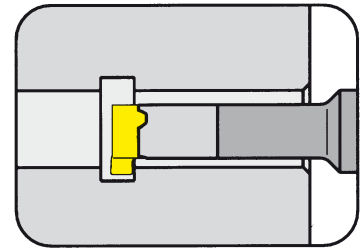


TOOLHOLDER Type

BU111

with through coolant supply

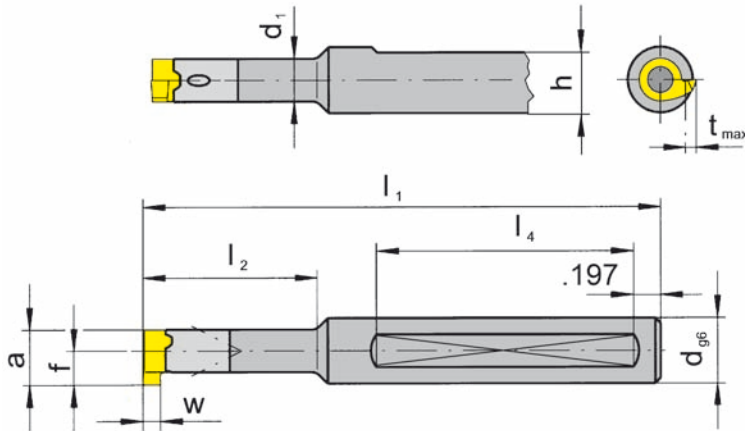


Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove up to	.125"

Material of shank: Carbide - Giving a good vibration resistance

for use with Insert

Type 111
S111
U111



Picture = right hand cutting version shown

Part number	d	l ₁	l ₂	h	l ₄	d ₁	Remark
BU111.ST05.00	.500	2.953	.650	.460	1.570	.315	* Steel toolholder
BU111.0500.01		3.740	1.142				
BU111.0500.02	.500	4.331	1.654	.460	1.970	.315	
BU111.0500.03		4.724	2.205				

Further sizes upon request

w, a, t_{max} and f see inserts

Dimensions in inch

Note:

Toolholders can be used in right and left hand inserts.
Toolholders with damaged seating can be repaired by HORN.

* Steel toolholder is not repairable.

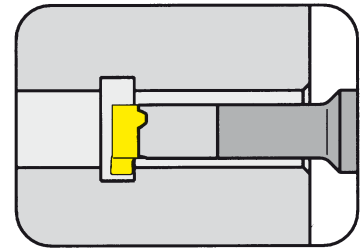
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
BU111....	3.5.12T10EP	T10PL

TOOLHOLDER Type

B111

with through coolant supply

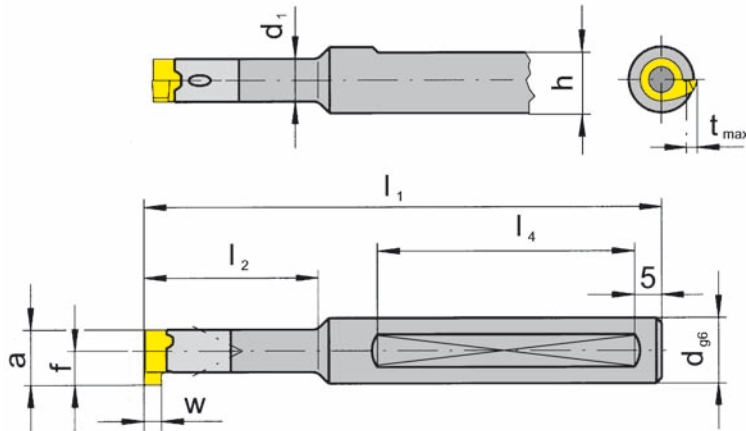


Bore Ø from	.433" (11.0 mm)
Depth of groove up to	.091" (2.3 mm)
Width of groove up to	.125" (3.18 mm)

Material of shank: Carbide - Giving a good vibration resistance

for use with Insert

Type 111
S111
U111



Picture = right hand cutting version shown

Part number	d	l ₁	l ₂	h	l ₄	d ₁
B111.0012.00		75	16.5		40	
B111.0012.01		95	29.0		50	
B111.0012.02	12	110	42.0	11	50	8
B111.0012.03		120	56.0		50	

Further sizes upon request

w, a, t_{max} and f see inserts

Dimensions in mm

Ordering note:

Toolholders can be used in right and left hand inserts.
Toolholders with damaged seating can be repaired by HORN.

Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B111.0012.0...	3.5.12T10EP	T10PL



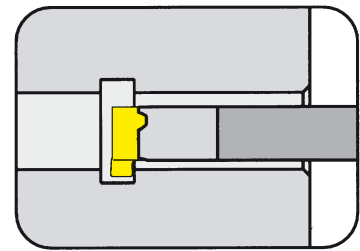
TOOLHOLDER Type

B111

with through coolant supply

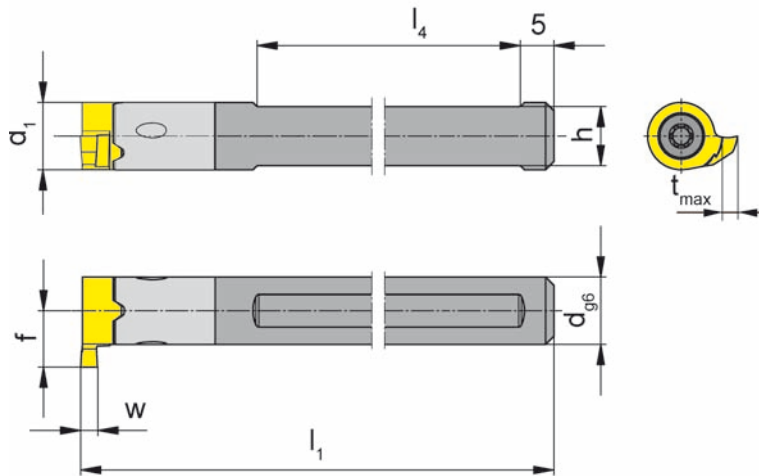
Bore Ø from	.433" (11.0 mm)
Depth of groove up to	.091" (2.3 mm)
Width of groove up to	.125" (3.18 mm)

Material of shank: Carbide - Giving a good vibration resistance



for use with Insert

Type 111
S111
U111



Picture = right hand cutting version shown

Part number	d	l ₁	h	l ₄	d ₁
B111.0008.01	8	80	7	55	8
B111.0008.01A	8	80	-	-	-

Further sizes upon request

w, a, t_{max} and f see inserts

Dimensions in mm

Ordering note:

Toolholders can be used in right and left hand inserts.
Toolholders with damaged seating can be repaired by HORN.

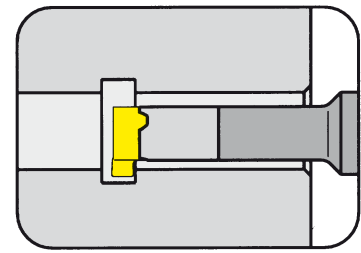
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B111.0008.01	3.5.12T10EP	T10PL

TOOLHOLDER Type

B111

with through coolant supply

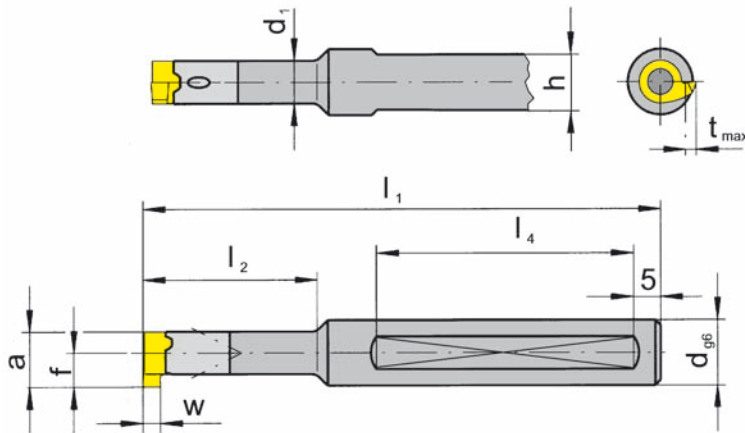


Bore Ø from	.433" (11.0 mm)
Depth of groove up to	.091" (2.3 mm)
Width of groove up to	.125" (3.18 mm)

Material of shank: Carbide - Giving a good vibration resistance

for use with Insert

Type 111
S111
U111



Picture = right hand cutting version shown

with 2 clamping flats

Part number	d	l ₁	l ₂	h	l ₄	d ₁
B111.0012.2.00	12	75	16.5	11	40	8
B111.0012.2.01		95	29.0		50	
B111.0012.2.02		110	42.0		50	
B111.0012.2.03		120	56.0		50	

Further sizes upon request

w, a, t_{max} and f see inserts

Dimensions in mm

Ordering note:

Toolholders can be used in right and left hand inserts.
Toolholders with damaged seating can be repaired by HORN.

Spare parts

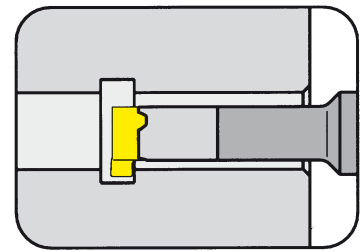
Toolholder	Screw	TORX PLUS® Wrench
B111.0012.2.0...	3.5.12T10EP	T10PL



TOOLHOLDER Type

B111

with through coolant supply



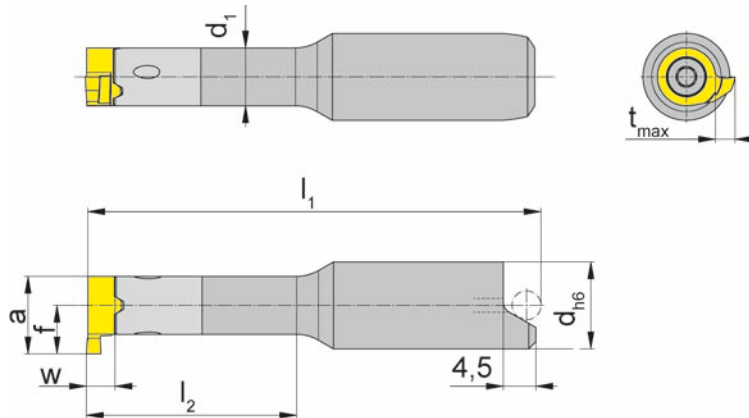
Bore Ø from	.433" (11.0 mm)
Depth of groove up to	.091" (2.3 mm)
Width of groove up to	.125" (3.18 mm)

Material of shank: Carbide - Giving a good vibration resistance

for use with Insert

Type 111
S111
U111

E



Picture = right hand cutting version shown

for shrinkage location
S = orientation

Part number	d	l ₁	l ₂	d ₁
B111.0012.00S	12	50.7	16.5	8
B111.0012.01S		62.7	29.0	
B111.0012.02S		75.7	42.0	
B111.0012.03S		89.7	56.0	

Further sizes upon request

w, a, t_{max} and f see inserts

Dimensions in mm

Ordering note:

Toolholders can be used in right and left hand inserts.
Toolholders with damaged seating can be repaired by HORN.



Example of assembly System „W&F“

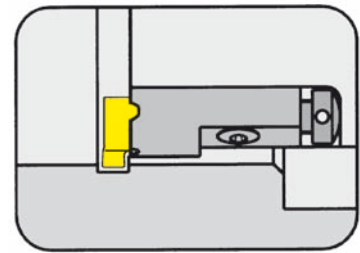
Spare parts

Toolholder	Screw	TORX PLUS® Wrench
B111.0012.0...	3.5.12T10EP	T10PL

CARTRIDGE Type

125

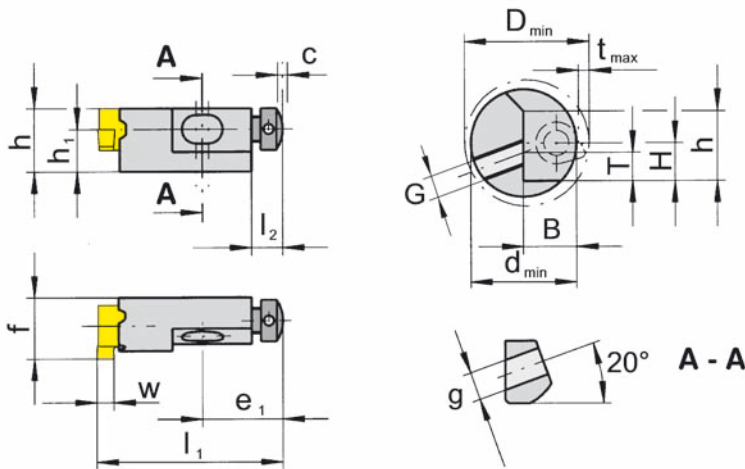
for customized tools



Bore Ø from	.787" (20.0 mm)
Depth of groove up to	.091" (2.3 mm)
Width of groove up to	.125" (3.18 mm)

for use with Insert

Type 111
S111
U111



R = right hand version shown

L = left hand version

Part number	h_1	f	h	l_1	D_{min}	e_1	l_2	c	g	Clamping range
R/L125.0608.00	6	11.2	10	30	20	12.8	5	2	4.5	0.5 - 3.0

State R or L version

w and t_{max} see inserts

Dimensions in mm

Height of cutting edge h_1

Special height $h_1 = 5$ mm available upon request

Seating sizes	H	T	B	G	d_{min}
R/L125.0608.00	6	4.5	8.5	M4	16

Spare parts

Cartridge	Screw	Screw	Adjust screw axial	TORX PLUS® Wrench
R/L125.0608.00	4.12.125	3.5.12T10EP	4.06.020	T10PL



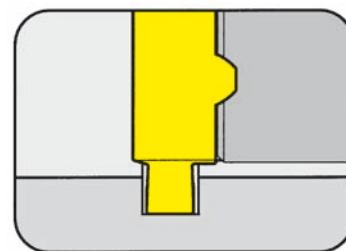
GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

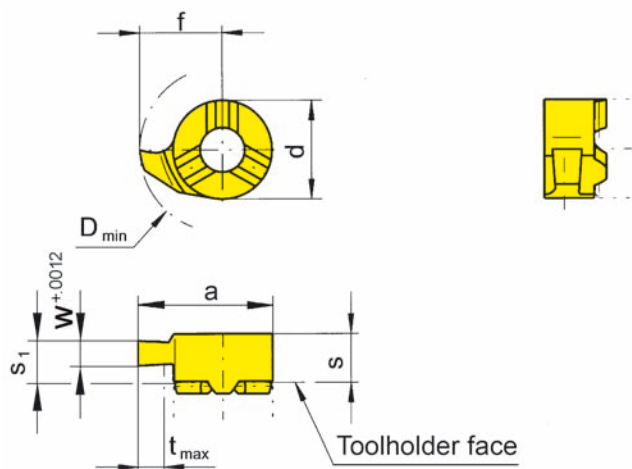
U111

Bore Ø from	.433"
Depth of groove up to	.047"
Width of groove	.031 - .039"



for use with Toolholder

Type 125
B111
BU111



R = right hand version

L = left hand version

not face cutting,
limited depth of cut

Part number	w	s ₁	s	f	a	d	t _{max}	D _{min}	MG12	TN35	TI25	TF45	TH35
R/LU111.0031.00	.031									▲/▲			
R/LU111.0039.00	.039	.156	.163	.264	.421	.315	.047	.433	▲/▲	▲/▲			
									P	o	•		
									M	•	•		
									K	•	•		
									S	•	•		
									N	•	•		
									H				

Carbide grades

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

Dimensions in inch

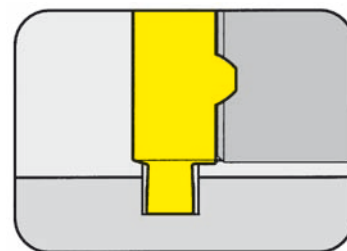
State R or L version

GROOVING (internal) $\geq \text{Ø} .433''$



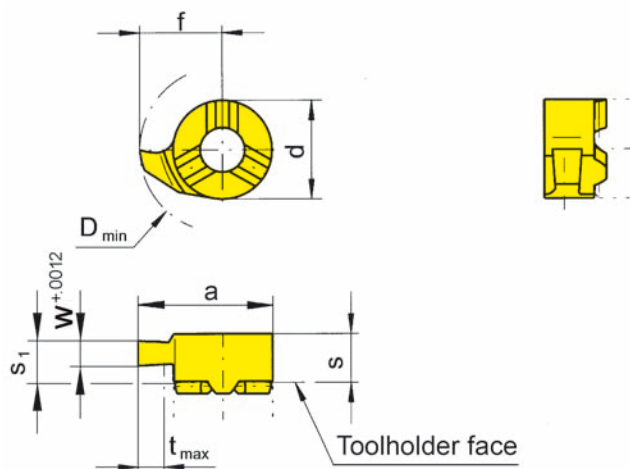
INSERT Type

111



Bore Ø from	.433"
Depth of groove up to	.059"
Width of circlip Nw	.028 - .035"

Widths for circlip grooves DIN 471/472



for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

not face cutting,
limited depth of cut

Part number	Nw	w	s ₁	s	f	a	d	t _{max}	D _{min}	Carbide grades					
										MG12	TN35	TI25	TF45	TH35	
R/L111.0070.00	.028	.029						.047			▲/▲			▲/▲	
R/L111.0080.00	.031	.033	.156	.163	.264	.421	.315	.051	.433		▲/▲			▲/	
R/L111.0090.00	.035	.037						.059			▲/▲			▲/▲	
▲ on stock Δ 4 weeks ● main recommendation ○ alternative recommendation □ uncoated grades ■ coated grades ■ brazed/Cermet											P	○	●	■	■
											M	●	●	■	■
											K	●	●	■	■
											S	●	●	■	■
											N	●	●	■	■
											H	■	■	■	■

Dimensions in inch

State R or L version

Carbide grades

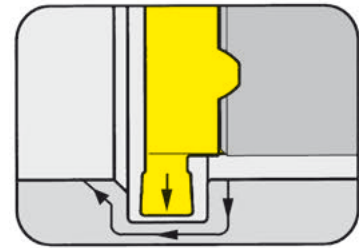
NC-PROFILING (internal) $\geq \text{Ø} .433''$



INSERT Type

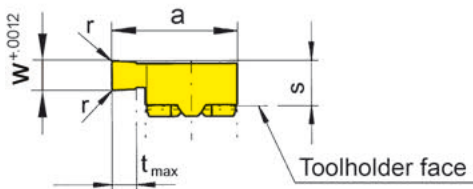
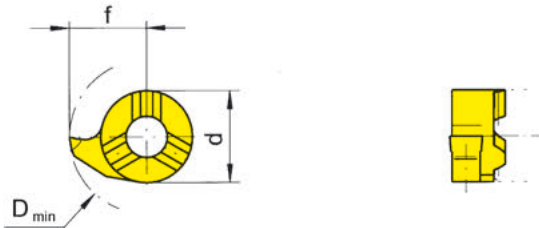
U111

Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.031 - .125



for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

with corner radius

Part number	w	r	s	f	a	d	t _{max}	D _{min}		MG12	TN35	TI25	TF45	TH35
R/LU111.0031.08	.031										▲/▲			
R/LU111.0046.08	.046										▲/▲			
R/LU111.0062.08	.062	.008	.156	.264	.421	.315	.091	.433		Δ	▲/▲		▲/	
R/LU111.0078.08	.078										▲/▲		Δ/	
R/LU111.0094.08	.094									Δ/	▲/▲		Δ/	
R/LU111.0125.08	.125										▲/			
R/LU111.0046.16	.046										▲/			
R/LU111.0062.16	.062										▲/▲			
R/LU111.0078.16	.078	.016	.156	.264	.421	.315	.091	.433			▲/			
R/LU111.0094.16	.094										▲/Δ			
R/LU111.0125.16	.125										Δ/			

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

Dimensions in inch
State R or L version

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

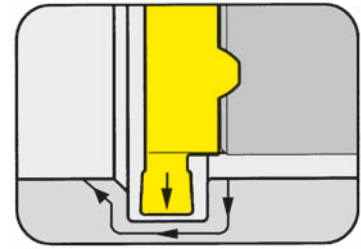
Carbide grades

NC-PROFILING (internal) $\geq \text{Ø} .433''$



INSERT Type

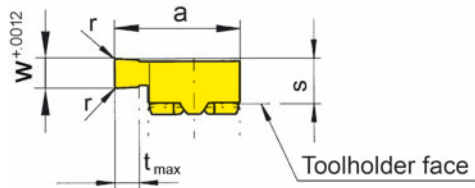
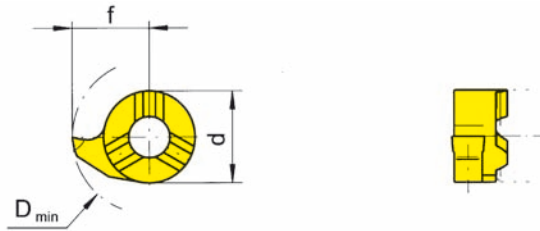
111



Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.079"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

with corner radius



Part number	w	r	s	f	a	d	t _{max}	D _{min}	MG12	TN35	TI25	TF45	TH35
R/L111.0200.02	.079	.008	.156	.264	.421	.315	.091	.433	▲/▲	▲/▲	▲/▲		▲/▲
									P	o	•	•	•
									M	•	•	•	•
									K	•	•	•	•
									S	•	•	•	•
									N	•	•	•	•
									H				

Carbide grades

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

Dimensions in inch

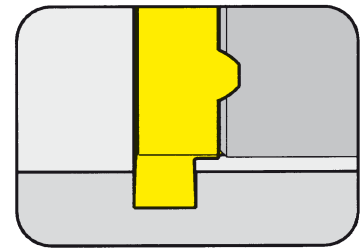
State R or L version

GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

U111

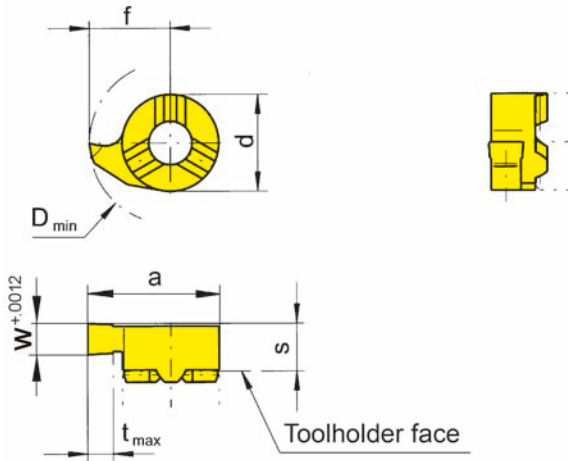


Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.046 - .078"

for use with Toolholder

Type 125
B111
BU111

E



R = right hand version shown

L = left hand version

Part number	w	s	f	a	d	t _{max}	D _{min}	MG12	TN35	TI25	TF45	TH35
R/LU111.0046.00	.046							▲/	▲/▲	Δ/		
R/LU111.0056.00	.056							▲/	▲/▲			
R/LU111.0062.00	.062	.156	.264	.421	.315	.091	.433	▲/	▲/▲	Δ/	▲/	
R/LU111.0078.00	.078								▲/▲			
								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

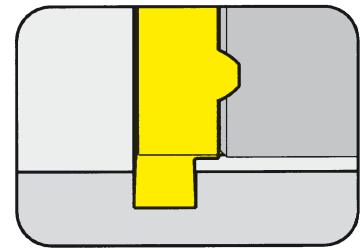
Carbide grades

GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

111

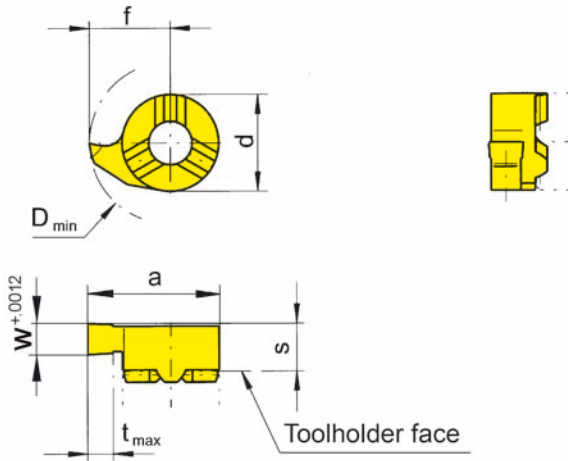


Bore Ø from	.433"
Depth of groove up to	.091"
Width of circlip Nw	.043 - .063"

Widths for circlip grooves DIN 471/472

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Part number	Nw	w	s	f	a	d	t _{max}	D _{min}	Carbide grades				
									MG12	TN35	TI25	TF45	TH35
R/L111.0110.00	.043	.047							▲/▲	▲/▲			▲/▲
R/L111.0130.00	.051	.055	.156	.264	.421	.315	.091	.433	▲/▲	▲/▲			▲/▲
R/L111.0160.00	.063	.067							▲/▲	▲/▲			▲/▲
									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

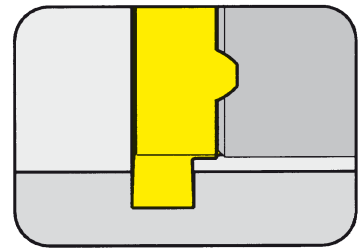
Carbide grades

GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

111

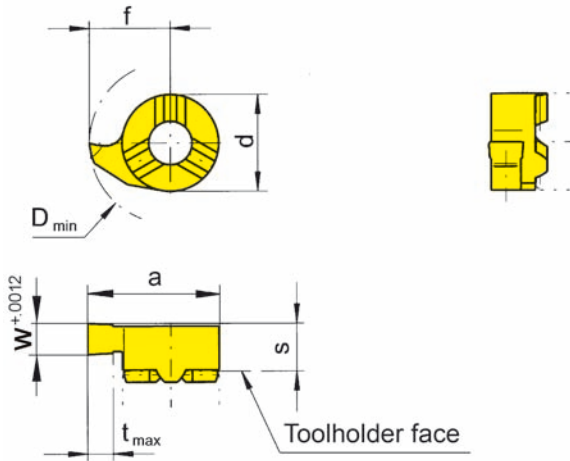


Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.059 - .118"

for use with Toolholder

Type 125
B111
BU111

E



R = right hand version shown

L = left hand version

Part number	w	s	f	a	d	t _{max}	D _{min}	Carbide grades				
								MG12	TN35	TI25	TF45	TH35
R/L111.0150.00	.059							▲/▲	▲/▲			▲/▲
R/L111.0200.00	.079							▲/▲	▲/▲			▲/▲
R/L111.0250.00	.098	.156	.264	.421	.315	.091	.433	▲/▲	▲/▲			▲/▲
R/L111.0300.00	.118							▲/▲	▲/▲			▲/▲
								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

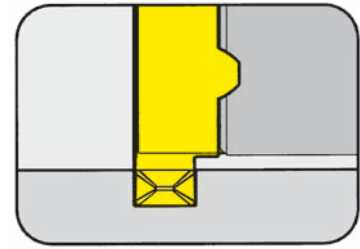
Carbide grades

GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

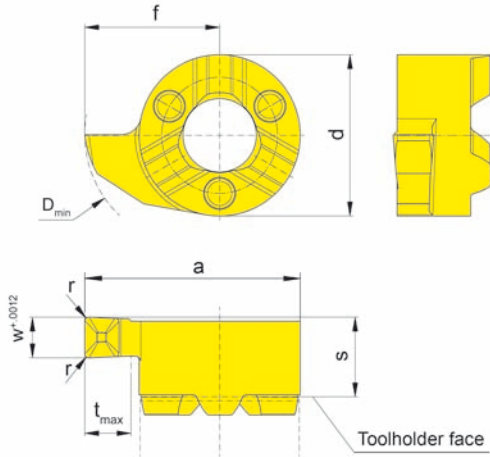
S111



Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.059 - .098"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Geometry .D

Part number	w	r	s	f	a	d	t _{max}	D _{min}	Carbide grades				
									MG12	TN35	TI25	TF45	TH35
R/LS111.0150.D1	.059	.004											▲▲
R/LS111.0200.D2	.079	.008	.156	.264	.421	.315	.091	.433					▲▲▲
R/LS111.0250.D2	.098	.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

State R or L version

Carbide grades

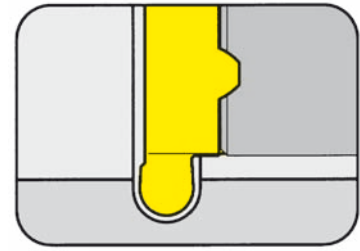


GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

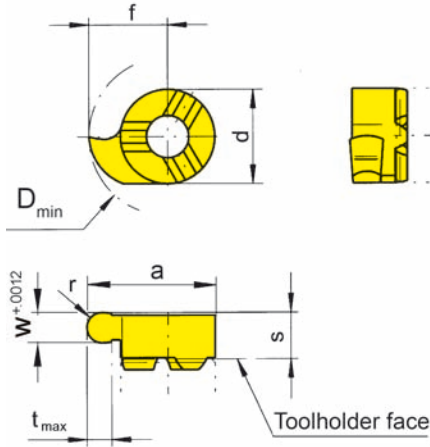
U111



Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.031 - .078"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Full radius

Part number	w	r	s	f	a	d	t _{max}	D _{min}	Carbide grades				
									MG12	TN35	TI25	TF45	TH35
R/LU111.0015.31	.031	.015						.433	▲/▲	▲/▲			
R/LU111.0023.46	.046	.023						.433	▲/▲	▲/▲			
R/LU111.0031.62	.062	.031	.156	.264	.421	.315	.091	.433	▲/▲	▲/▲	▲		
R/LU111.0039.78	.078	.039						.433	▲/▲	▲/▲			
									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

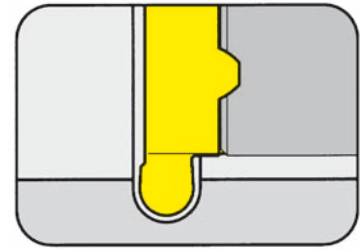
Carbide grades

GROOVING (internal) $\geq \text{Ø} .433''$



INSERT Type

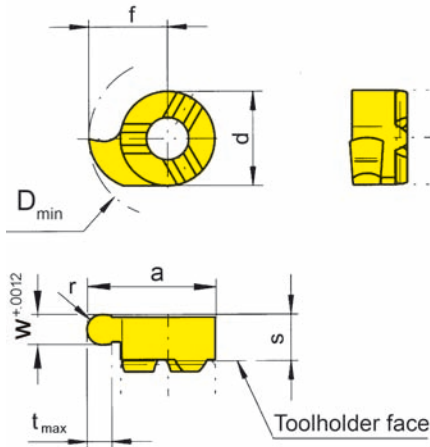
111



Bore Ø from	.433"
Depth of groove up to	.091"
Width of groove	.031 - .118"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Full radius

Part number	w	r	s	f	a	d	t _{max}	D _{min}	MG12	TN35	TI25	TF45	TH35
R/L111.0004.08	.031	.016								▲/▲			▲/▲
R/L111.0006.12	.047	.024							▲/▲	▲/▲			▲/▲
R/L111.0009.18	.071	.035	.156	.264	.421	.315	.091	.433	▲/▲	▲/▲			▲/▲
R/L111.0010.20	.079	.039							▲/▲	▲/▲			▲/▲
R/L111.0015.30	.118	.059							▲/▲	▲/▲			▲/▲
									P	o	•		•
									M	•	•		•
									K	•	•		•
									S	•	•		•
									N	•	•		•
									H				

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

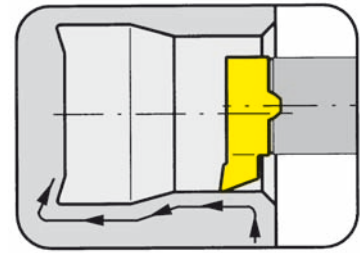
Dimensions in inch

State R or L version

Carbide grades

INSERT Type

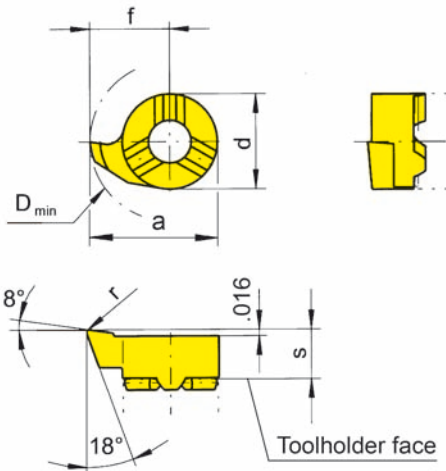
111



Bore Ø from $.386''$
 Depth of undercut up to $.091''$

for use with Toolholder

Type 125
 B111
 BU111



R = right hand version shown

L = left hand version

Part number	r	s	f	a	d	t _{max}	D _{min}	Carbide grades				
								MG12	TN35	TI25	TF45	TH35
R/L111.1855.02	.008	.156	.217	.374	.315	.051	.386	▲/▲	▲/▲	▲/▲		▲/▲
R/L111.1867.02	.008	.156	.264	.421	.315	.091	.433	▲/▲	▲/▲	▲/▲		▲/▲
▲ on stock Δ 4 weeks ● main recommendation ○ alternative recommendation □ uncoated grades ■ coated grades ■ brazed/Cermet								P	○	●	●	●
								M	●	●	●	●
								K	●	●	●	●
								S	●	●	●	●
								N	●	●	●	●
								H				

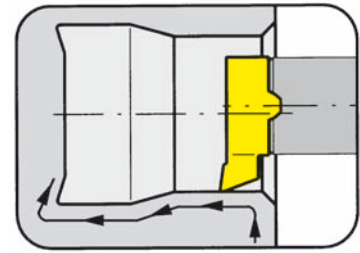
Dimensions in inch

State R or L version

The modified geometry allows boring of bores $\geq \text{Ø} .386''$ and profiling of reliefs as per DIN 509 form E and .

INSERT Type

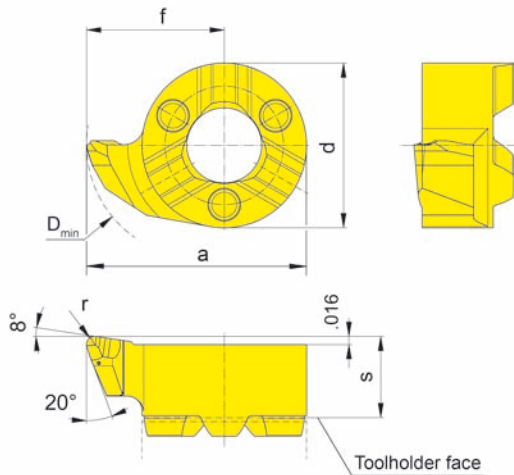
S111



Bore Ø from .433"
 Depth of undercut up to .091"

for use with Toolholder

Type 125
 B111
 BU111



R = right hand version shown

L = left hand version

Geometry .R

Part number	r	s	f	a	d	D _{min}	Carbide grades				
							MG12	TN35	TI25	TF45	TH35
LS111.1867.R2	.008										▲
RS111.1867.R2	.008					.433					▲
LS111.1867.R4	.016	.156	.264	.421	.315						▲
RS111.1867.R4	.016										▲
							P				•
							M				•
							K				•
							S				•
							N				•
							H				•

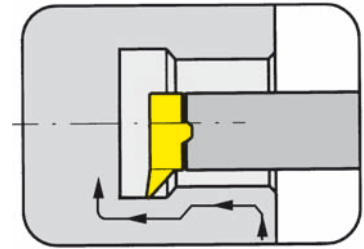
- ▲ on stock Δ 4 weeks
- main recommendation
- o alternative recommendation
- uncoated grades
- coated grades
- brazed/Cermet

Dimensions in inch
 State R or L version

The modified geometry allows boring of bores $\geq \text{Ø} .433''$ and profiling of reliefs as per DIN 509 form E and F.

INSERT Type

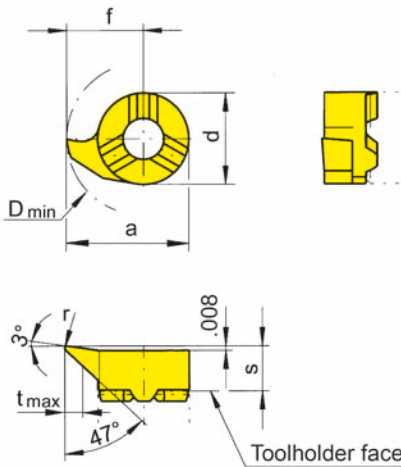
111



Bore Ø from $.433''$
 Depth of undercut up to $.091''$

for use with Toolholder

Type 125
 B111
 BU111



R = right hand version shown

L = left hand version

Part number	r	s	f	a	d	t _{max}	D _{min}	Carbide grades				
								MG12	TN35	TI25	TF45	TH35
R/L111.4767.02	.008	.156	.264	.421	.315	.091	.433		▲/▲	▲/▲		▲/▲
R/L111.4767.04	.016											▲/▲
								P	•	•		•
								M	•	•		•
								K	•	•		•
								S	•	•		•
								N	•	•		•
								H				

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

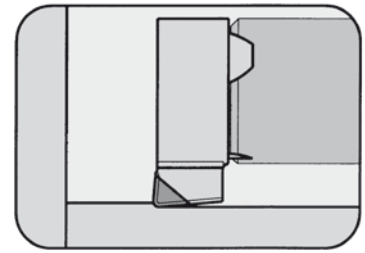
Dimensions in inch

State R or L version

The modified geometry allows boring of bores $\geq \text{Ø} .433''$ and profiling of reliefs as per DIN 509 form

INSERT Type

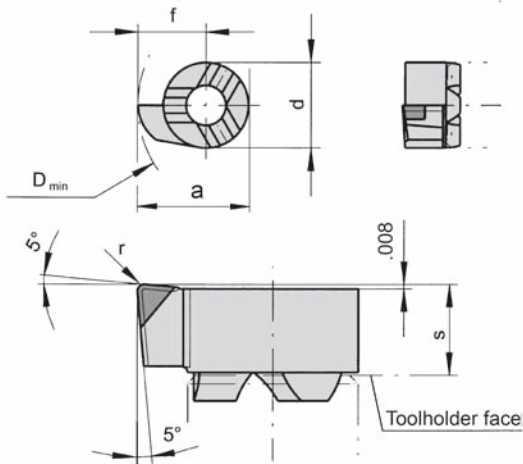
111



Bore Ø from .394"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

CBN tipped

Part number	r	s	f	a	d	D _{min}	CB10
R111.0557.03.B	.012	.156	.224	.382	.315	.394	▲
R111.0567.03.B	.012	.156	.264	.421	.315	.433	▲

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

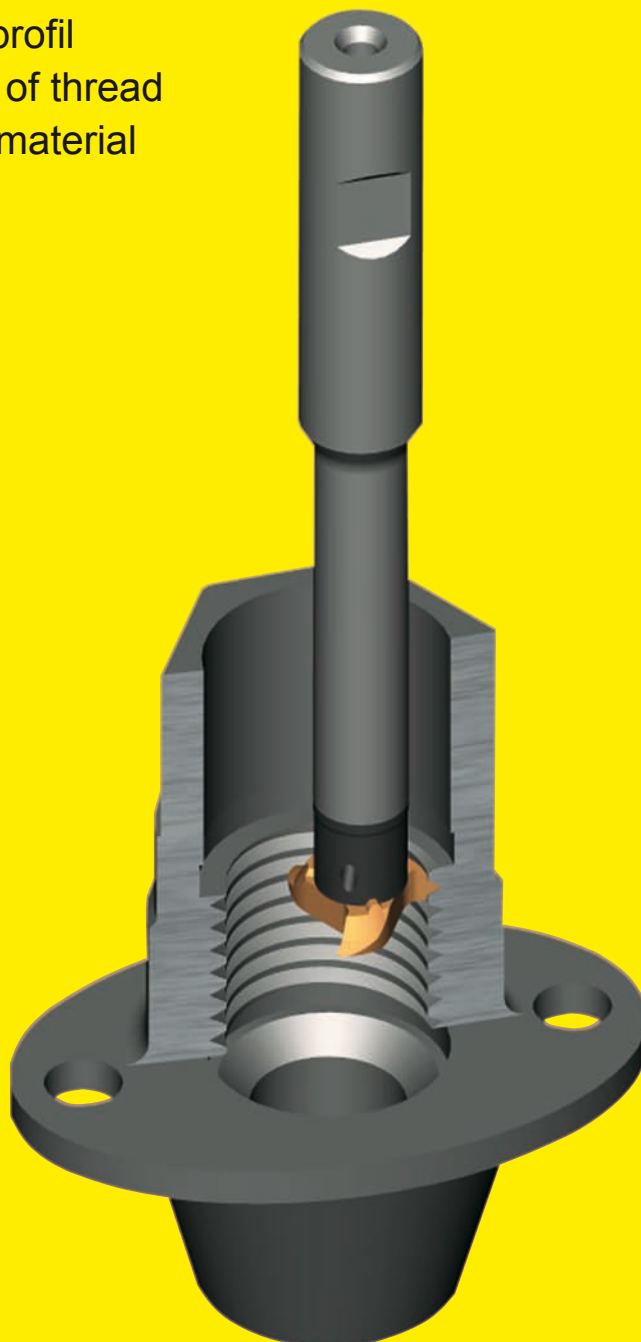
Dimensions in inch

P	■
M	■
K	■
S	■
N	■
H	●

Carbide grades

Thread milling (by circular interpolation)

- high cylindricity
- constant milled profil
- simple checking of thread
- in high strength material



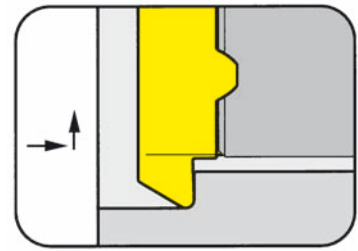
For further information please see HORN catalog "CARBIDE MILLING TOOLS".

BACKBORING (internal)



INSERT Type

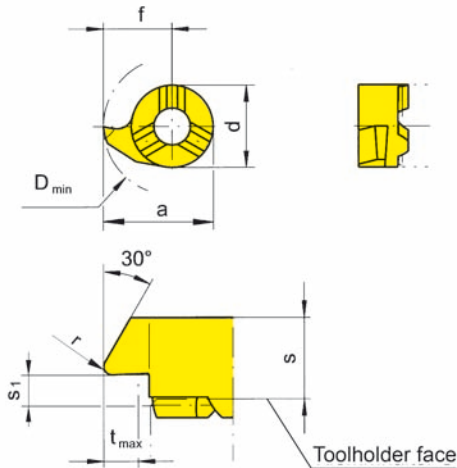
111



Bore Ø from .433"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Part number	r	s ₁	s	f	a	d	t _{max}	D _{min}	Carbide grades				
									MG12	TN35	TI25	TF45	TH35
R/L111.3067.02	.008	.055	.163	.264	.421	.315	.091	.433		▲/▲			▲/▲
R/L111.3067.04	.016	.055	.163	.264	.421	.315	.091	.433		/▲			▲/▲
									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

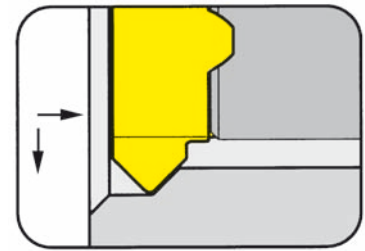
Carbide grades

CHAMFERING and BACKBORING (internal)



INSERT Type

111

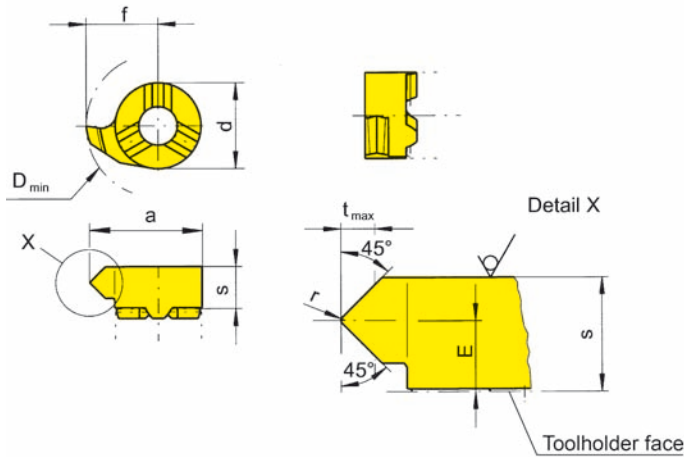


Bore Ø from .433"

for use with Toolholder

Type 125
B111
BU111

E



R = right hand version shown

L = left hand version

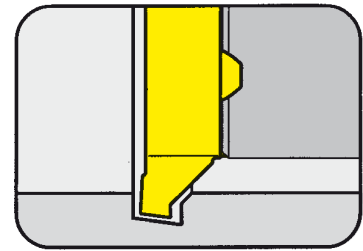
Part number	E	r	s	f	a	d	t _{max}	D _{min}	Carbide grades					
									MG12	TN35	TI25	TF45	TH35	
R/L111.4545.02	.094	.008	.163	.264	.421	.315	.059	.433		▲/▲				
▲ on stock Δ 4 weeks														
● main recommendation														
○ alternative recommendation														
□ uncoated grades														
■ coated grades														
■ brazed/Cermet														
P											●			
M											●			
K											●			
S											●			
N											●			
H														

Dimensions in inch

State R or L version

INSERT Type

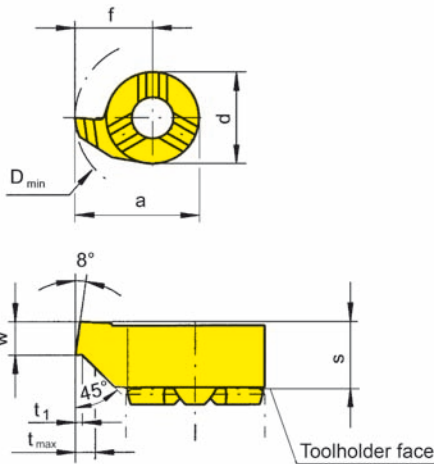
111



Bore Ø from .433"

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Part number	w	s	f	a	d	t ₁	t _{max}	D _{min}	MG12	TN35	TI25	TF45	TH35
R/L111.0810.45	.039	.156	.264	.421	.315	.008	.059	.433	▲/▲		▲/▲		
▲ on stock Δ 4 weeks									P	○	●		
● main recommendation									M	●	●		
○ alternative recommendation									K	●	●		
□ uncoated grades									S	●	●		
■ coated grades									N	●	●		
■ brazed/Cermet									H				

Carbide grades

Dimensions in inch

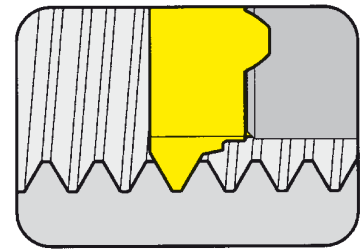
State R or L version

THREADING (internal) Partial profile



INSERT Type

111

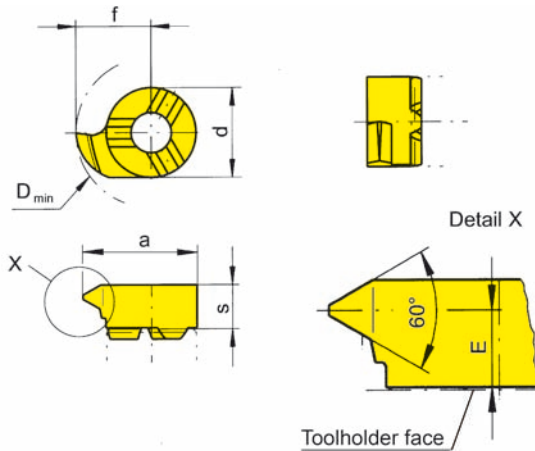


Bore Ø from Pitch .433" (11.0 mm)
2.0 - 2.5 mm

for use with Toolholder

Type 125
B111
BU111

E



R = right hand version shown

L = left hand version

Metric ISO standard thread

Part number	P	E	s	f	a	d	D _{min}	Carbide grades					
								MG12	TN35	Ti25	TF45	TH35	
R/L111.1020.01	2.0	3.0	4.15	6.7	10.7	8	11		▲/▲				▲/▲
R/L111.1325.01	2.5	2.8	4.15	6.7	10.7	8	11	▲/▲	▲/▲				▲/▲
								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 mm

State R or L version

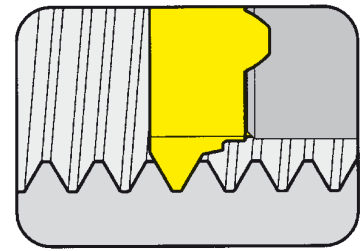
Carbide grades

THREADING (internal) Partial profile



INSERT Type

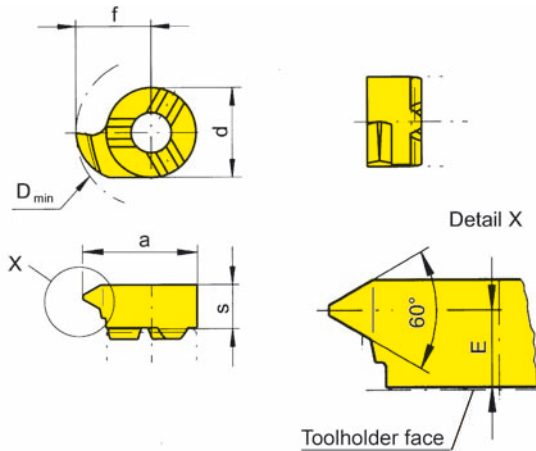
111



Bore Ø from Pitch .433" (11.0 mm)
0.50 - 1.75 mm

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Metric ISO fine thread

Part number	P	P _{max}	E	s	f	a	d	D _{min}	Carbide grades					
									MG12	TN35	TI25	TF45	TH35	
R/L111.0205.01	0.5	0.75	3.5							▲/▲				▲/▲
R/L111.0510.01	1.0	1.25	3.3	4.15	6.7	10.7	8	11		▲/▲				▲/▲
R/L111.0815.01	1.5	1.75	3.3							▲/▲				▲/▲
										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

State R or L version

Carbide grades

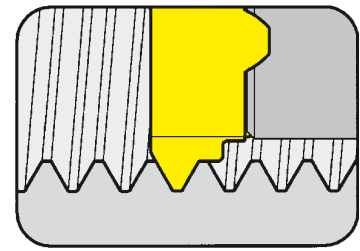


THREADING (internal) Full profile



INSERT Type

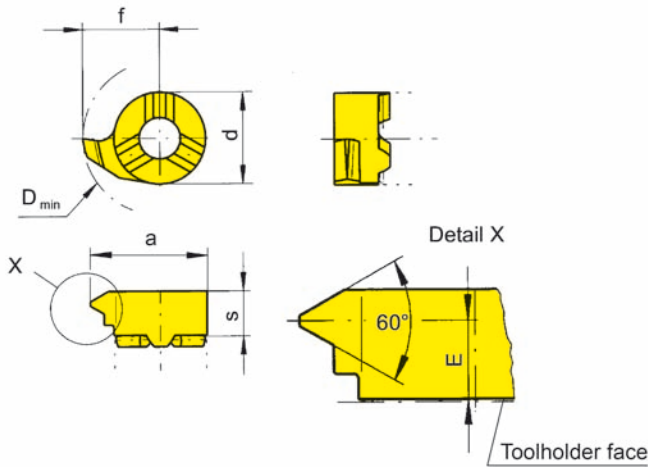
111



Bore Ø from Pitch .433" (11.0 mm)
2.0 - 3.0 mm

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Metric ISO standard thread

Part number	P	E	s	f	a	d	D _{min}	Carbide grades						
								MG12	TN35	TI25	TF45	TH35		
R/L111.1020.02	2.0	3.0							▲/▲					
R/L111.1325.02	2.5	2.8	4.15	6.7	10.7	8	11		▲/▲					
R/L111.1630.02	3.0	2.8							▲/▲					
									●	●	●	●	●	●
									○	○	○	○	○	○
									■	■	■	■	■	■
									■	■	■	■	■	■
									■	■	■	■	■	■
									■	■	■	■	■	■

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

Dimensions in mm

State R or L version

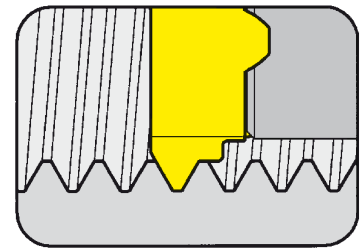
Carbide grades

THREADING (internal) Full profile



INSERT Type

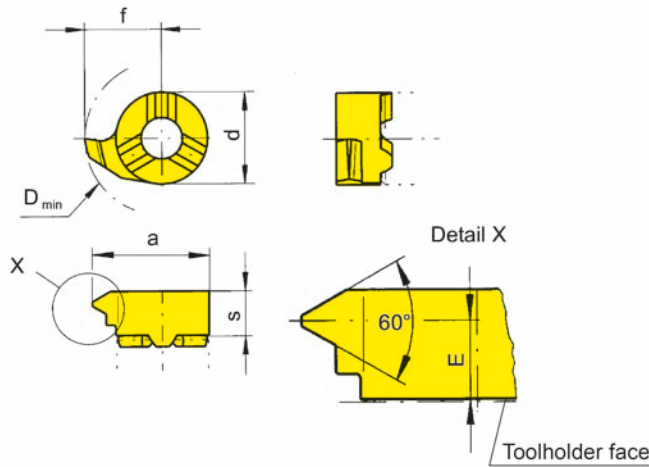
111



Bore Ø from Pitch .433" (11.0 mm)
1.0 - 1.5 mm

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Metric ISO fine thread

Part number	P	E	s	f	a	d	D _{min}	Carbide grades					
								MG12	TN35	TI25	TF45	TH35	
R/L111.0510.02	1.0	3.3	4.15	6.7	10.7	8	11		▲/▲				
R/L111.0815.02	1.5							▲/▲					
								○	●	●	●	●	
								●	●				
								●	●				
								●	●				
								●	●				
								●	●				

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

Dimensions in mm

State R or L version

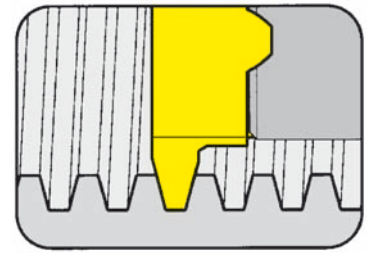
Carbide grades

THREADING (internal) Partial profile



INSERT Type

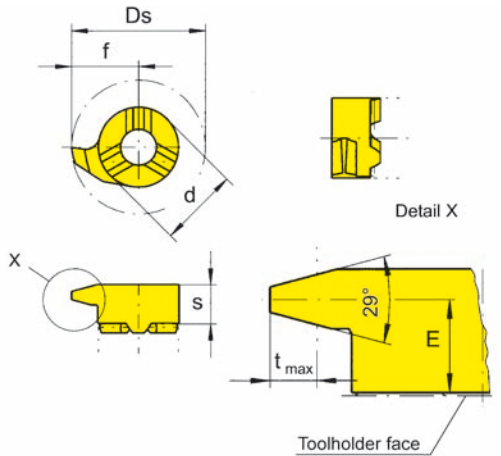
U111



Bore Ø from Threads per inch .433"
5 - 10

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

ACME / Stub ACME thread

Part number	Threads per Inch	E	s	f	a	d	D _{min}	Carbide grades				
								MG12	TN35	TI25	TF45	TH35
R/LU111.AC06.01	6	.106	.163	.264	.421	.315	.433	▲/▲	▲/▲			
R/LU111.AC08.01	8	.119	.163	.264	.421	.315	.433	▲/▲	▲/▲			
R/LU111.SA05.01	5	.098							Δ/			
R/LU111.SA06.01	6	.110							▲/Δ			
R/LU111.SA08.01	8	.112	.163	.264	.421	.315	.433		▲/▲			
R/LU111.SA10.01	10	.126							▲/▲			
								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

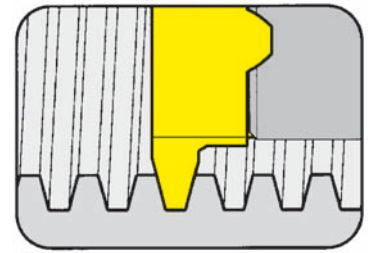
Carbide grades

THREADING (internal) Partial profile



INSERT Type

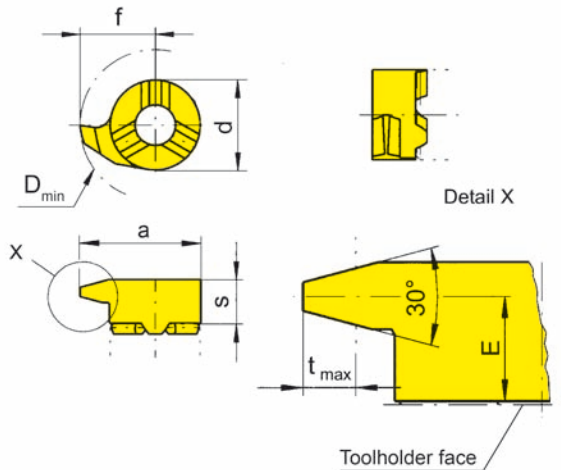
111



Bore Ø from Pitch .433" (11.0 mm)
1.5 - 4.0 mm

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Metric ISO trapezoidal thread DIN 103

Part number	P	E	s	f	a	d	D _{min}	Carbide grades				
								MG12	TN35	TI25	TF45	TH35
R/L111.1015.01	1.5	3.5						▲/△				
R/L111.1220.01	2.0	3.3						▲/▲				
R/L111.1730.01	3.0	3.0	4.15	6.7	10.7	8	11	▲/△	▲/▲			
R/L111.2240.01	4.0	2.5						▲/▲				
								P	○	●		
								M	●	●		
								K	●	●		
								S	●	●		
								N	●	●		
								H				

- ▲ on stock △ 4 weeks
- main recommendation
- alternative recommendation
- uncoated grades
- coated grades
- brazed/Cermet

Dimensions in mm

State R or L version

Carbide grades

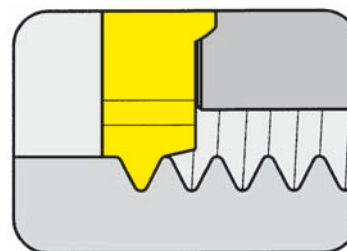


THREADING (internal) Full profile



INSERT Type

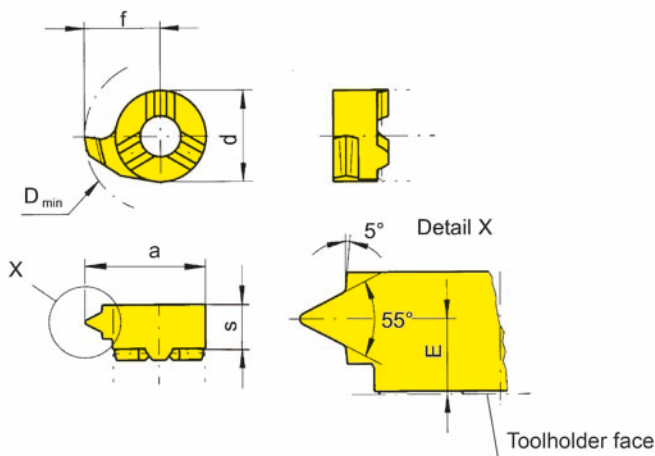
111



Bore Ø from	.433"
Threads per inch	14/19

for use with Toolholder

Type 125
B111
BU111



R = right hand version shown

L = left hand version

Whitworth pipe thread as per
DIN ISO 228; (259) and
2999

Part number	Threads per Inch	P	E	s	f	a	d	D _{min}	Carbide grades					
									MG12	TN35	TI25	TF45	TH35	
R/L111.5514.02	14	1.814	.098	.163	.264	.421	.315	.433		▲/▲				
R/L111.5519.02	19	1.337	.114	.163	.264	.421	.315	.433		▲/▲				
									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