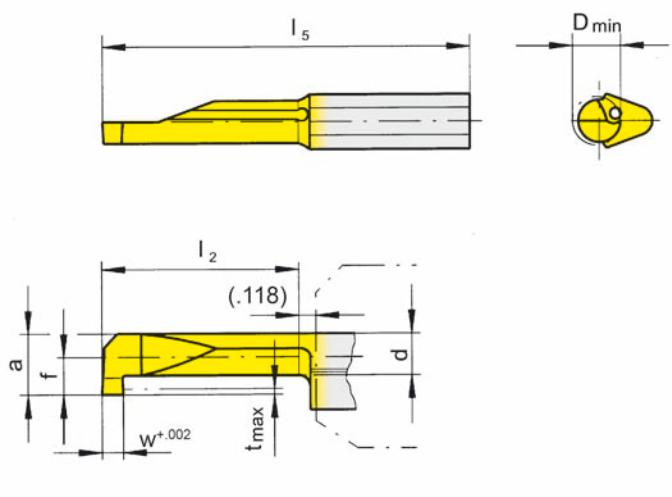
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .197″

INSERT Type 105



Bore Ø from	.197″
Depth of groove up to	.039″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0100.1.5	.039								▲/▲	▲/▲			▲/▲
R/L105.0150.1.5	.059	.091	.185	.138	.394	.984	.039	**.197**	▲/Δ	▲/▲			▲/▲
R/L105.0200.1.5	.079								▲/Δ	▲/▲			▲/▲
R/L105.0100.2.5	.039								▲/▲	▲/▲			▲/▲
R/L105.0150.2.5	.059	.091	.185	.138	.591	1.181	.039	**.197**	▲/▲	▲/▲			▲/▲
R/L105.0200.2.5	.079								▲/Δ	▲/▲			▲/▲
R/L105.0100.3.5	.039								▲/Δ	▲/▲			▲/▲
R/L105.0150.3.5	.059	.091	.185	.138	.787	1.378	.039	**.197**	▲/Δ	▲/▲			▲/▲
R/L105.0200.3.5	.079								Δ/	▲/▲			▲/▲
R/L105.0100.4.5	.039									▲/Δ			▲/▲
R/L105.0150.4.5	.059	.091	.185	.138	.984	1.575	.039	**.197**		▲/▲			▲/▲
R/L105.0200.4.5	.079									▲/▲			▲/▲
R/L105.0100.5.5	.039									▲/▲			▲/▲
R/L105.0150.5.5	.059	.091	.185	.138	1.181	1.772	.039	**.197**		▲/▲			▲/▲
R/L105.0200.5.5	.079									▲/Δ			▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•			•
M	•	•			•
K	•	•			•
S	•	•			•
N	•	•			•
H					

Carbide grades

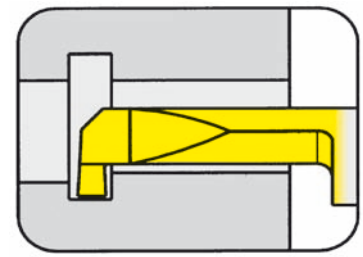
Dimensions in inch

State R or L version

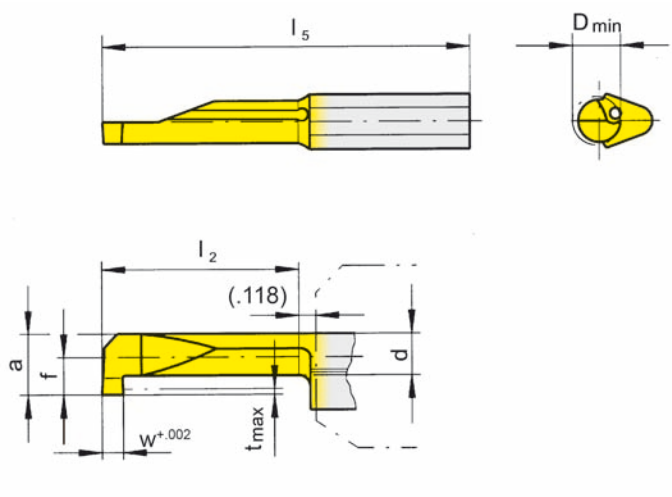
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .197″

INSERT Type **U105**



Bore Ø from	.197″
Depth of groove up to	.039″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/LU105.0031.1.5	.031	.091	.185	.138	.394	.984	.039	**.197**		▲/▲			▲/
R/LU105.0046.1.5	.046									▲/▲	Δ/		▲/
R/LU105.0062.1.5	.062									▲/▲			▲/
R/LU105.0078.1.5	.078									▲/▲			▲/
R/LU105.0031.2.5	.031	.091	.185	.138	.591	1.181	.039	**.197**		▲/▲			▲/
R/LU105.0046.2.5	.046									▲/▲			▲/
R/LU105.0062.2.5	.062									▲/▲			▲/
R/LU105.0078.2.5	.078									▲/▲			▲/
R/LU105.0031.3.5	.031	.091	.185	.138	.787	1.378	.039	**.197**		▲/▲			▲/
R/LU105.0046.3.5	.046									▲/▲			▲/
R/LU105.0062.3.5	.062									▲/▲			▲/
R/LU105.0078.3.5	.078									▲/▲			▲/
R/LU105.0031.4.5	.031	.091	.185	.138	.984	1.575	.039	**.197**		▲/▲			▲/
R/LU105.0046.4.5	.046									▲/▲			▲/
R/LU105.0062.4.5	.062									▲/▲			▲/
R/LU105.0078.4.5	.078									▲/▲			▲/
R/LU105.0031.5.5	.031	.091	.185	.138	1.181	1.772	.039	**.197**		▲/▲			▲/
R/LU105.0046.5.5	.046									▲/▲			▲/
R/LU105.0062.5.5	.062									▲/▲			▲/
R/LU105.0078.5.5	.078									▲/▲			▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

State R or L version

P		•	•		•
M		•	•		•
K		•	•		•
S		•	•		•
N		•	•		•
H					

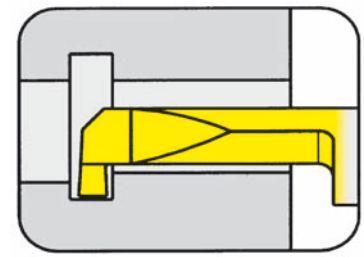
Dimensions in inch

Carbide grades

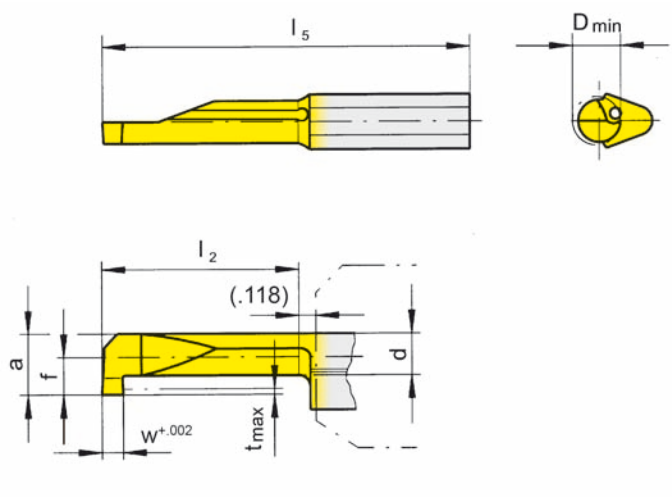
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .236″

INSERT Type **105**



Bore Ø from	.236″
Depth of groove up to	.071″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0100.1.6	.039	.130	.224	.146	.394	.984	.071	**.236**	▲/▲	▲/▲			▲/▲
R/L105.0150.1.6	.059								▲/▲	▲/▲			▲/▲
R/L105.0200.1.6	.079								▲/Δ	▲/▲			▲/▲
R/L105.0100.2.6	.039	.130	.224	.146	.591	1.181	.071	**.236**	▲/Δ	▲/▲			▲/▲
R/L105.0150.2.6	.059								▲/▲	▲/▲			▲/▲
R/L105.0200.2.6	.079								▲/▲	▲/▲			▲/▲
R/L105.0100.3.6	.039	.130	.224	.146	.787	1.378	.071	**.236**	▲/▲	▲/▲			▲/▲
R/L105.0150.3.6	.059								▲/▲	▲/▲			▲/▲
R/L105.0200.3.6	.079								▲/Δ	▲/▲			▲/▲
R/L105.0100.4.6	.039	.130	.224	.146	.984	1.575	.071	**.236**		▲/Δ			▲/▲
R/L105.0150.4.6	.059									▲/▲			▲/▲
R/L105.0200.4.6	.079									▲/▲			▲/▲
R/L105.0100.5.6	.039	.130	.224	.146	1.181	1.772	.071	**.236**		▲/Δ			▲/▲
R/L105.0150.5.6	.059									▲/Δ			▲/▲
R/L105.0200.5.6	.079									▲/▲			/▲
P									o	•			•
M									•	•			•
K									•	•			•
S									•	•			•
N									•	•			•
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

State R or L version

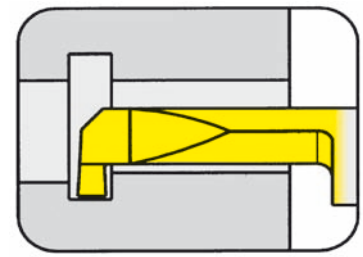
Carbide grades

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

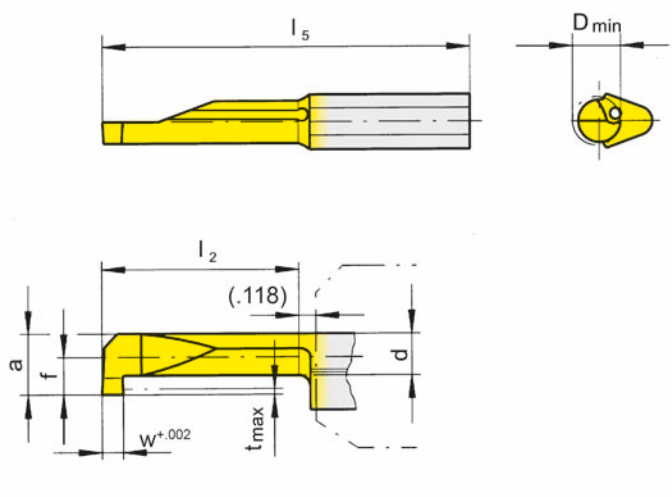
GROOVING (internal) ≥ Ø .236″

INSERT Type

U105



Bore Ø from	.236″
Depth of groove up to	.071″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/LU105.0031.1.6	.031	.130	.224	.146	.394	.984	.071	**.236**	▲/	▲/▲			▲/
R/LU105.0046.1.6	.046									▲/▲			▲/
R/LU105.0062.1.6	.062									▲/▲			▲/
R/LU105.0078.1.6	.078								▲/	▲/▲			▲/
R/LU105.0031.2.6	.031	.130	.224	.146	.591	1.181	.071	**.236**		▲/▲			▲/
R/LU105.0046.2.6	.046									▲/▲			▲/
R/LU105.0062.2.6	.062									▲/▲			▲/
R/LU105.0078.2.6	.078								▲/	▲/▲			▲/
R/LU105.0031.3.6	.031	.130	.224	.146	.787	1.378	.071	**.236**	▲/	▲/▲			▲/
R/LU105.0046.3.6	.046									▲/▲			▲/
R/LU105.0062.3.6	.062								▲/	▲/▲			▲/
R/LU105.0078.3.6	.078									▲/▲			▲/
R/LU105.0031.4.6	.031	.130	.224	.146	.984	1.575	.071	**.236**	▲/	▲/▲	Δ/		▲/
R/LU105.0046.4.6	.046									▲/▲			▲/
R/LU105.0062.4.6	.062									▲/▲	Δ/		▲/
R/LU105.0078.4.6	.078									▲/▲			▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•	•		•
M	•	•	•		•
K	•	•	•		•
S	•	•	•		•
N	•	•	•		•
H					

Dimensions in inch

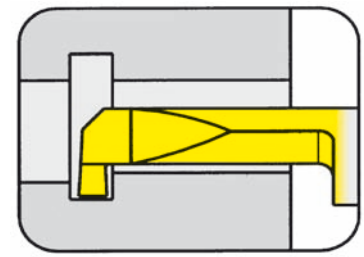
Carbide grades

State R or L version

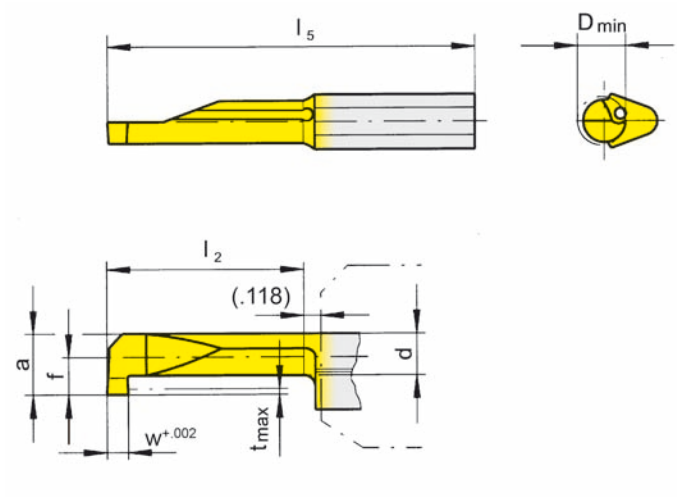
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .268″

INSERT Type **105**



Bore Ø from	.268″
Depth of groove up to	.098″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0100.1.7	.039	.157	.252	.146	.394	.984	.098	**.268**	▲/▲	▲/▲			▲/▲
R/L105.0150.1.7	.059								▲/▲	▲/▲			▲/▲
R/L105.0200.1.7	.079								▲/▲	▲/▲			▲/▲
R/L105.0100.2.7	.039	.157	.252	.146	.591	1.181	.098	**.268**	▲/▲	▲/▲			▲/▲
R/L105.0150.2.7	.059								▲/▲	▲/▲			▲/▲
R/L105.0200.2.7	.079								▲/▲	▲/▲			▲/▲
R/L105.0100.3.7	.039	.157	.252	.146	.787	1.378	.098	**.268**	▲/▲	▲/▲			▲/▲
R/L105.0150.3.7	.059								▲/▲	▲/▲			▲/▲
R/L105.0200.3.7	.079								▲/▲	▲/▲			▲/▲
R/L105.0100.4.7	.039	.157	.252	.146	.984	1.575	.098	**.268**		▲/Δ			▲/▲
R/L105.0150.4.7	.059									▲/▲			▲/▲
R/L105.0200.4.7	.079									▲/▲			▲/▲
R/L105.0100.5.7	.039	.157	.252	.146	1.181	1.772	.098	**.268**		▲/▲			▲/▲
R/L105.0150.5.7	.059									▲/▲			▲/▲
R/L105.0200.5.7	.079									▲/▲			▲/▲

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•			•
M	•	•			•
K	•	•			•
S	•	•			•
N	•	•			•
H					

Carbide grades

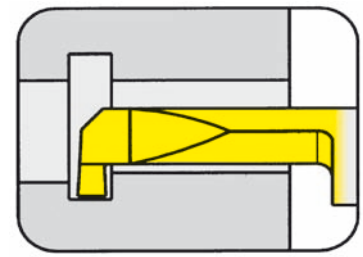
Dimensions in inch

State R or L version

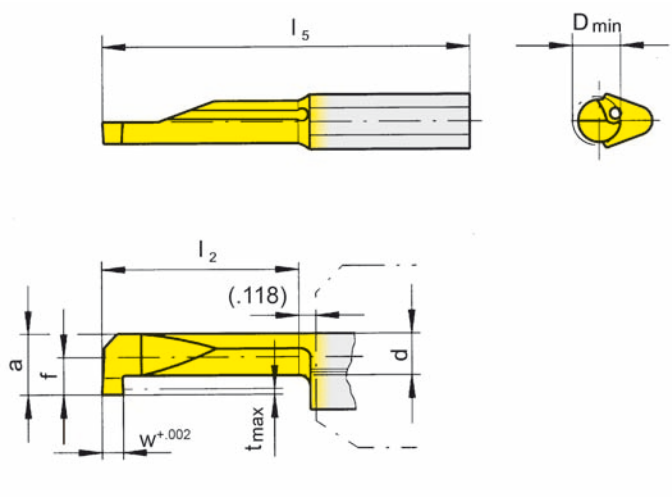
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

INSERT Type

U105



Bore Ø from	.268″
Depth of groove up to	.098″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	MG12	TN35	TI25	TF45	TH35
R/LU105.0031.1.7	.031	.157	.252	.146	.394	.984	.098	**.268**	▲/	▲/▲			▲/
R/LU105.0046.1.7	.046									▲/▲	Δ/		▲/
R/LU105.0062.1.7	.062									▲/▲			▲/
R/LU105.0078.1.7	.078								▲/	▲/▲			▲/
R/LU105.0031.2.7	.031	.157	.252	.146	.591	1.181	.098	**.268**	▲/	▲/▲			▲/
R/LU105.0046.2.7	.046									▲/▲			▲/
R/LU105.0062.2.7	.062									▲/▲			▲/
R/LU105.0078.2.7	.078								▲/	▲/▲			▲/
R/LU105.0031.3.7	.031	.157	.252	.146	.787	1.378	.098	**.268**	▲/	▲/▲			▲/
R/LU105.0046.3.7	.046									▲/▲			▲/
R/LU105.0062.3.7	.062								▲/	▲/▲			▲/
R/LU105.0078.3.7	.078									▲/▲			▲/
R/LU105.0031.4.7	.031	.157	.252	.146	.984	1.575	.098	**.268**		▲/▲			▲/
R/LU105.0046.4.7	.046									▲/Δ			▲/
R/LU105.0062.4.7	.062									▲/▲			▲/
R/LU105.0078.4.7	.078									▲/▲			▲/
R/LU105.0031.5.7	.031	.157	.252	.146	1.181	1.772	.098	**.268**		▲/			▲/
R/LU105.0046.5.7	.046									▲/▲			▲/
R/LU105.0062.5.7	.062									▲/▲			▲/
R/LU105.0078.5.7	.078									Δ/Δ			▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

State R or L version

	MG12	TN35	TI25	TF45	TH35
P	o	•	•		•
M	•	•	•		•
K	•	•	•		•
S	•	•	•		•
N	•	•	•		•
H					

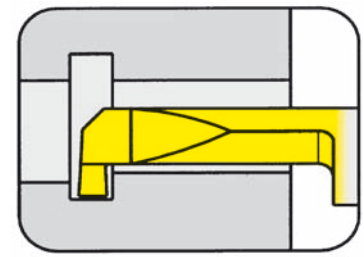
Dimensions in inch

Carbide grades

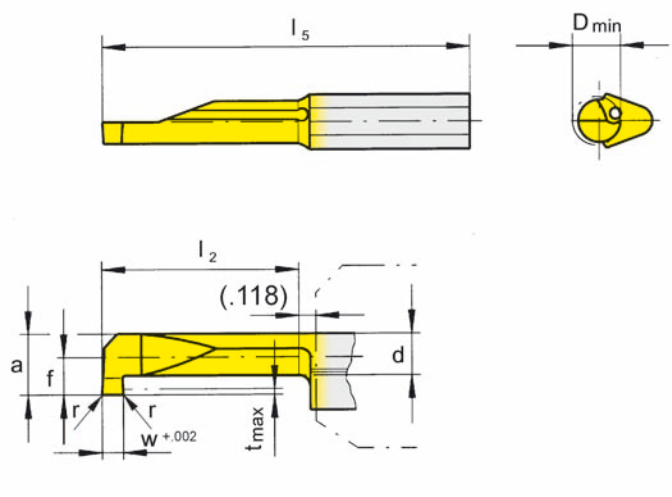
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .197″

INSERT Type **U105**



Bore Ø from	.197″
Depth of groove up to	.039″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

with corner radius

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/LU105.4604.1.5	.046	.091	.185	.138	.394	.984	.039	**.197**	.004		▲/			▲/
R/LU105.6204.1.5	.062										▲/			▲/
R/LU105.7804.1.5	.078										Δ/			Δ/
R/LU105.4604.3.5	.046	.091	.185	.138	.787	1.378	.039	**.197**	.004		▲/▲			▲/
R/LU105.6204.3.5	.062										▲/			▲/
R/LU105.7804.3.5	.078										▲/			Δ/
R/LU105.4604.5.5	.046	.091	.185	.138	1.181	1.772	.039	**.197**	.004					▲/
R/LU105.6204.5.5	.062										▲/			▲/
R/LU105.7804.5.5	.078										▲/			Δ/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•			•
M		•			•
K		•			•
S		•			•
N		•			•
H					

Carbide grades

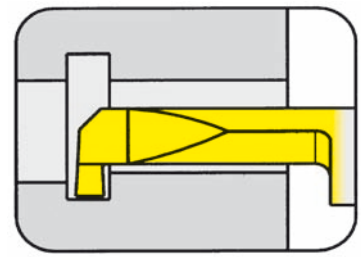
Dimensions in inch

State R or L version

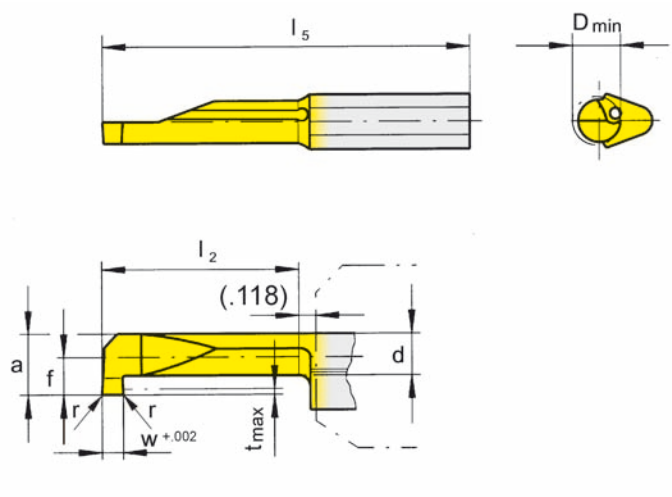
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .236″

INSERT Type **U105**



Bore Ø from	.236″
Depth of groove up to	.071″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

with corner radius

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/LU105.4604.1.6	.046	.130	.224	.146	.394	.984	.071	**.236**	.004		▲/▲			▲/
R/LU105.6204.1.6	.062										▲/			▲/
R/LU105.7804.1.6	.078										▲/			▲/
R/LU105.4604.3.6	.046	.130	.224	.146	.787	1.378	.071	**.236**	.004		▲/			▲/
R/LU105.6204.3.6	.062										▲/			▲/
R/LU105.7804.3.6	.078										▲/Δ			▲/
R/LU105.4604.5.6	.046	.130	.224	.146	1.181	1.772	.071	**.236**	.004		▲/			▲/
R/LU105.6204.5.6	.062								.004		▲/			▲/
R/LU105.7804.5.6	.078								.004					▲/
R/LU105.7808.5.6	.078								.008		▲/			▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•			•
M		•			•
K		•			•
S		•			•
N		•			•
H					

Dimensions in inch

Carbide grades

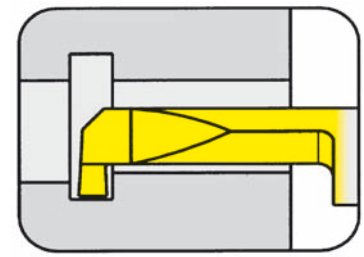
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

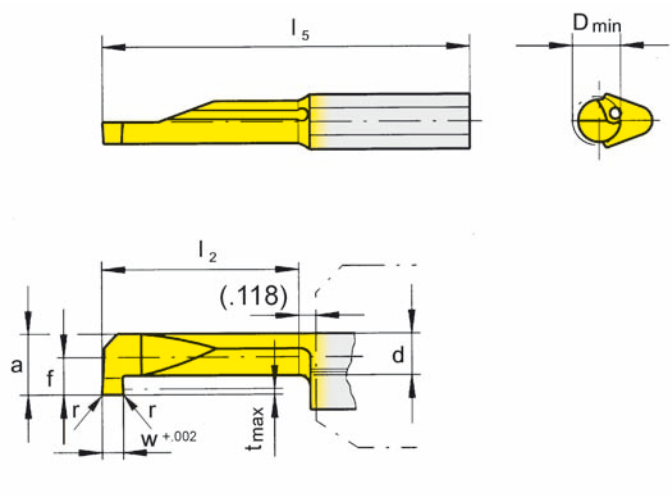
GROOVING (internal) ≥ Ø .268″

INSERT Type

U105



Bore Ø from	.268″
Depth of groove up to	.098″



R = right hand version shown

L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

with corner radius

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	r		MG12	TN35	TI25	TH35
R/LU105.4604.1.7	.046	.157	.252	.146	.394	.984	.098	**.268**	.004			Δ/		▲/
R/LU105.4608.1.7	.046								.008			▲/		▲/
R/LU105.6204.1.7	.062								.004			▲/Δ		▲/
R/LU105.6208.1.7	.062								.008			▲/		▲/
R/LU105.4604.2.7	.046	.157	.252	.146	.591	1.181	.098	**.268**	.004			▲/		▲/
R/LU105.4608.2.7	.046								.008			▲/		▲/
R/LU105.6204.2.7	.062								.004			▲/		▲/
R/LU105.6208.2.7	.062								.008			▲/		▲/
R/LU105.4604.3.7	.046	.157	.252	.146	.787	1.378	.098	**.268**	.004		Δ/	▲/▲		▲/
R/LU105.4608.3.7	.046								.008			▲/		▲/
R/LU105.6204.3.7	.062								.004		▲/	▲/		▲/
R/LU105.6208.3.7	.062								.008			▲/		▲/
R/LU105.4604.4.7	.046	.157	.252	.146	.984	1.575	.098	**.268**	.004			▲/		▲/
R/LU105.4608.4.7	.046								.008			▲/		▲/
R/LU105.6204.4.7	.062								.004			▲/		▲/
R/LU105.6208.4.7	.062								.008			▲/		▲/
R/LU105.4604.5.7	.046	.157	.252	.146	1.181	1.772	.098	**.268**	.004			▲/		▲/
R/LU105.4608.5.7	.046								.008			▲/		▲/
R/LU105.6204.5.7	.062								.004			▲/		▲/
R/LU105.6208.5.7	.062								.008			▲/		▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

State R or L version

	MG12	TN35	TI25	TH35
P	o	•		•
M	•	•		•
K	•	•		•
S	•	•		•
N	•	•		•
H				

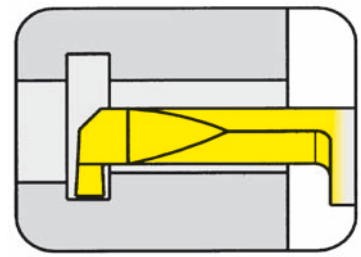
Carbide grades

Dimensions in inch

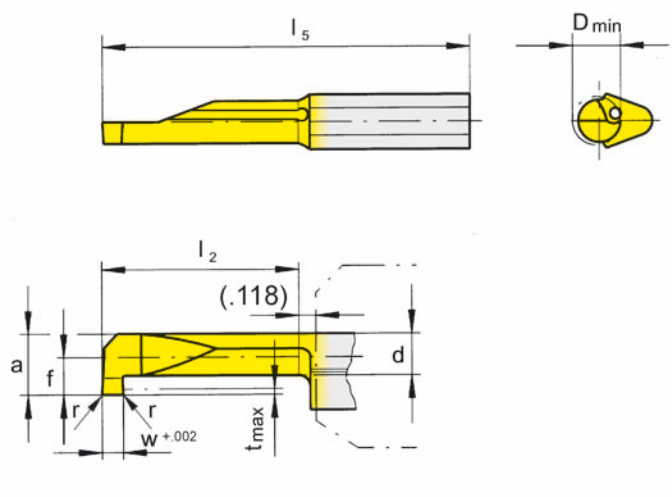
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .268″

INSERT Type **U105**



Bore Ø from	.268″
Depth of groove up to	.098″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

with corner radius

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/LU105.7804.1.7	.078	.157	.252	.146	.394	.984	.098	**.268**	.004		▲/			▲/
R/LU105.7808.1.7									.008		▲/			▲/
R/LU105.7804.2.7	.078	.157	.252	.146	.591	1.181	.098	**.268**	.004		▲/			▲/
R/LU105.7808.2.7									.008		▲/			▲/
R/LU105.7804.3.7	.078	.157	.252	.146	.787	1.378	.098	**.268**	.004		▲/▲			▲/
R/LU105.7808.3.7									.008		▲/			▲/
R/LU105.7804.4.7	.078	.157	.252	.146	.984	1.575	.098	**.268**	.004		▲/			▲/
R/LU105.7808.4.7									.008		▲/			▲/
R/LU105.7804.5.7	.078	.157	.252	.146	1.181	1.772	.098	**.268**	.004		▲/			▲/
R/LU105.7808.5.7									.008		▲/			▲/
P											•			•
M											•			•
K											•			•
S											•			•
N											•			•
H														

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

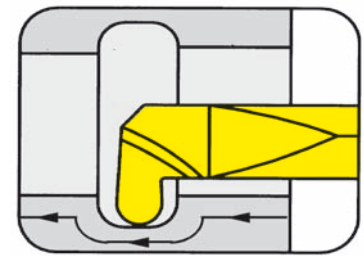
Carbide grades

State R or L version

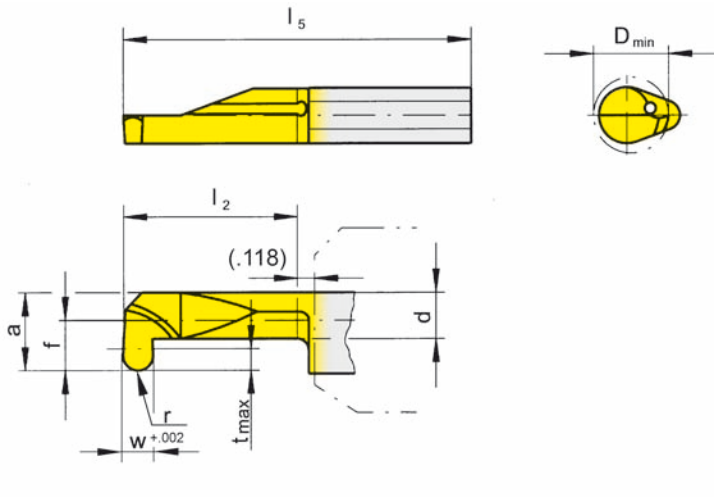
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

GROOVING (internal) ≥ Ø .157″

INSERT Type **105**



Bore Ø from	.157″
Full radius	r .020 - .039″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Full radius

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/L105.0005.2.4	.039	.075	.146	.106	.591	1.181	.031	**.157**	.020		▲/▲			
R/L105.0005.3.5	.039	.091	.185	.138	.787	1.378	.039	**.197**	.020		▲/▲			
R/L105.0007.3.5	.059								.030		▲/▲			
R/L105.0010.3.5	.079								.039		▲/▲			
R/L105.0005.4.6	.039	.130	.224	.146	.984	1.575	.071	**.236**	.020		▲/▲			
R/L105.0007.4.6	.059								.030		▲/▲			
R/L105.0010.4.6	.079								.039		▲/▲			
R/L105.0005.5.7	.039	.157	.252	.146	1.181	1.772	.098	**.268**	.020		▲/▲			
R/L105.0007.5.7	.059								.030		▲/▲			
R/L105.0010.5.7	.079								.039		▲/▲			
P											•			
M											•			
K											•			
S											•			
N											•			
H														

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

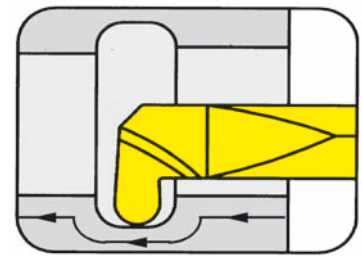
Carbide grades

State R or L version

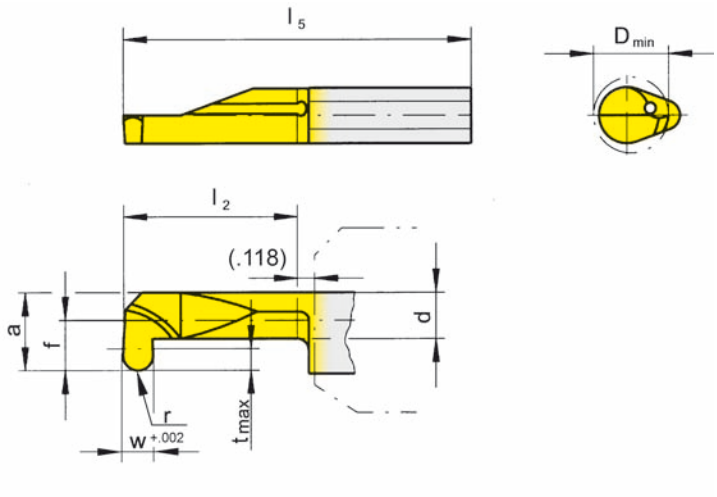
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

INSERT Type

U105



Bore Ø from	.157″
Full radius	r .023 - .039″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Full radius

Part number	w	f	a	d	l_2	l_5	t_{max}	D_{min}	r	MG12	TN35	TI25	TF45	TH35
R/LU105.2346.2.4	.046	.075	.146	.106	.591	1.181	.031	**.157**	.023		▲/			▲/
R/LU105.2346.3.5	.046								.023		▲/	Δ/		▲/
R/LU105.3162.3.5	.062	.091	.185	.138	.787	1.378	.039	**.197**	.031		▲/			▲/
R/LU105.3978.3.5	.078								.039		▲/			▲/
R/LU105.2346.4.6	.046								.023		▲/▲			▲/
R/LU105.3162.4.6	.062	.130	.224	.146	.984	1.575	.071	**.236**	.031		▲/Δ			▲/
R/LU105.3978.4.6	.078								.039		▲/			▲/
R/LU105.2346.5.7	.046								.023		▲/▲			▲/
R/LU105.3162.5.7	.062	.157	.252	.146	1.181	1.772	.098	**.268**	.031		▲/▲			▲/
R/LU105.3978.5.7	.078								.039		▲/			▲/
P											•	•		•
M											•	•		•
K											•	•		•
S											•	•		•
N											•	•		•
H														

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

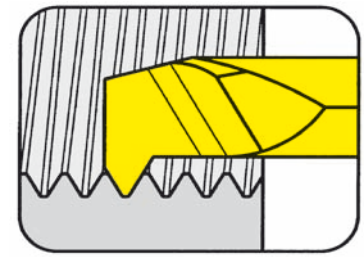
Carbide grades

State R or L version

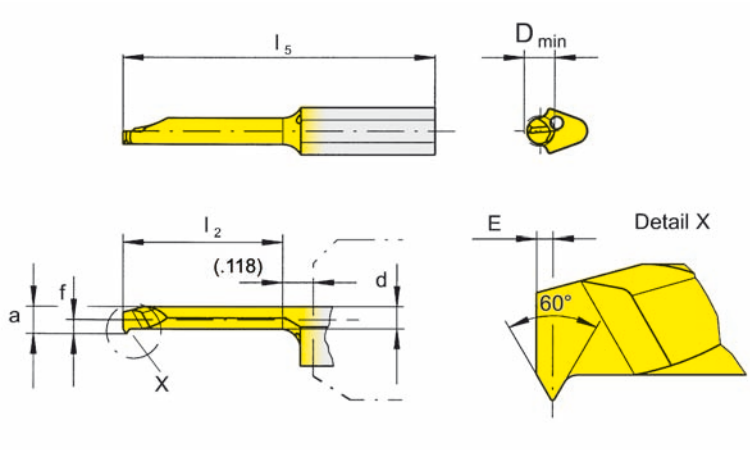
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type 105



Bore Ø from	.118″ (3.0 mm)
Pitch	P 0.25 mm



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Metric ISO thread

R = right hand version shown

L = left hand version

Part number	P	E	f	a	d	l_2	l_5	D_{min}
R/L105.0102.2.3	0.25	0.3	1.4	2.7	2.2	15	30	**3**

	MG12	TN35	TI25	TF45	TH35
		▲/Δ			
P		•			
M		•			
K		•			
S		•			
N		•			
H					

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in mm

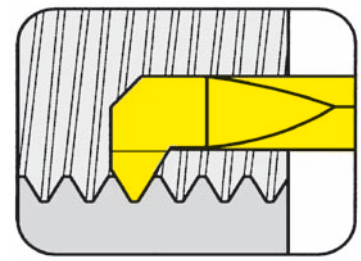
Carbide grades

State R or L version

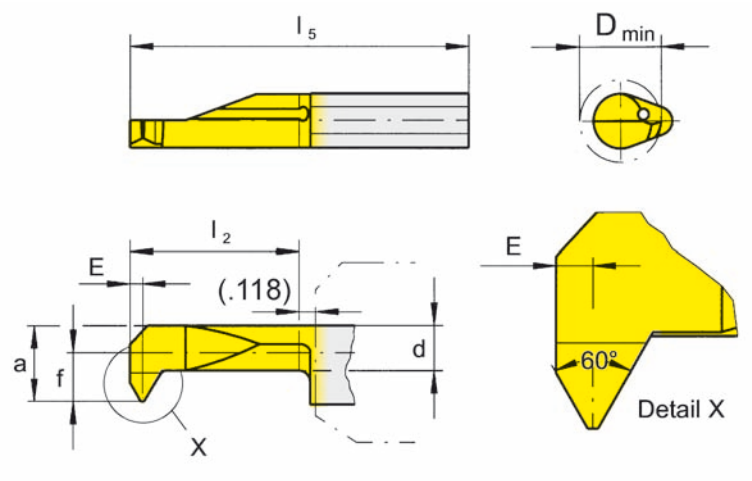
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type **105**



Bore Ø from	.118″ (3.0 mm)
Pitch	P 0.35 mm



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Metric ISO thread

R = right hand version shown L = left hand version

Part number	P	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0203.1.3	0.35	0.3	1.4	2.7	2.1	10	25	**3**		▲/▲			
R/L105.0203.2.5	0.35	0.3	2.3	4.7	3.5	15	30	**5**		▲/▲			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•				
M		•				
K		•				
S		•				
N		•				
H						

Dimensions in mm

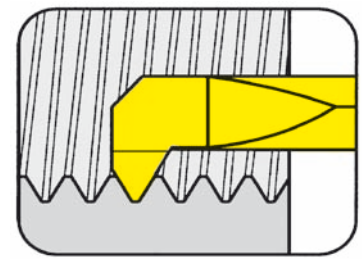
Carbide grades

State R or L version

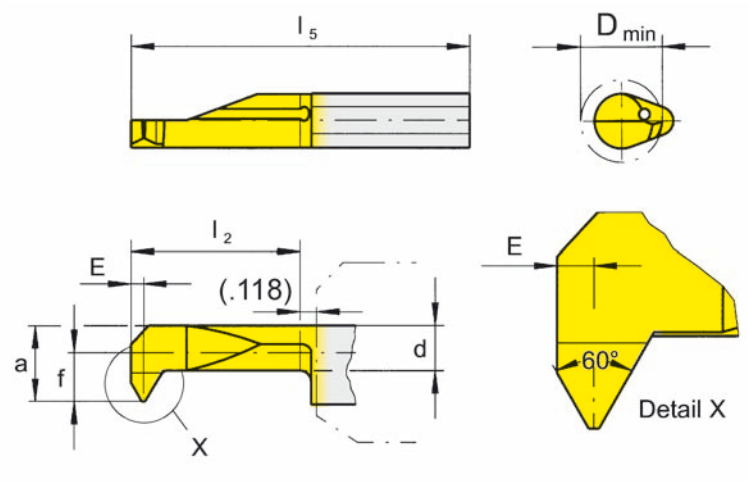
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type 105



Bore Ø from	.118″ (3.0 mm)
Pitch	P 0.50 mm



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Metric ISO thread

R = right hand version shown L = left hand version

Part number	P	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0205.2.3	0.5	0.35	1.4	2.7	2.1	15	30	**3**		▲/▲			
R/L105.0205.2.4 **R/L105.0205.3.4**	0.5	0.35	1.9	3.7	2.7	15 20	30 35	**4**		▲/▲ Δ/			▲/▲
R/L105.0205.2.5 **R/L105.0205.3.5** **R/L105.0205.4.5**	0.5	0.35	2.3	4.7	3.5	15 20 25	30 35 40	**5**	▲/▲	▲/▲ Δ/Δ ▲/			▲/▲
R/L105.0205.3.6	0.5	0.35	3.3	5.7	4.8	20	35	**6**		▲/			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•			•
M	•	•			•
K	•	•			•
S	•	•			•
N	•	•			•
H					

Carbide grades

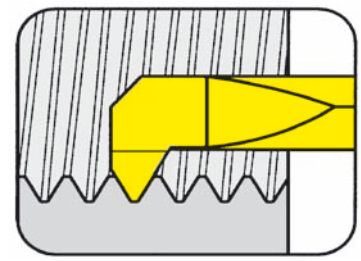
Dimensions in mm

State R or L version

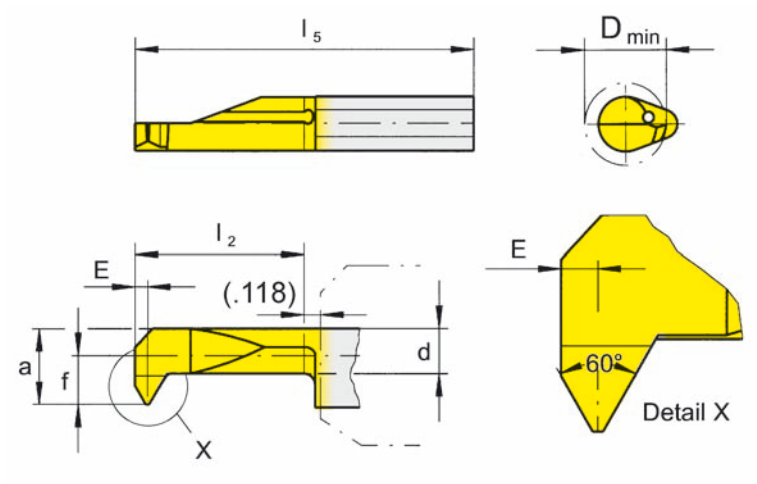
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type **105**



Bore Ø from	.118″ (3.0 mm)
Pitch	P 0.50 - 0.75 mm



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Metric ISO thread

R = right hand version shown L = left hand version

Part number	P	P_{max}	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0407.2.3	0.5	0.75	0.45	1.4	2.7	2.0	15	30	**3**		▲/			
R/L105.0407.1.4	0.5	0.75	0.45	1.9	3.7	2.7	10	25	**4**		▲/Δ			
R/L105.0407.2.4							15	30			▲/Δ			
R/L105.0407.3.4							20	35			▲/Δ			
R/L105.0407.2.5	0.5	0.75	0.45	2.3	4.7	3.5	15	30	**5**		▲/▲			▲/▲
R/L105.0407.3.5							20	35			Δ/Δ			
R/L105.0407.4.5							25	40			▲/Δ			
R/L105.0407.3.6	0.5	0.75	0.45	3.3	5.7	4.7	20	35	**6**		▲/			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•			•
M		•			•
K		•			•
S		•			•
N		•			•
H					

Dimensions in mm

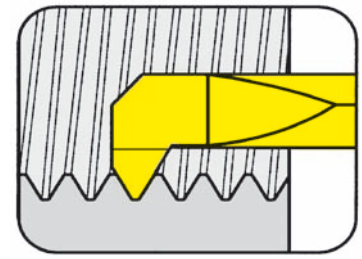
Carbide grades

State R or L version

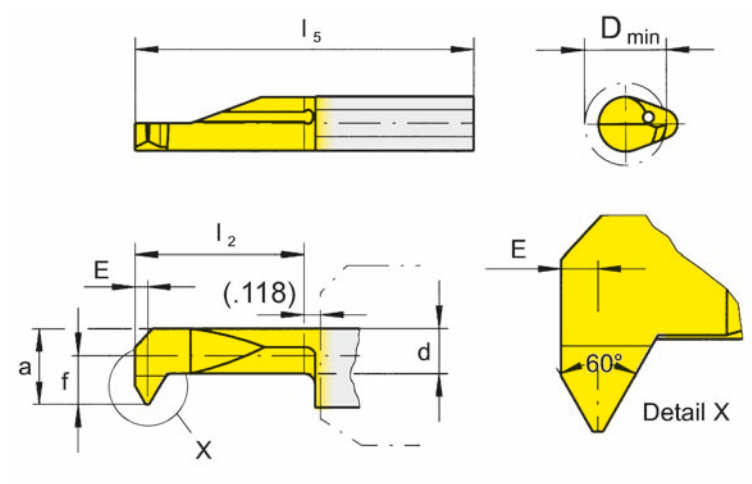
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type 105



Bore Ø from	.189″ (4.8 mm)
Pitch	P 1.00 - 1.50 mm



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Metric ISO thread

R = right hand version shown L = left hand version

Part number	P	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.0510.2.5	1.00	0.55	2.1	4.5	3.5	15	30	**4.8**	▲/Δ	▲/▲			▲/▲
R/L105.0510.3.5						20	35			▲/Δ			
R/L105.0510.4.5						25	40			▲/▲			
R/L105.0510.2.6	1.00	0.55	3.3	5.7	3.7	15	30	**6.0**		▲/▲			▲/▲
R/L105.0510.3.6	1.00	0.55				20	35			▲/Δ			
R/L105.0510.4.6	1.00	0.55				25	40			▲/Δ			
R/L105.0612.2.6	1.25	0.65				15	30		Δ/Δ	▲/▲			▲/▲
R/L105.0612.3.6	1.25	0.65				20	35			▲/Δ			
R/L105.0612.4.6	1.25	0.65				25	40			▲/Δ			
R/L105.0815.2.7	1.50	0.75	4.0	6.4	3.7	15	30	**7.0**		▲/▲			▲/▲
R/L105.0815.3.7						20	35			▲/Δ			
R/L105.0815.4.7						25	40			▲/Δ			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o	•			•
M	•	•			•
K	•	•			•
S	•	•			•
N	•	•			•
H					

Carbide grades

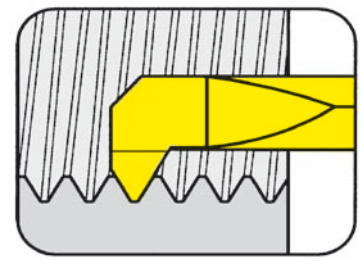
Dimensions in mm

State R or L version

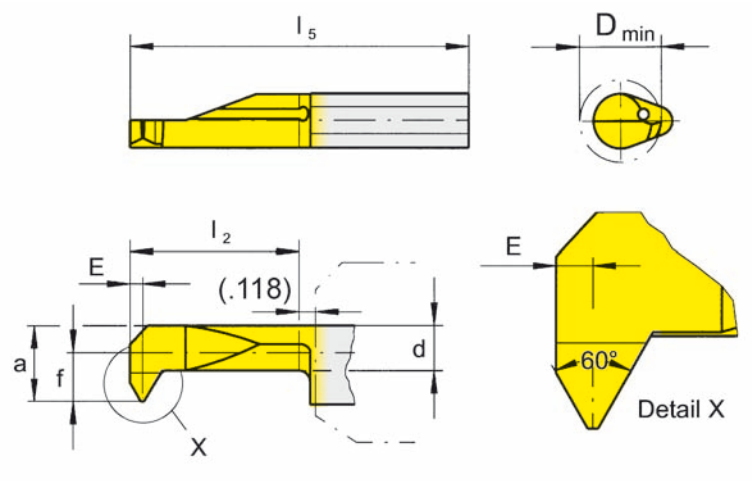
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type 105



Bore Ø from	.157″
Threads per inch	16 - 40



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Thread UN

R = right hand version shown L = left hand version

Part number	Threads per Inch	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.3240.2.4	32 - 40	.018	.075	.146	.106	.591	1.181	**.157**		▲/▲	▲/	Δ/Δ	
R/L105.2428.2.5	24 - 28	.022	.091	.185	.138	.591	1.181	**.197**		▲/▲	▲/		
R/L105.3240.2.5	32 - 40	.018								▲/Δ	▲/	▲/Δ	
R/L105.1620.2.5	16 - 20	.028	.130	.224	.146	.591	1.181	**.197**					▲/▲
R/L105.1620.3.5						.787	1.378						▲/▲
R/L105.1620.2.6	16 - 20	.028	.130	.224	.146	.591	1.181	**.236**		▲/▲			
R/L105.1620.3.6						.787	1.378			Δ/			
R/L105.1620.4.6						.984	1.575			Δ/			
R/L105.2428.2.6	24 - 28	.022	.130	.224	.146	.591	1.181	**.236**		▲/▲	▲/		
R/L105.2428.3.6						.787	1.378			Δ/			
R/L105.2428.4.6						.984	1.575			▲/▲			

P	•	•	•	•	
M	•	•	•	•	
K	•	•	•	•	
S	•	•	•	•	
N	•	•	•	•	
H					

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

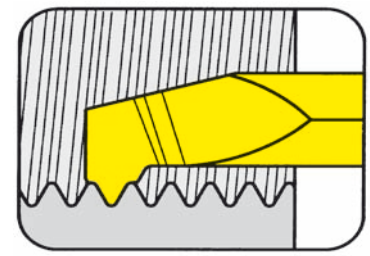
Carbide grades

State R or L version

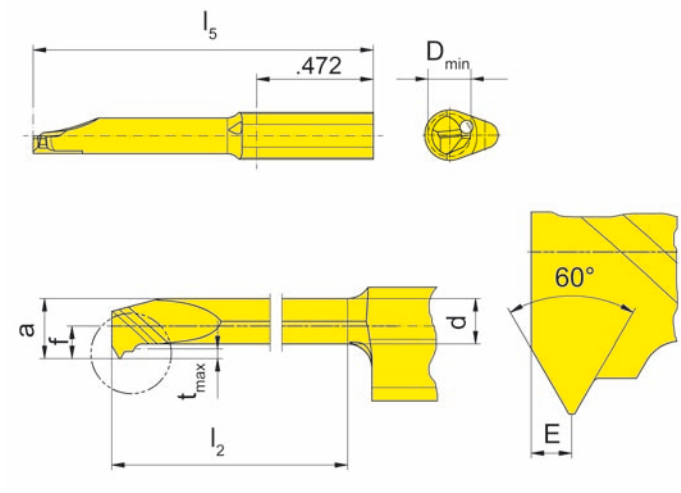
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Full profile

INSERT Type 105



Bore Ø from	.094″ (2.4 mm)
Pitch	P 0.50 - 1.25 mm



R = right hand version shown

L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Metric ISO thread

Part number	P	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.VPM3.2.3	0.50	0.3	1.4	2.2	1.65	9	25	**2.4**					▲/▲
R/L105.VPM3.4.3						12	35						▲/▲
R/L105.VPM4.2.4	0.70	0.4	1.5	2.9	2.10	15	30	**3.2**					▲/▲
R/L105.VPM4.3.4						20	35						▲/▲
R/L105.VPM5.2.5	0.80	0.5	2.0	3.7	2.80	15	30	**4.1**					▲/▲
R/L105.VPM5.4.5						25	40						▲/▲
R/L105.VPM6.3.6	1.00	0.5	2.4	4.5	3.40	20	35	**4.9**					▲/▲
R/L105.VPM6.4.6						25	40						Δ/Δ
R/L105.VPM6.5.6						30	45						▲/▲
R/L105.VPM8.3.8	1.25	0.7	3.8	6.2	4.70	20	35	**6.6**					▲/▲
R/L105.VPM8.5.8						30	45						▲/▲
P													•
M													•
K													•
S													•
N													•
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in mm

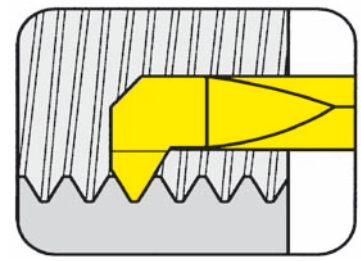
Carbide grades

State R or L version

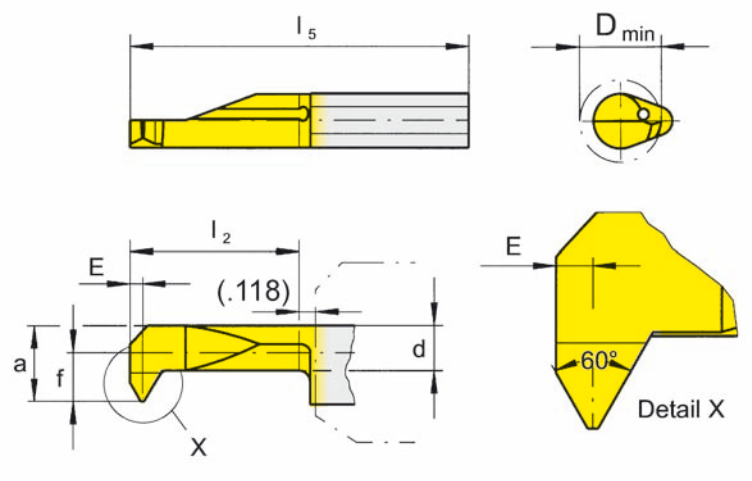
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type **105**



Bore Ø from	.236″
Threads per inch	18 - 27



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Thread NPT

R = right hand version shown L = left hand version

Part number	Threads per Inch	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.NP18.2.6	18	.039	.130	.224	.146	.591	1.181	**.236**		▲/▲			
R/L105.NP18.3.6	18	.039				.787	1.378			Δ/Δ			
R/L105.NP18.4.6	18	.039				.984	1.575			Δ/Δ			
R/L105.NP27.2.6	27	.031				.591	1.181			▲/Δ			
R/L105.NP27.3.6	27	.031				.787	1.378			Δ/Δ			
R/L105.NP27.4.6	27	.031				.984	1.575			Δ/Δ			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P		•				
M		•				
K		•				
S		•				
N		•				
H						

Dimensions in inch

Carbide grades

State R or L version

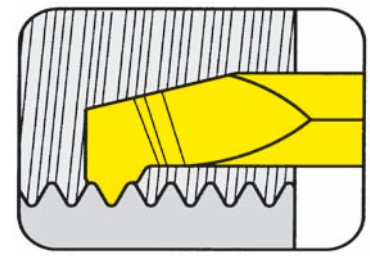
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Full profile

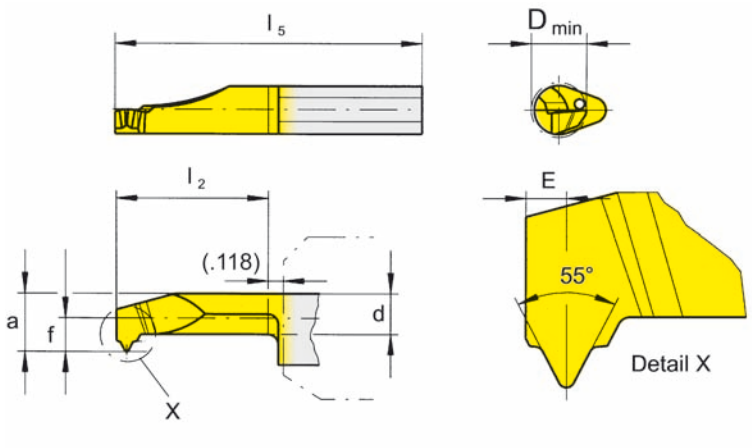
INSERT Type

105

Whitworth thread



Bore Ø from	.157″
Threads per inch	19 - 28



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown

Thread BSW/BSF

Part number	Threads per Inch	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R105.5520.2.4	20	.039	.075	.146	.098	.591	1.181	**.157**		Δ			
R105.5519.3.6	19	.039								▲			
R105.5522.3.6	22	.039								Δ			
R105.5524.3.6	24	.031	.130	.224	.146	.787	1.378	**.236**		Δ			
R105.5526.3.6	26	.031								Δ			
R105.5528.3.6	28	.031								Δ			

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	TN35
P	•
M	•
K	•
S	•
N	•
H	

Dimensions in inch

Carbide grades

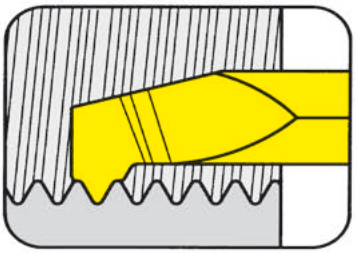
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Full profile

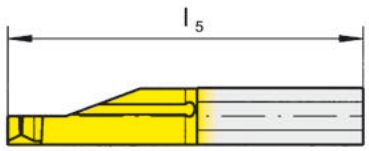
INSERT Type

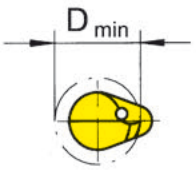
105

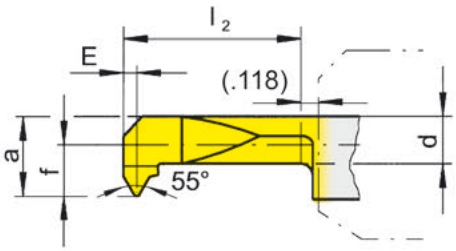
Whitworth thread



Bore Ø from	.197″
Threads per inch	19 - 28







for use with Toolholder

Type
BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Thread BSW/BSF

R = right hand version shown

L = left hand version

Part number	Threads per Inch	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/L105.5524.2.5	24	.031	.091	.185	.138	.591	1.181	**.197**		Δ/Δ			
R/L105.5526.2.5	26									▲/Δ			
R/L105.5528.2.5	28									▲/Δ			
R/L105.5524.2.6	24	.031	.130	.224	.146	.591	1.181	**.236**		▲/Δ			
R/L105.5526.2.6	26									▲/			
R/L105.5528.2.6	28									▲/Δ			
R/L105.5519.2.6	19	.039	.130	.224	.146	.591	1.181	**.236**		▲/▲			
R/L105.5520.2.6	20									▲/Δ			
R/L105.5522.2.6	22									Δ/Δ			

▲ on stock Δ 4 weeks

● main recommendation

o alternative recommendation

uncoated grades

coated grades

brazed/Cermet

	TN35
P	•
M	•
K	•
S	•
N	•
H	

Dimensions in inch

Carbide grades

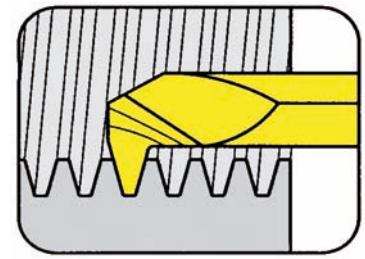
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

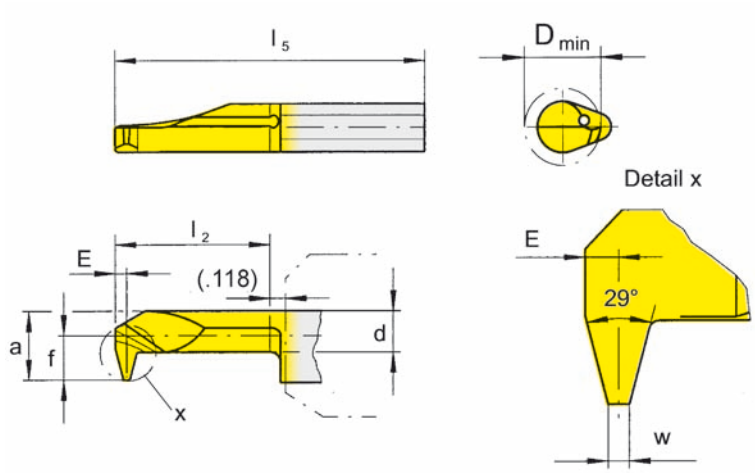
THREADING (internal) Partial profile

INSERT Type

U105



Bore Ø from	.197″
Threads per inch	10 - 16



R = right hand version shown

L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

ACME / Stub ACME thread

Part number	Threads per Inch	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/LU105.AC16.2.5	16	.028	.079	.173	.122	.591	1.181	**.197**		▲/	▲/		
R/LU105.AC16.4.5						.984	1.575			▲/			▲/
R/LU105.AC14.2.6	14	.035	.130	.224	.169	.591	1.181	**.236**		▲/			▲/
R/LU105.AC14.4.6						.984	1.575			▲/			▲/
R/LU105.AC12.3.7	12	.039	.157	.252	.189	.787	1.378	**.276**		▲/			▲/
R/LU105.AC12.5.7						1.181	1.772			▲/			▲/
R/LU105.AC10.3.7	10	.039	.157	.252	.173	.787	1.378	**.276**		▲/			▲/
P										•	•		•
M										•	•		•
K										•	•		•
S										•	•		•
N										•	•		•
H													

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

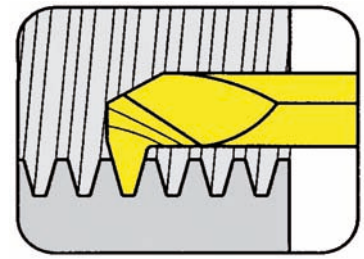
Carbide grades

State R or L version

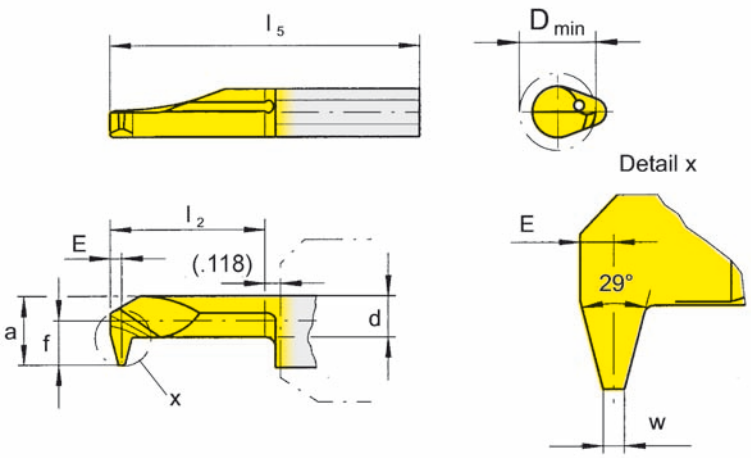
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

THREADING (internal) Partial profile

INSERT Type **U105**



Bore Ø from	.197″
Threads per inch	10 - 16



R = right hand version shown

L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

ACME / Stub ACME thread

Part number	Threads per Inch	E	f	a	d	l_2	l_5	D_{min}	MG12	TN35	TI25	TF45	TH35
R/LU105.SA16.2.5	16	.028	.091	.185	.142	.591	1.181	**.197**		▲/			▲/
R/LU105.SA16.4.5						.984	1.575			▲/			▲/
R/LU105.SA14.2.6	14	.035	.131	.224	.177	.591	1.181	**.236**		▲/			▲/
R/LU105.SA14.4.6						.984	1.575			▲/			▲/
R/LU105.SA12.3.7	12	.039	.157	.252	.201	.787	1.378	**.276**		▲/			▲/
R/LU105.SA12.5.7						1.181	1.772			▲/	Δ/		▲/
R/LU105.SA10.3.7	10	.039	.157	.252	.193	.787	1.378	**.276**		Δ/			▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P		•	•		•
M		•	•		•
K		•	•		•
S		•	•		•
N		•	•		•
H					

Dimensions in inch

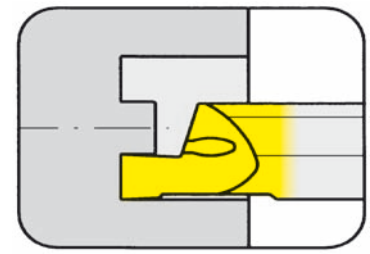
Carbide grades

State R or L version

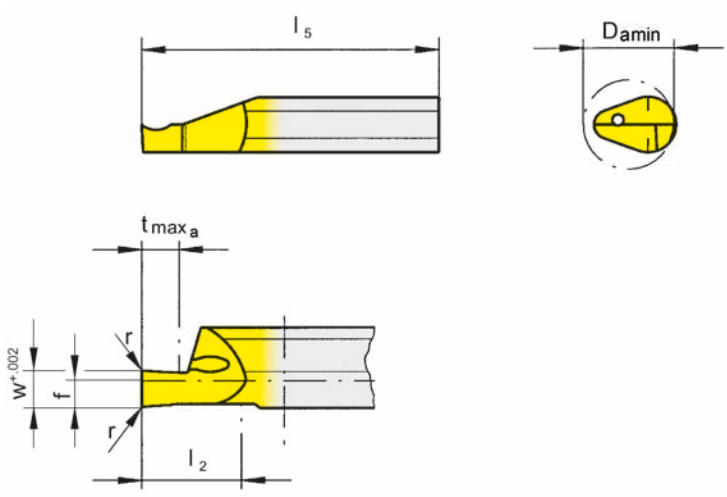
In the UNITED STATES call us toll free
1 - 888 - 818 HORN

FACE GROOVING

INSERT Type 105



from outer groove Ø	.197″
Depth of groove up to	.197″
Width of groove up to	.079″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/L105.0510.1.8	.039				.079			▲/Δ		▲/▲		
R/L105.0515.1.8	.059	.079	.394	.984	.118	**.197**	.002	▲/Δ		▲/▲		
R/L105.0520.1.8	.079				.197			▲/Δ		▲/▲		
R/L105.0510.2.8	.039				.079			Δ/Δ		▲/▲		
R/L105.0515.2.8	.059	.079	.591	1.378	.118	**.197**	.002	Δ/Δ		▲/▲		
R/L105.0520.2.8	.079				.197			▲/▲		▲/▲		

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
P	o		•		
M	•		•		
K	•		•		
S	•		•		
N	•		•		
H					

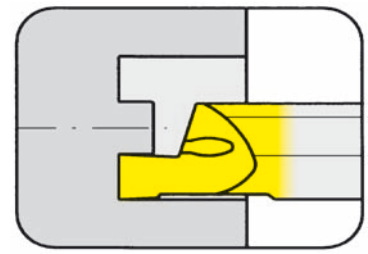
Dimensions in inch

Carbide grades

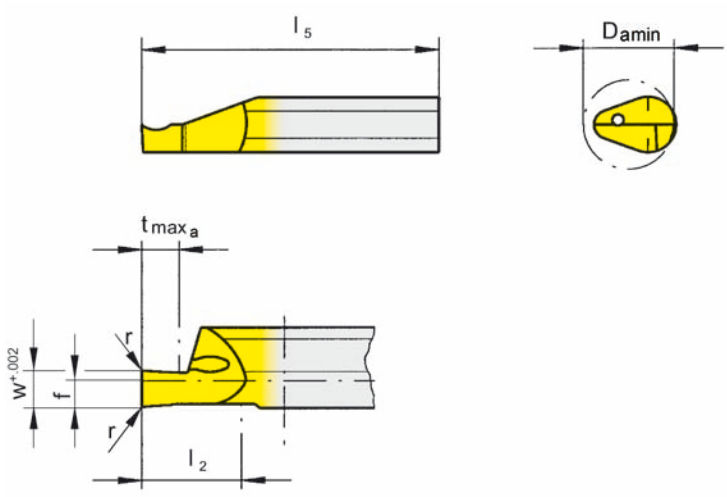
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

INSERT Type 105



from outer groove Ø	.236″
Depth of groove up to	.197″
Width of groove up to	.079″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/L105.0610.1.8	.039				.079			▲/▲		▲/▲		
R/L105.0615.1.8	.059	.079	.394	.984	.118	**.236**	.002	Δ/Δ		▲/▲		
R/L105.0620.1.8	.079				.197			▲/Δ		▲/▲		
R/L105.0610.2.8	.039				.079			Δ/Δ		Δ/▲		
R/L105.0615.2.8	.059	.079	.591	1.378	.118	**.236**	.002	Δ/		▲/Δ		
R/L105.0620.2.8	.079				.197			Δ/Δ		▲/▲		
P								o		•		
M								•		•		
K								•		•		
S								•		•		
N								•		•		
H												

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

Carbide grades

State R or L version

In the UNITED STATES call us toll free
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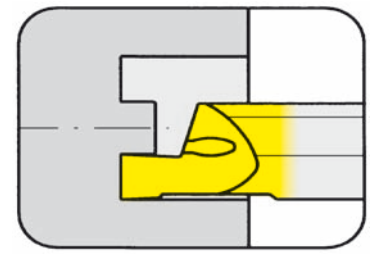
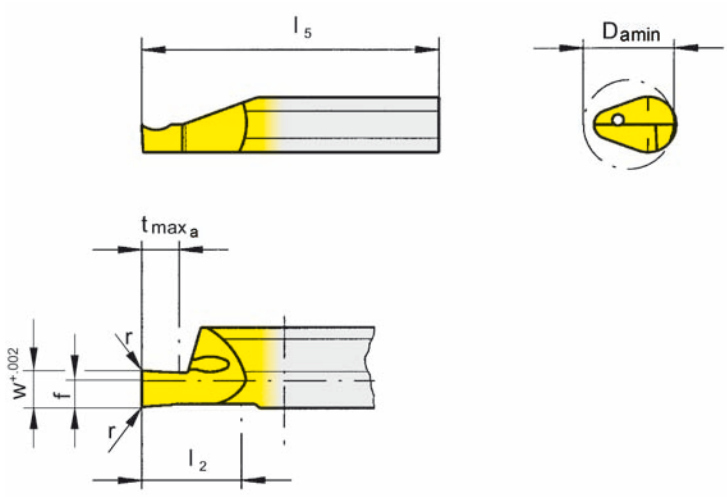
FACE GROOVING

INSERT Type 105



from outer groove Ø	.315″
Depth of groove up to	.236″
Width of groove up to	.118″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/L105.0810.1.8	.039	.079	.394	.984	.079	**.315**	.006			▲/▲		
R/L105.0815.1.8	.059				.118					▲/▲		
R/L105.0820.1.8	.079				.157					▲/▲		
R/L105.0825.1.8	.098				.197					▲/▲		
R/L105.0830.1.8	.118				.236					▲/▲		
R/L105.0810.2.8	.039	.079	.591	1.378	.079	**.315**	.006			▲/▲		
R/L105.0815.2.8	.059				.118					▲/▲		
R/L105.0820.2.8	.079				.157					▲/▲		
R/L105.0825.2.8	.098				.197					▲/▲		
R/L105.0830.2.8	.118				.236					▲/▲		

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P			•			
M			•			
K			•			
S			•			
N			•			
H						

Dimensions in inch

Carbide grades

State R or L version

In the UNITED STATES call us toll free
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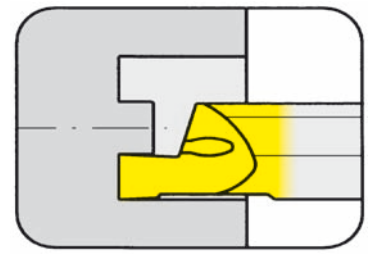
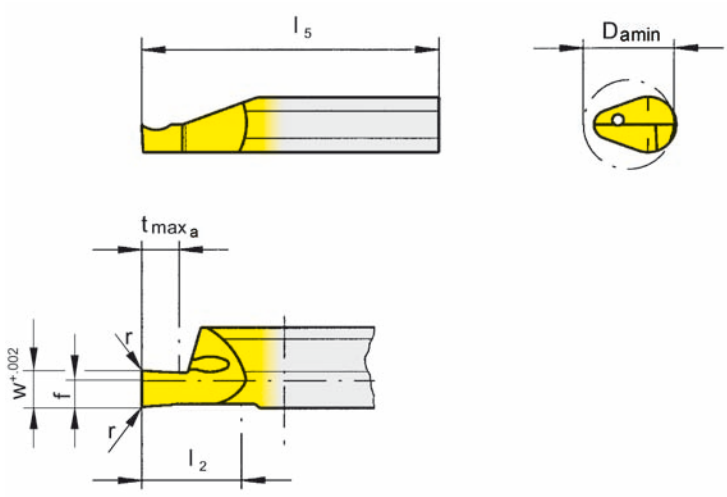
INSERT Type

U105



from outer groove Ø	.315″
Depth of groove up to	.236″
Width of groove up to	.125″



R = right hand version shown

L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/LU105.0846.1.8	.046				.098					▲/▲		▲/
R/LU105.0862.1.8	.062				.118					▲/▲		▲/
R/LU105.0878.1.8	.078	.079	.394	.984	.157	**.315**	.006			▲/▲		▲/
R/LU105.0894.1.8	.094				.197					▲/▲		▲/
R/LU105.0812.1.8	.125				.236					▲/▲		▲/
R/LU105.0846.2.8	.046				.098					▲/▲		▲/
R/LU105.0862.2.8	.062				.118					▲/▲		▲/
R/LU105.0878.2.8	.078	.079	.591	1.378	.157	**.315**	.006			▲/▲		▲/
R/LU105.0894.2.8	.094				.197					▲/▲		▲/
R/LU105.0812.2.8	.125				.236					▲/▲		▲/

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P			•		•
M			•		•
K			•		•
S			•		•
N			•		•
H					

Dimensions in inch

Carbide grades

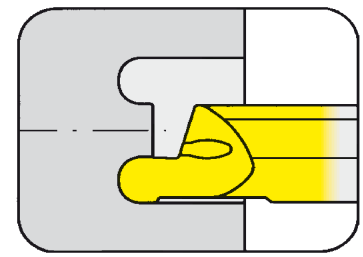
State R or L version

In the UNITED STATES call us toll free
1 - 888 - 818 HORN

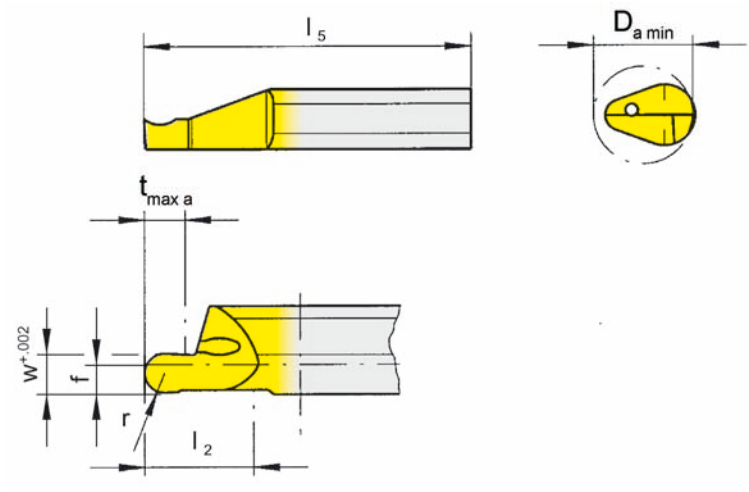
FACE GROOVING

INSERT Type

U105



from outer groove Ø	.315″
Depth of groove up to	.236″
Width of groove up to	.125″



R = right hand version shown

L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Full radius

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/LU105.FF46.1.8	.046				.098		.023			▲/▲		▲/
R/LU105.FF62.1.8	.062				.118		.031			▲/▲		▲/
R/LU105.FF78.1.8	.078	.079	.394	.984	.157	**.315**	.039			▲/▲		▲/
R/LU105.FF94.1.8	.094				.197		.047			▲/		▲/
R/LU105.FF12.1.8	.125				.236		.062			▲/▲		▲/
R/LU105.FF46.2.8	.046				.098		.023			▲/		▲/
R/LU105.FF62.2.8	.062				.118		.031			▲/		▲/
R/LU105.FF78.2.8	.078	.079	.591	1.378	.157	**.315**	.039			▲/		▲/
R/LU105.FF94.2.8	.094				.197		.047			▲/		▲/
R/LU105.FF12.2.8	.125				.236		.062			▲/		▲/
P										•		•
M										•		•
K										•		•
S										•		•
N										•		•
H												

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

Carbide grades

State R or L version

In the UNITED STATES call us toll free
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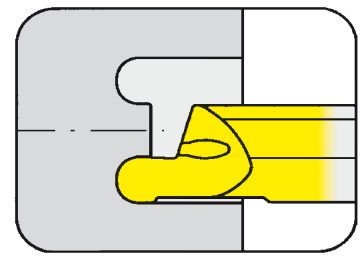
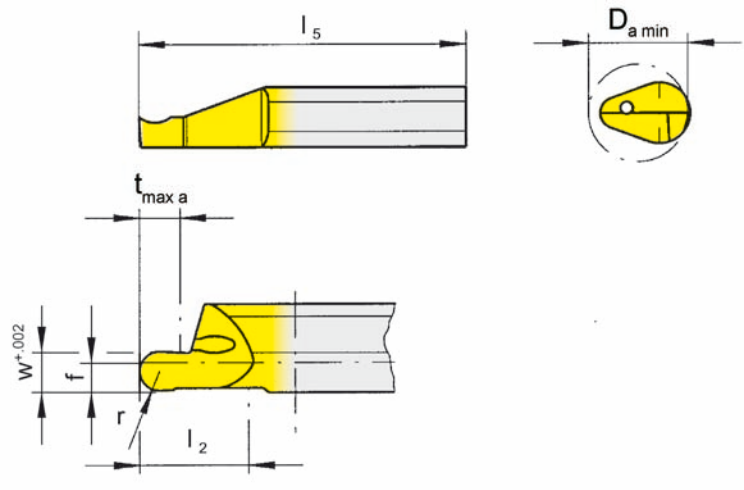
FACE GROOVING

INSERT Type 105



from outer groove Ø	.315″
Depth of groove up to	.236″
Width of groove up to	.118″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Full radius

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/L105.8V10.1.8	.039				.079		.020			▲/▲		
R/L105.8V16.1.8	.063				.118		.031			▲/▲		
R/L105.8V20.1.8	.079	.079	.394	.984	.157	**.315**	.039			▲/▲		
R/L105.8V25.1.8	.098				.197		.049			▲/▲		
R/L105.8V30.1.8	.118				.236		.059			▲/▲		
R/L105.8V10.2.8	.039				.079		.020			▲/▲		
R/L105.8V16.2.8	.063				.118		.031			▲/▲		
R/L105.8V20.2.8	.079	.079	.591	1.378	.157	**.315**	.039			▲/▲		
R/L105.8V25.2.8	.098				.197		.049			▲/Δ		
R/L105.8V30.2.8	.118				.236		.059			▲/▲		
P										•		
M										•		
K										•		
S										•		
N										•		
H												

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

Carbide grades

State R or L version

In the UNITED STATES call us toll free
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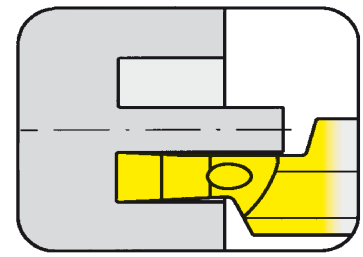
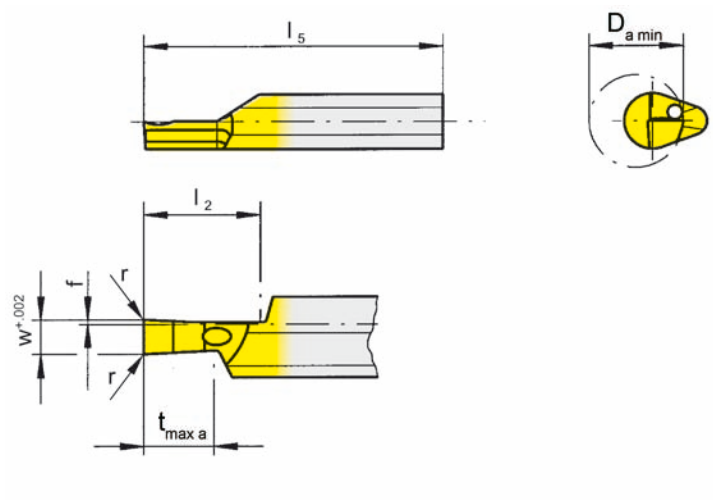
FACE GROOVING

INSERT Type 105



from outer groove Ø	.315″
Depth of groove up to	.236″
Width of groove up to	.118″



for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

R = right hand version shown L = left hand version

Part number	w	f	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	r	MG12	TN35	TI25	TF45	TH35
R/L105.0810.1.9	.039	.016	.394	.984	.079	**.315**	.006			▲/▲		
R/L105.0815.1.9	.059				.118					▲/▲		
R/L105.0820.1.9	.079				.157					▲/▲		
R/L105.0825.1.9	.098				.197					▲/▲		
R/L105.0830.1.9	.118				.236					▲/▲		

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

P			•			
M			•			
K			•			
S			•			
N			•			
H						

Dimensions in inch

Carbide grades

State R or L version

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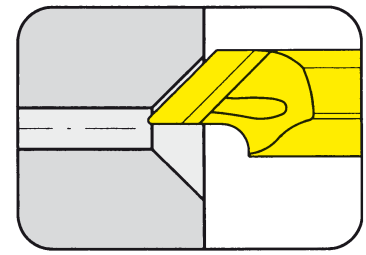
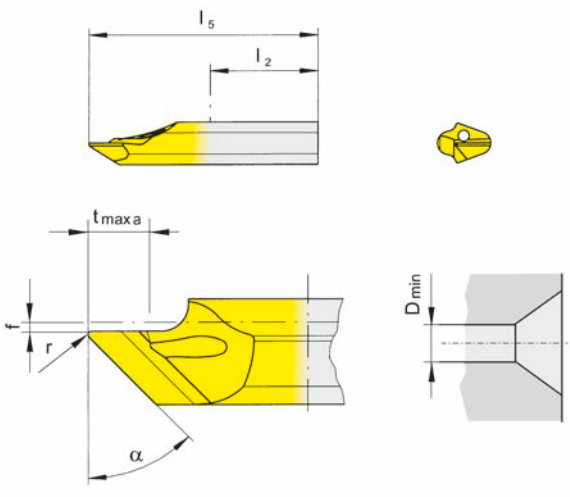
INSERT Type 105



Angle of chamfer	45°/ 60°
Width of chamfer up to	.157″



R = right hand version shown L = left hand version

for use with Toolholder

Type BU105
B105
B105C
B105KM
BKT
H105
HC105
VDI

Part number	α	f	l_2	l_5	$t_{max\ a}$	D_{min}	r
R/L105.0045.0.1 **R/L105.0045.1.1**	45°	.020	.472	.787 .984	.138	**.039**	.008
R/L105.0060.0.1 **R/L105.0060.1.1**	60°	.020	.472	.787 .984	.157	**.039**	.008

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

	MG12	TN35	TI25	TF45	TH35
		▲/▲		/▲ ▲/▲	
				/▲ ▲/▲	
P		•		•	
M		•		•	
K		•		•	
S		•		•	
N		•		•	
H					

Dimensions in inch

Carbide grades

State R or L version

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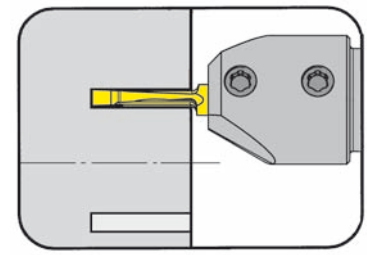
FACE GROOVING

TOOLHOLDER Type

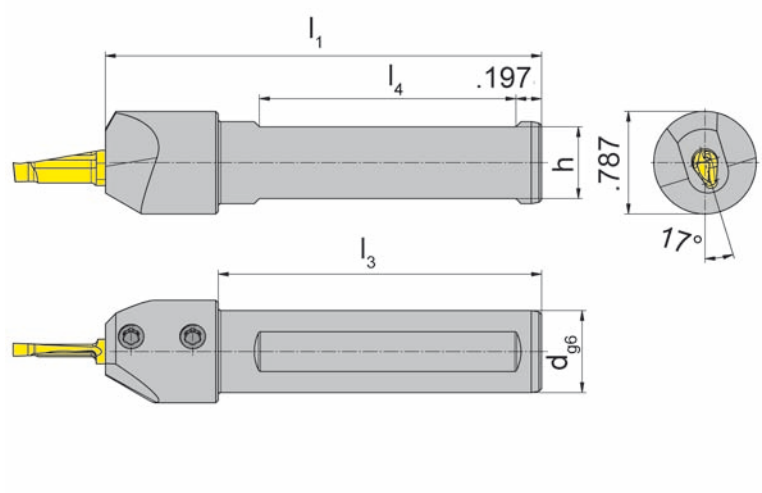
BU105

with through coolant supply



from outer groove Ø	.394″
Depth of groove up to	.591″
Width of groove up to	.118″

Clamping length 22 mm



L = left hand version shown

R = right hand version

for use with Insert

Type A105

only usable for inserts with extended clamping length

Part number	d	l_1	h	l_3	l_4
R/LBU105.0625.12.2	.625	3.347	.546	2.480	1.969
R/LBU105.0750.12.2 **R/LBU105.1000.12.2**	.750 1.000	3.937	.671 .921	-	2.165

State R or L version

Dimensions in inch

Further sizes upon request

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LBU105....	**6.075T15P**	**T15PQ**

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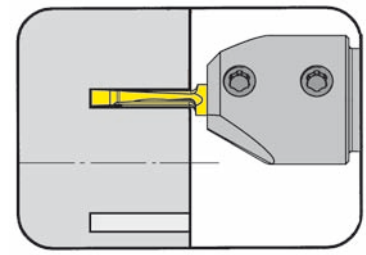
TOOLHOLDER Type

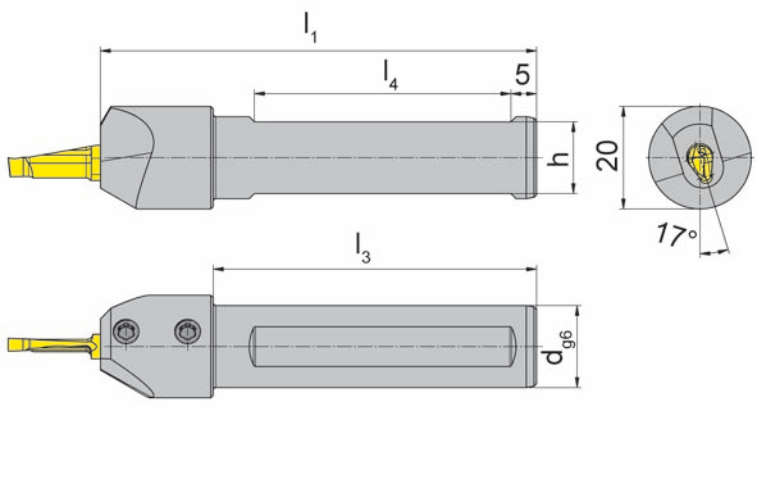
B105

with through coolant supply



from outer groove Ø	.394″ (10.0 mm)
Depth of groove up to	.591″ (15.0 mm)
Width of groove up to	.118″ (3.0 mm)

Clamping length 22 mm



L = left hand version shown

R = right hand version

for use with Insert

Type A105

only usable for inserts with extended clamping length

Part number	d	l_1	h	l_3	l_4
R/LB105.0016.12.2	16	85	14	63	50
R/LB105.0020.12.2	20	100	18	-	55

State R or L version

Dimensions in mm

Further sizes upon request

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LB105.00...	**6.075T15P**	**T15PQ**

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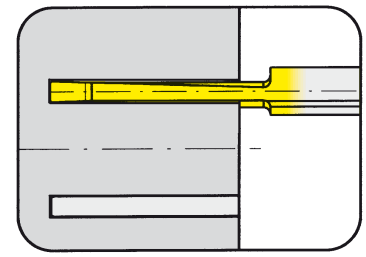
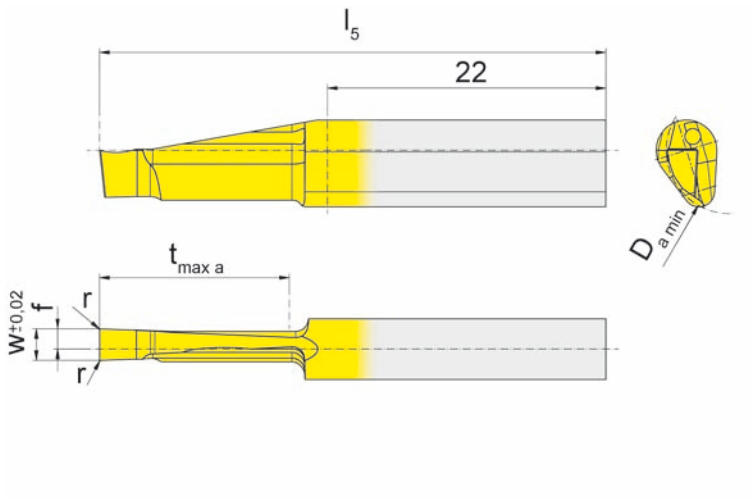
FACE GROOVING

INSERT Type

A105



from outer groove Ø	.394″
Depth of groove up to	.591″
Width of groove up to	.118″



for use with Toolholder

Type BU105...12.2
B105...12.2

L = left hand version shown R = right hand version

Part number	w	f	l_5	$t_{max\ a}$	$D_{a\ min}$	r
R/LA105.1020.2.2	.079	.055	1.575	.591	**.394**	.004
R/LA105.1025.2.2	.098	.063				
R/LA105.1030.2.2	.118	.075				

	MG12	TN35	TI25	TF45	TH35
			▲/▲		
			▲/▲		
			▲/▲		
P			•		
M			•		
K			•		
S			•		
N			•		
H					

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

Carbide grades

State R or L version

Note:
Use insert RA105 in toolholder RB105
Use insert LA105 in toolholder LB105

Face grooving with full width of the full depth only possible between D_{amin} .394" - 1.575"!

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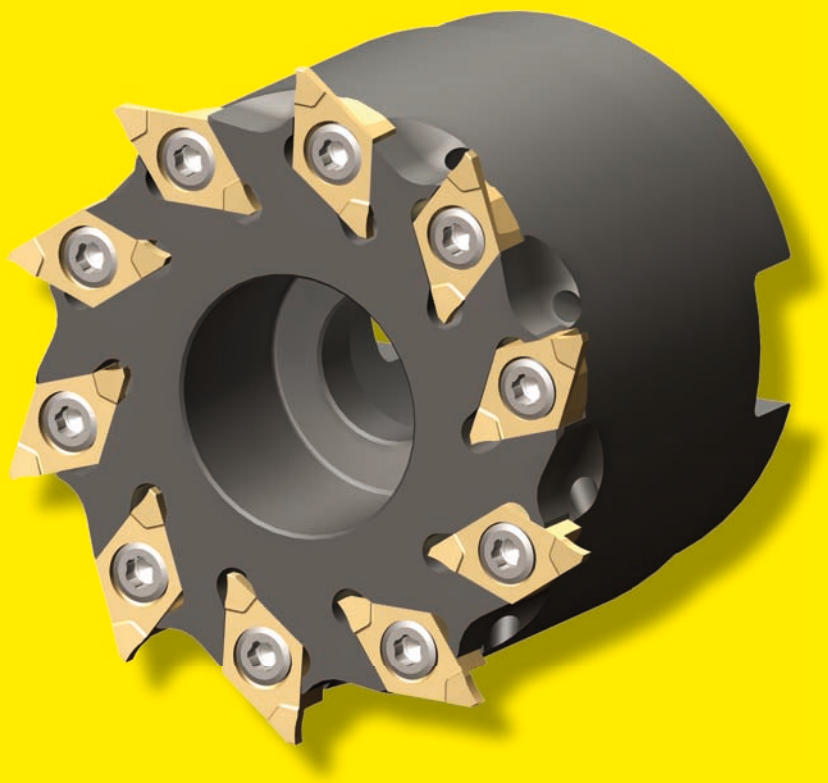
Groove milling with System 275
from Cutting edge Ø

Ø 1.221˝ (31.0 mm)

Example:
Milling cutter M275.0078.A32.14
Cutting edge Ø 3.071˝ (78.0 mm)



For further information, please see HORN catalog "CARBIDE MILLING TOOLS".

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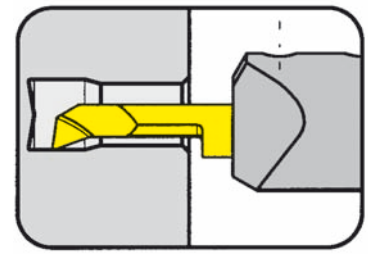
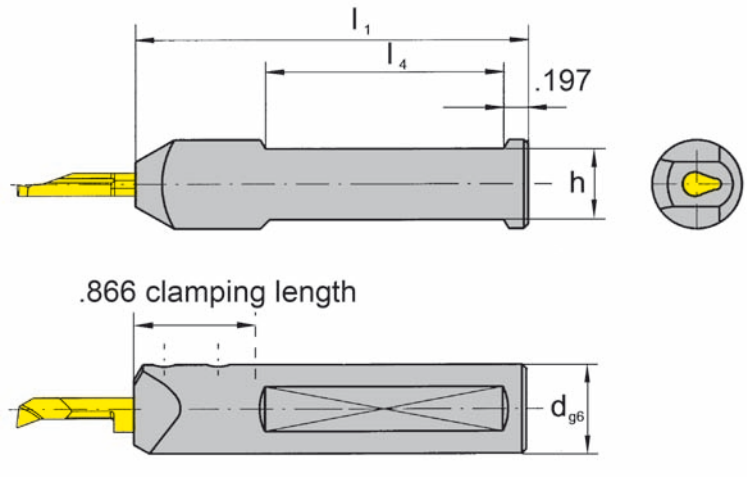
TOOLHOLDER Type

BU105...02

with through coolant supply



Bore Ø from	.197″



Picture = right hand cutting version shown

for use with Insert

Type 105...2

only usable for inserts with extended clamping length

Part number	d	l_1	h	l_4
BU105.0500.02	.500	3.346	.433	1.969
BU105.0625.02	.625	3.346	.551	1.969
BU105.0750.02	.750	3.937	.709	2.165

Further sizes upon request

Dimensions in inch

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
BU105.0...	**6.075T15P**	**T15PQ**

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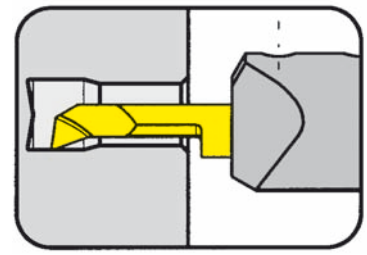
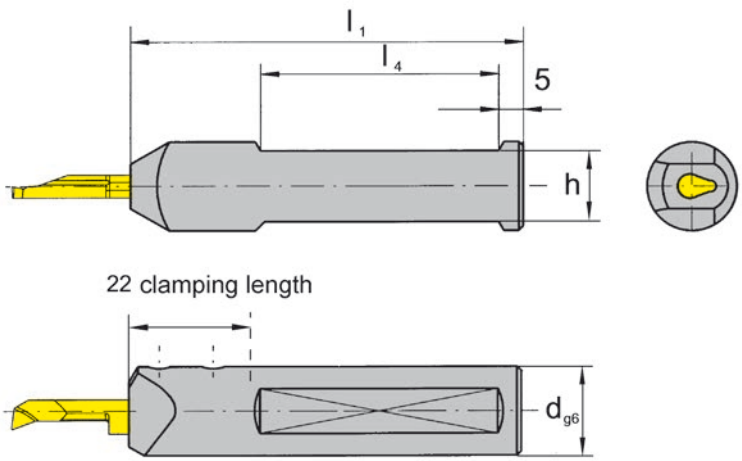
TOOLHOLDER Type

B105...02

with through coolant supply



Bore Ø from	.472″ (12.0 mm)



Picture = right hand cutting version shown

for use with Insert

Type 105...2

only usable for inserts with extended clamping length

Part number	d	l_1	h	l_4
B105.0012.02	12	85	11	50
B105.0016.02	16	85	14	50
B105.0020.02	20	100	18	55
B105.0022.02	22	100	20	55

Further sizes upon request

Dimensions in mm

Ordering note:
Toolholders can be used with right and left hand inserts.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B105.00...	**6.075T15P**	**T15PQ**

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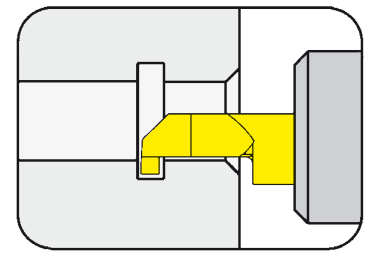
TOOLHOLDER Type

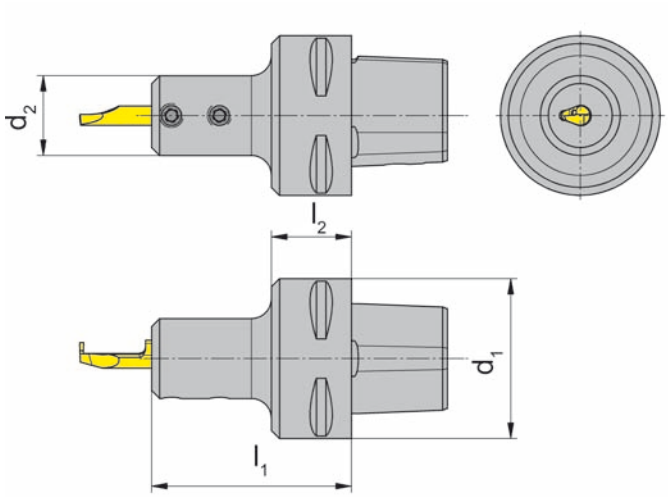
B105C

with through coolant supply



Adapter for inserts type 105 HORN-Capto

Clamping length 22 mm



L = left hand version shown

R = right hand version

for use with Insert

Type 105...2

only usable for inserts with extended clamping length

Part number	l_1	l_2	d_2	d_1	Remark
R/LB105.00C4.20.1.02	50	20	20	40	C4
R/LB105.00C6.20.1.02	52	22	20	63	C6

State R or L version

Dimensions in mm

Further sizes upon request

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
R/LB105.00C...	**6.075T15P**	**T15PQ**

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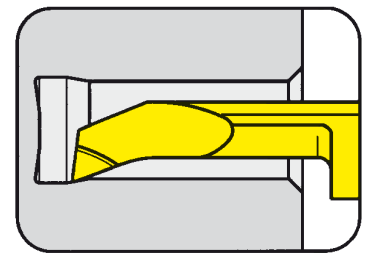
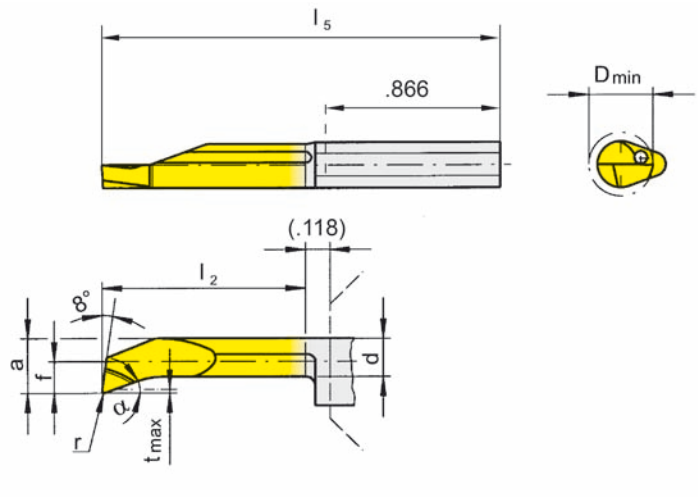
INSERT Type 105



Bore Ø from .197″

Clamping length 22 mm



for use with Toolholder

Type BU105...02
B105...02
B105C...02

R = right hand version shown L = left hand version

with extended clamping length

Part number	f	a	d	l_2	l_5	t_{max}	D_{min}	r	α
R/L105.1823.4.5.2 **R/L105.1823.5.5.2**	.091	.185	.165	.984 1.181	1.969 2.165	.012	**.197**	.004	20°
R/L105.1833.4.6.2 **R/L105.1833.5.6.2**	.130	.224	.193	.984 1.181	1.969 2.165	.012	**.236**	.004	20°
R/L105.1840.4.7.2 **R/L105.1840.5.7.2** **R/L105.1840.7.7.2**	.157	.252	.213	.984 1.181 1.575	1.969 2.165 2.559	.012	**.268**	.004	20°
R/L105.4733.5.6.2	.130	.224	.146	1.181	2.165	.071	**.236**	.004	47°

	MG12	TN35	TI25	TF45	TH35
			▲/▲		▲/▲
			▲/▲		▲/▲
			▲/▲		▲/▲
			▲/▲		▲/▲
			▲/▲		▲/▲
			▲/		
			▲/▲		▲/▲
P			•		•
M			•		•
K			•		•
S			•		•
N			•		•
H					

▲ on stock Δ 4 weeks
● main recommendation
o alternative recommendation
uncoated grades
coated grades
brazed/Cermet

Dimensions in inch

Carbide grades

State R or L version

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