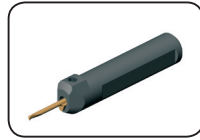


Supermini® HM-SCHNEIDWERKZEUGE

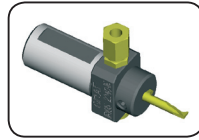
Supermini® CARBIDE GROOVING TOOLS

Typ
type **105**

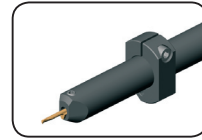
Haltersysteme
Toolholder system



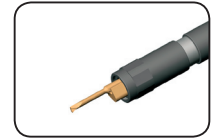
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A2-A10



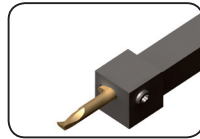
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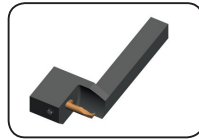
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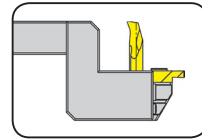
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A14



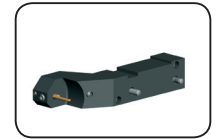
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A15



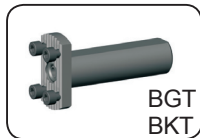
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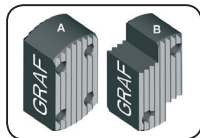
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A22-A23



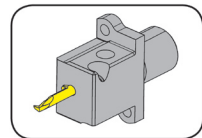
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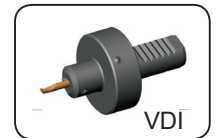
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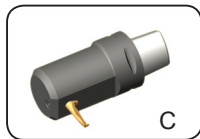
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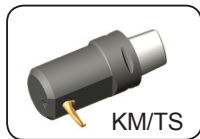
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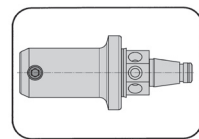
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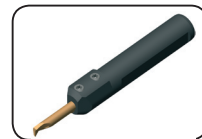
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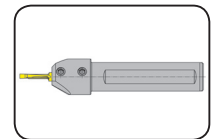
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A52-A57



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A58

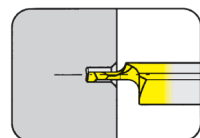


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A102

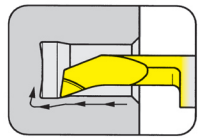


Seite/Page
A105
axial / axial

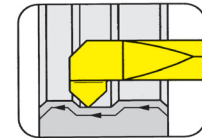
105
≥ Ø 0,2 mm
Schneidplatten
Inserts



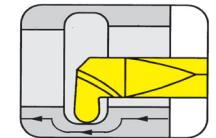
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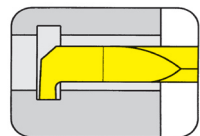
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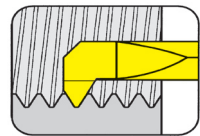
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A75



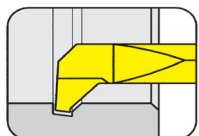
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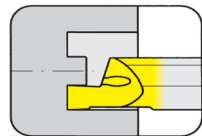
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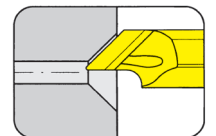
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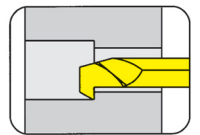
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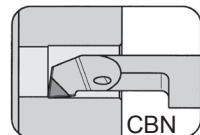
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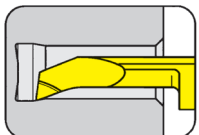
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A99



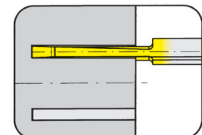
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A100



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A101



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A104
(verlängerter Spannschaft)
(increased clamping shank)



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axial
axial

Technische Hinweise
Technical Instructions

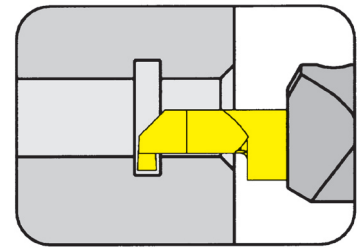
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Page **N2-N8**

KLEMMHALTER Typ

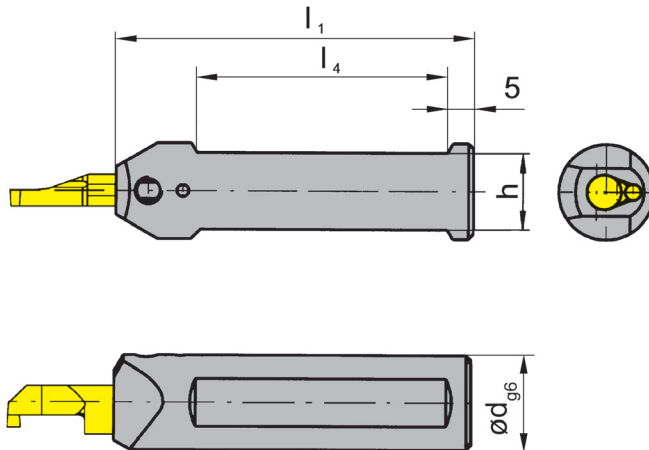
TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

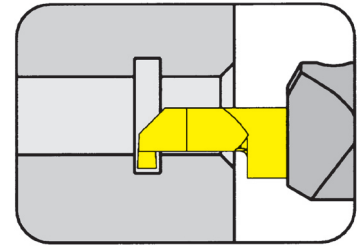
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.00... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

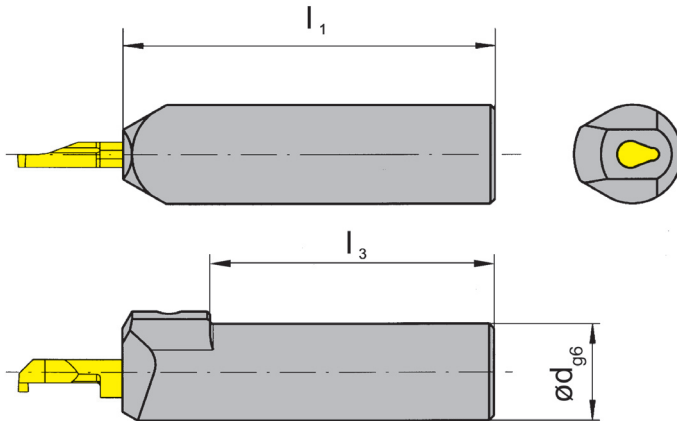
TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

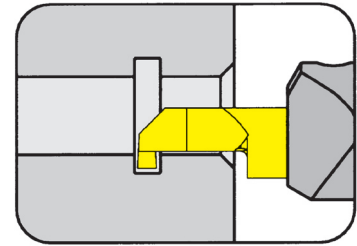
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.001... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

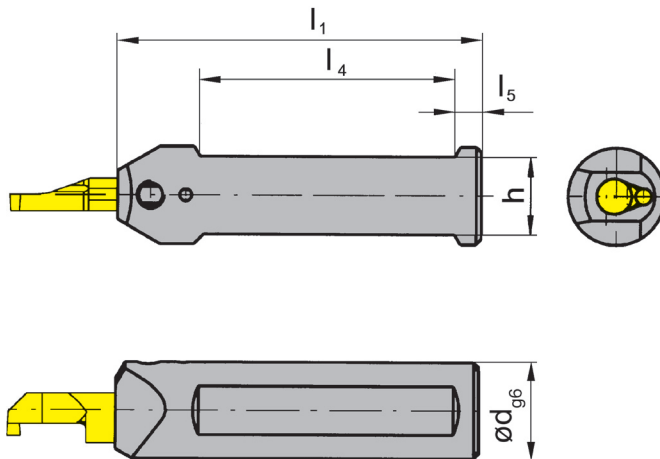
TOOLHOLDER Type

B105/BU105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | h | l ₄ | l ₅ | Bemerkung 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 | ** |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm und Zoll
Dimensions in mm and inch

** Kühlmittelanschluss M12x1,5 für TRAUB

** Adapter of cooling M12x1,5 for Traub

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

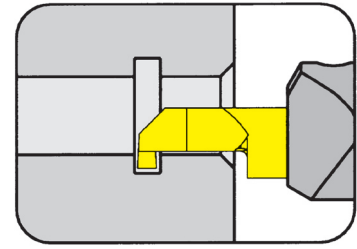
| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| B... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe | Depth of groove | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

für Schneidplatte
for use with Insert

Typ 105
Type

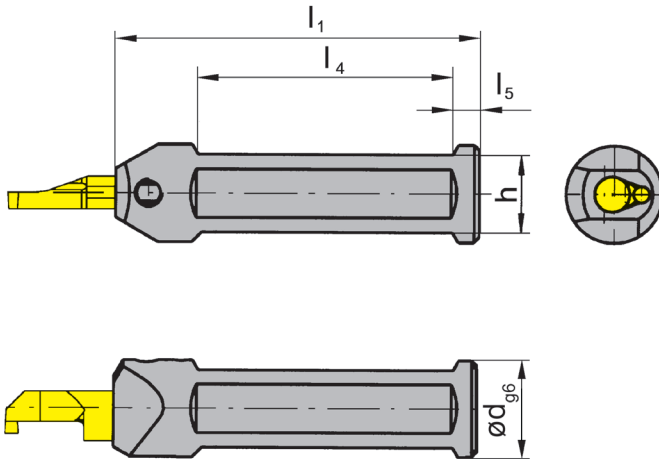


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | h | l ₄ | l ₅ |
|------------------------------|----|----------------|----|----------------|----------------|
| B105.0022.1.2.01 | 22 | 120 | 20 | 72 | 5 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.0022.1.2.01 | 6.075T15P | T15PQ |

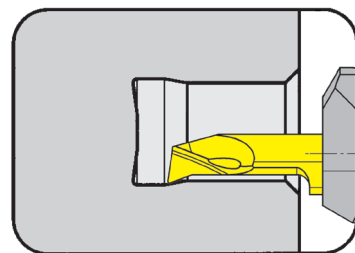
KLEMMHALTER Typ

TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply

| | | |
|---------------|-----------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe | Depth of groove | 2,5 mm |
| Stechbreite | Width of groove | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type

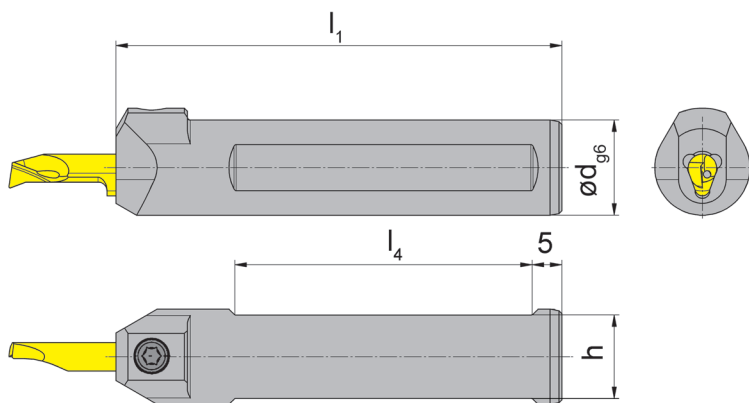


Abbildung = rechtsschneidend
Picture = right hand cutting version

mit zusätzlichen
Spülbohrungen
with additional through coolant
bores

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

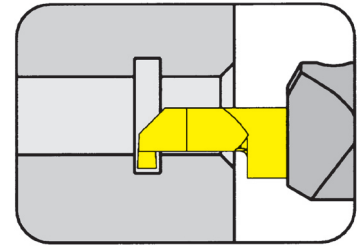
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.00... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

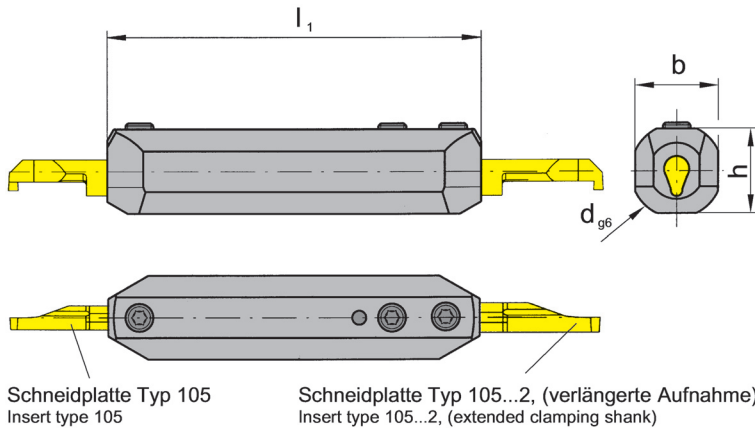
TOOLHOLDER Type

B105

ohne Kühlmittelzufuhr
no coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type 105...2

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | h | b |
|------------------------------|----|----------------|----|----|
| B105.0020.1.03 | 20 | 80 | 18 | 18 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

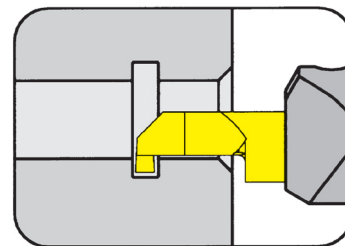
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.0020.1.03 | 6.075T15P | T15PQ |

KLEMMHALTER Typ

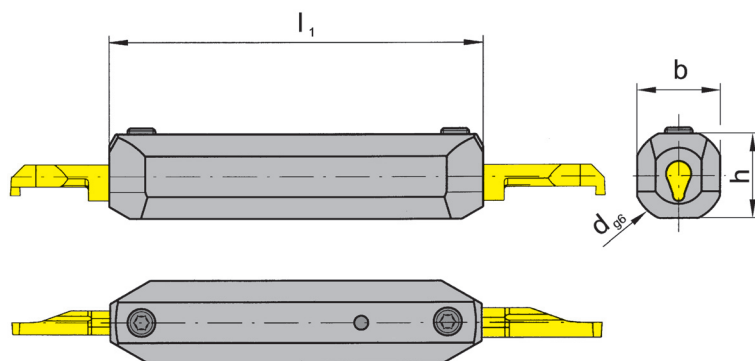
TOOLHOLDER Type

B105

ohne Kühlmittelzufuhr
no coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | h | b |
|------------------------------|----|----------------|----|----|
| B105.0022.2.1.01 | 22 | 80 | 20 | 20 |
| B105.0022.2.2.01 | 22 | 120 | 20 | 20 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

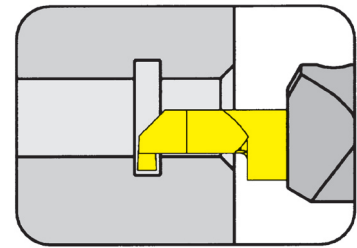
| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| B105.0022.2.... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|---------------|-----------------|------------|
| Bohrungs-Ø ab | Bore Ø from | 0,2/6,0 mm |
| Stechtiefe | Depth of groove | 2,5/4,0 mm |
| Stechbreite | Width of groove | 2,0/3,0 mm |

für Schneidplatte
for use with Insert

Typ 105
Type 110

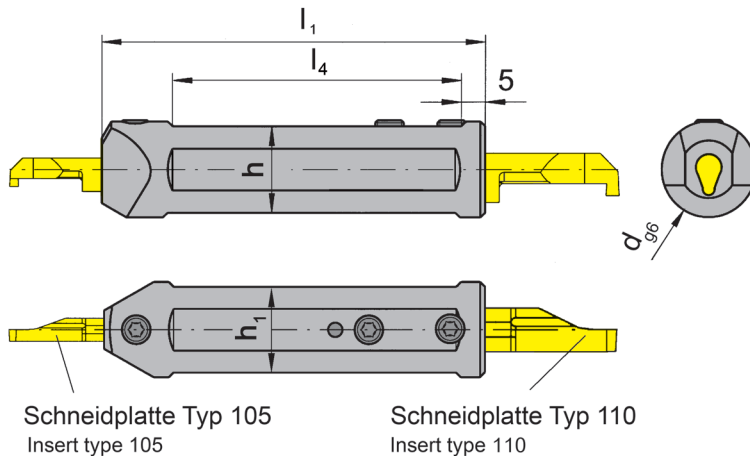


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | h | h ₁ | l ₄ |
|------------------------------|----|----------------|----|----------------|----------------|
| B105.0020.1.10 | 20 | 80 | 18 | 18 | 60 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.0020.1.10 | 6.075T15P | T15PQ |

GRUNDHALTER GRAF Typ

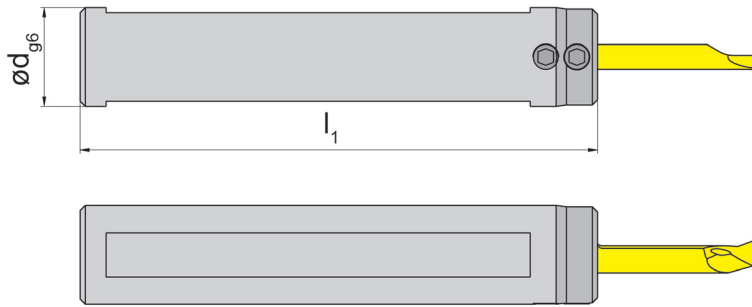
BASIC TOOLHOLDER GRAF Type

IR105

mit innerer Kühlmittelzufuhr
with through coolant supply



Bohrungs-Ø ab Bore Ø from 0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type

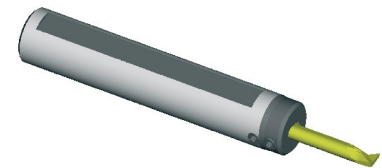


Abbildung = rechtsschneidend
Picture = right hand cutting version shown

| Bestellnummer Part number | d | l ₁ | Maschinentyp 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 | |

Hinweis:

Der Kühlmittelanschluss gehört nicht zum Lieferumfang. Bitte separat bestellen!

Note:

Coolant supply must be ordered separately!

Abmessungen in mm und Zoll
Dimensions in mm and inch

Weitere Abmessungen auf Anfrage
Further sizes upon request

Ersatzteile

Spare parts

| Grundhalter Graf Basic toolholder Graf | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---|------------------------|---|
| IR105.... | 6.075T15P | T15PQ |

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For the locking torque of the screws please see the Technical Instructions.

EINBAUHALTER GRAF Typ

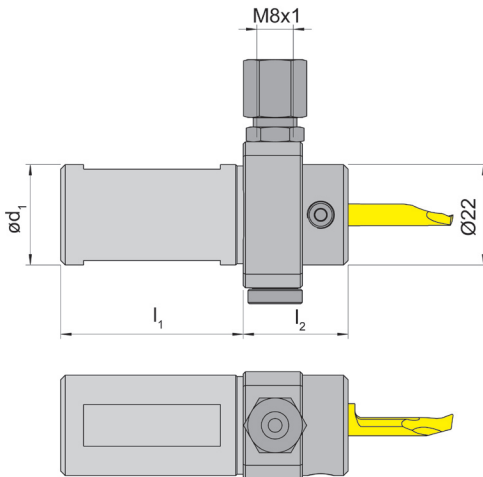
CARTRIDGE GRAF Type

IR105

mit innerer Kühlmittelzufuhr
with through coolant supply



Bohrungs-Ø ab Bore Ø from 0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type

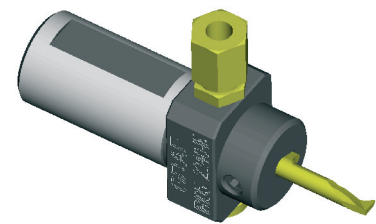


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer 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" |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm und Zoll
Dimensions in mm and inch

Hinweis:

Der Kühlmittelanschluss gehört nicht zum Lieferumfang. Bitte separat bestellen!

Note:

Coolant supply must be ordered separately!

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Einbauhalter Graf Cartridge Graf | Kühlmittelanschluss Coolant supply | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|-------------------------------------|---------------------------------------|------------------------|---|
| IR105.... | 004.00.19 | 6.075T15P | T15PQ |

DOPPELSPANNZANGENHALTER Typ

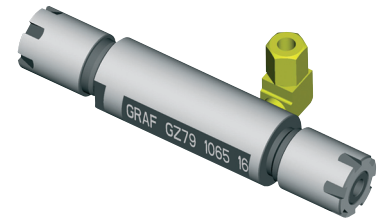
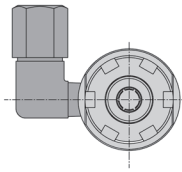
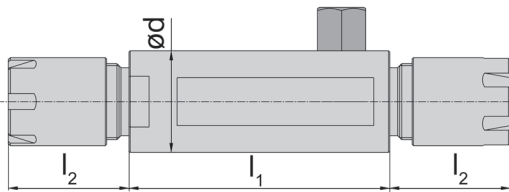
DOUBLE CHUCK HOLDERS Type

GZ79

mit innerer Kühlmittelzufuhr
with through coolant supply



für ER-Spannzangen mit Spannmutter ER16
for chuck holders ER with chucking nuts ER16



| Bestellnummer Part number | d | l ₁ | l ₂ | Bemerkung Remark |
|------------------------------|-------|----------------|----------------|---------------------|
| GZ79.3470.16 | 3/4" | 70 | 32 | ER16 |
| GZ79.2065.16 | 20,00 | 65 | 32 | ER16 |
| GZ79.22100.16 | 22,00 | 100 | 32 | ER16 |
| GZ79.2262.16 | 22,00 | 62 | 32 | ER16 |
| GZ79.2580.16 | 25,00 | 80 | 32 | ER16 |
| GZ79.1065.16 | 1" | 65 | 32 | ER16 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm und Zoll
Dimensions in mm and inch

Hinweis:

Der Kühlmittelanschluss gehört nicht zum Lieferumfang. Bitte separat bestellen!

Note:

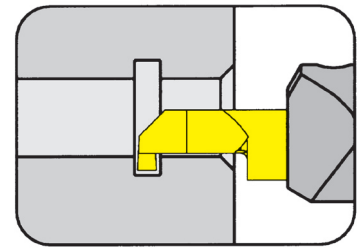
Coolant supply must be ordered separately!

KLEMMHALTER Typ

TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|---------------|-----------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe | Depth of groove | 2,5 mm |
| Stechbreite | Width of groove | 2,0 mm |

für Schneidplatte
for use with Insert

Typ 105
Type

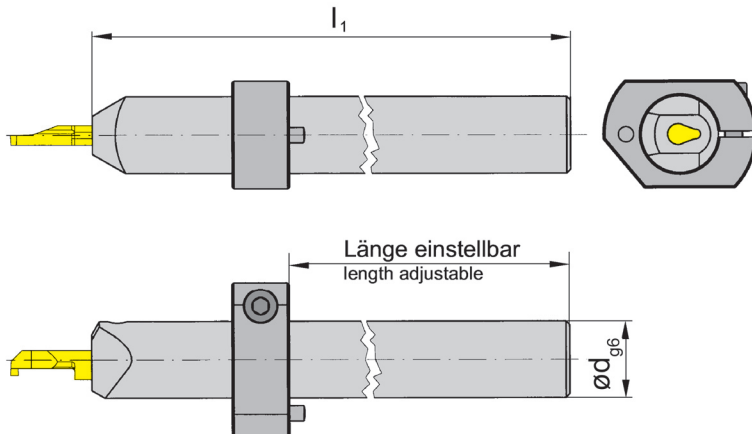


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ |
|------------------------------|----|----------------|
| B105.0020.2.01 | 20 | 150 |
| B105.0025.2.01 | 25 | 150 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

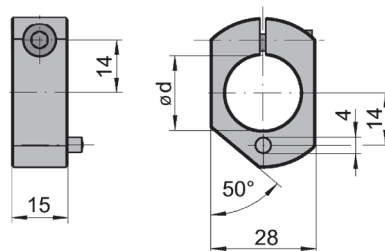
Toolholders can be used with right and left hand inserts.

Stelling ist nicht im Lieferumfang enthalten - bitte separat bestellen!

Adjusting ring is not included with toolholder - separate order required!

Stelling

Adjusting ring



| Bestellnummer "Stelling" Part number "Adjusting ring" | d | Maschinentyp Type of machine |
|--|----|---------------------------------|
| 020.0020.1665 | 20 | Tornos DECO |
| 020.0025.2234 | 25 | |

KLEMMHALTER Typ

TOOLHOLDER Type

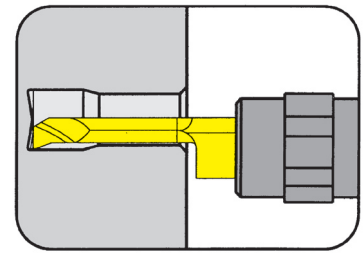
B105

mit innerer Kühlmittelzufuhr
with through coolant supply

Bohrungs-Ø ab

Bore Ø from

<3,0/>5,0 mm



für Schneidplatte
for use with Insert

Typ 105 ($\text{Ø} \leq 3,0$)

Type 105 ($\text{Ø} \geq 5,0$)

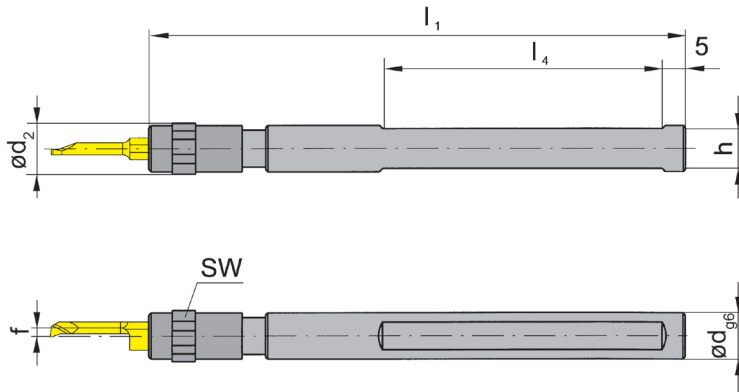


Abbildung = rechtsschneidend

Picture = right hand cutting version

| Bestellnummer Part number | d | l_1 | h | f | d_2 | l_4 | Bohrungsbereich Boring range | SW |
|------------------------------|----|-------|----|-----|-------|-------|---------------------------------|----|
| B105.0010.9.01 | 10 | 100 | 9 | 1,6 | 11 | 50 | * ≤ 3.0 | 10 |
| B105.0012.11.01 | 12 | 100 | 11 | 1,2 | 16 | 50 | * ≥ 5.0 | 13 |
| B105.0016.11.01 | 16 | | 15 | | | | | |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

* gilt nur für Standard-SP nach Katalog
* only valid for standard inserts

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

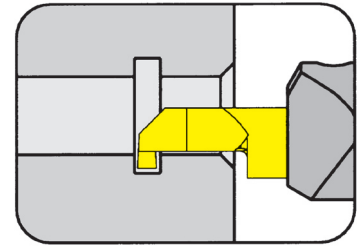
Ersatzteile

Spare parts

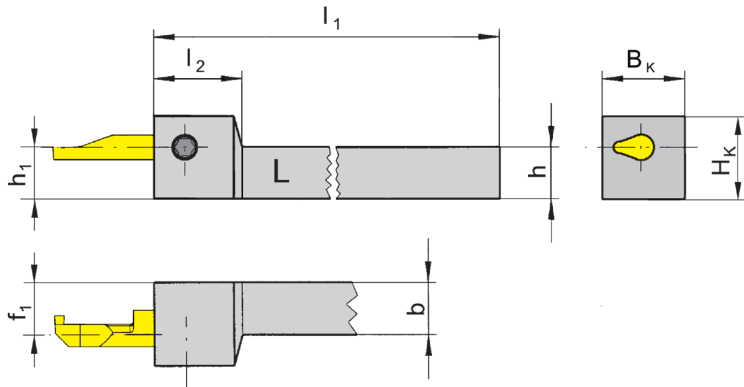
| Klemmhalter Toolholder | Spannmutter Chucking nut |
|---------------------------|-----------------------------|
| B105.0010.9.01 | 020.0010.1719 |
| B105.001...01 | 020.0016.1999 |

KLEMMHALTER Typ TOOLHOLDER Type

H105



Bohrungs-Ø ab Bore Ø from 0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer 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 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

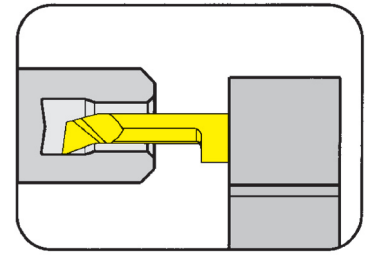
Ersatzteile Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| R/LH105.... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

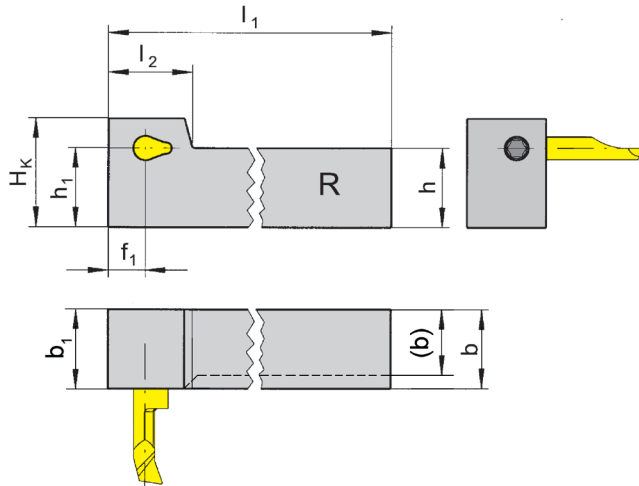
HC105



Bohrungs-Ø ab

Bore Ø from

0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 | 17 | 16 | 16 | 7,5 | 16 | 16 | 22 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

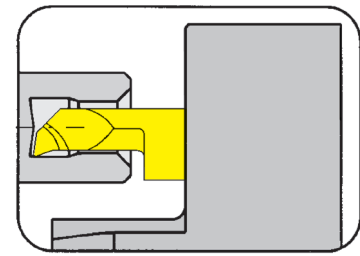
Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| R/LHC105.1... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

HC105

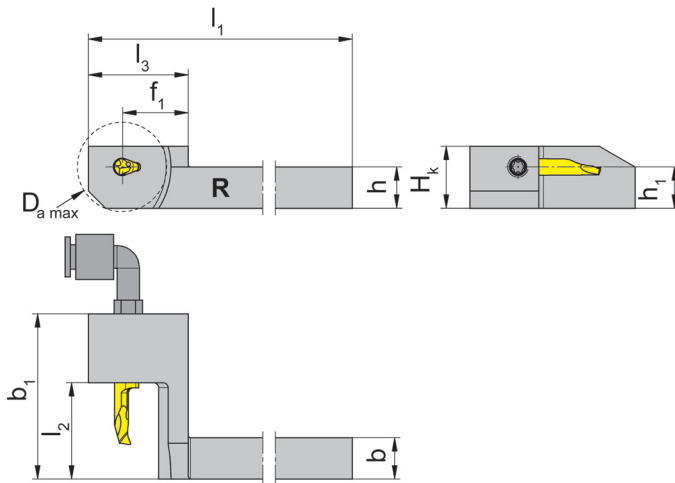


Bohrungs-Ø ab Bore Ø from 0,2 mm

Kühlmitteleinzufuhr über Winkelverschraubung
Coolant supply through cranked fitting

für Schneidplatte
for use with Insert

Typ 105
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | l_1 | l_2 | h | h_1 | f_1 | l_3 | b | b_1 | $D_{a\ max}$ | H_k | Bemerkung Remark |
|--------------------------------------|-------|----------|-----|-------|-------|-------|---------|--------------|--------------|-------|---------------------|
| R/LHC105.0707.21 | 99 | 18 | 7 | 7 | 19 | 29 | 7 | 32,0 | 26 | 13 | * |
| R/LHC105.0808.21 R/LHC105.0812.21 | 99 | 18 | 8 | 8 | 19 | 29 | 8 12 | 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 | |

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Hinweis:

* = ohne Kühlmittelzufuhr!

Note:

* = no through coolant supply!

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench | SMC Winkelverschraubung Screwed angle fitting |
|---------------------------|------------------------|---|--|
| R/LHC105...07./08... | 6.075T15P | T15PQ | - |
| RHC105...11 | 6.075T15P | T15PQ | - |
| R/LHC105.1...21/41 | 6.075T15P | T15PQ | KQ2L06-M5 |

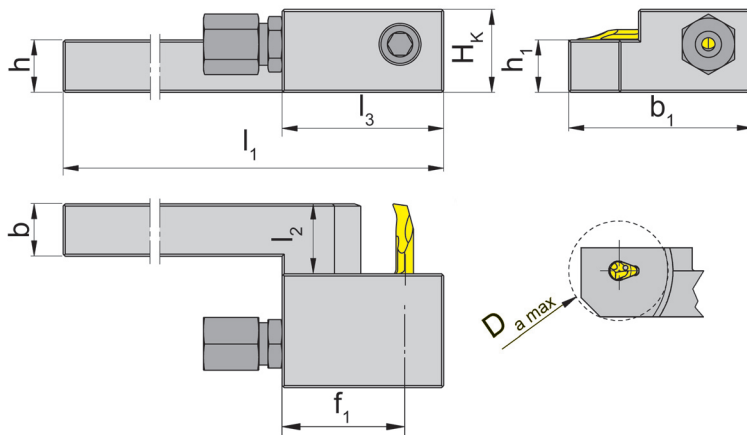
KLEMMHALTER Typ

TOOLHOLDER Type

962

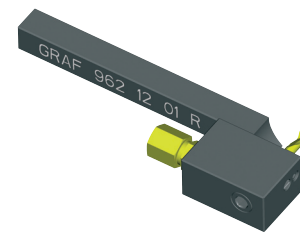
Bohrungs-Ø ab Bore Ø from 0,2 mm

Kühlmitteleinlass über Verschraubung
Coolant through fitting



für Schneidplatte
for use with Insert

Typ 105
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Hinweis:

Der Kühlmittelanschluss gehört nicht zum Lieferumfang. Bitte separat bestellen!

Note:

Coolant supply must be ordered separately!

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Kühlmittelanschluss Coolant supply | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|---------------------------------------|------------------------|---|
| 962.... | 004.00.14 (G1/8") | 6.075T15P | T15PQ |

KLEMMHALTER Typ

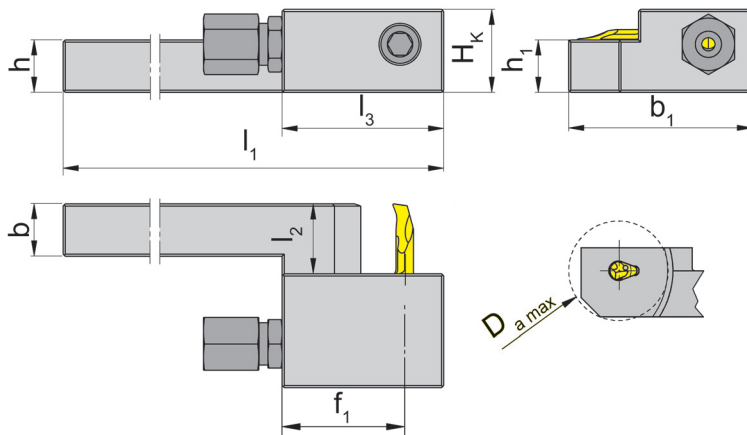
TOOLHOLDER Type

962



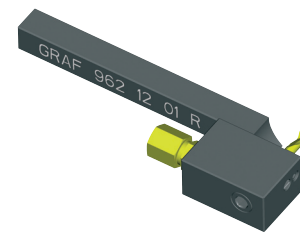
Bohrungs-Ø ab Bore Ø from 0,2 mm

Kühlmittelezufuhr über Verschraubung
Coolant through fitting



für Schneidplatte
for use with Insert

Typ 105
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Hinweis:

Der Kühlmittelanschluss gehört nicht zum Lieferumfang. Bitte separat bestellen!

Note:

Coolant supply must be ordered separately!

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Kühlmittelanschluss Coolant supply | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|---------------------------------------|------------------------|---|
| 962.... | 004.00.14 (G1/8") | 6.075T15P | T15PQ |

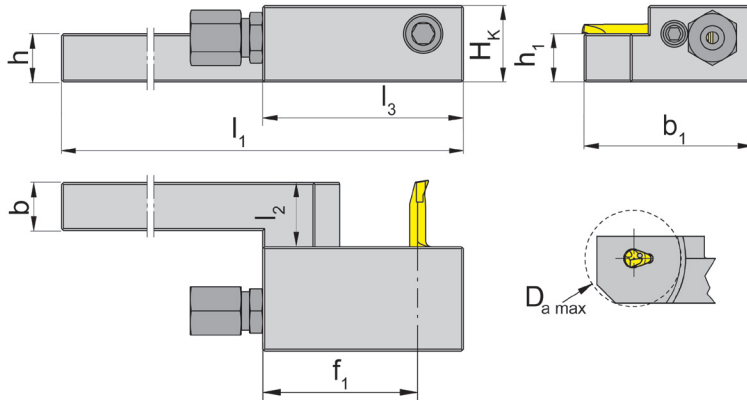
KLEMMHALTER Typ

TOOLHOLDER Type

963

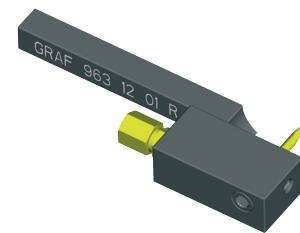
Bohrungs-Ø ab Bore Ø from 0,2 mm

Kühlmittelzufuhr über Verschraubung
Coolant through fitting



für Schneidplatte
for use with Insert

Typ 105
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Hinweis:

Der Kühlmittelanschluss gehört nicht zum Lieferumfang. Bitte separat bestellen!

Note:

Coolant supply must be ordered separately!

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

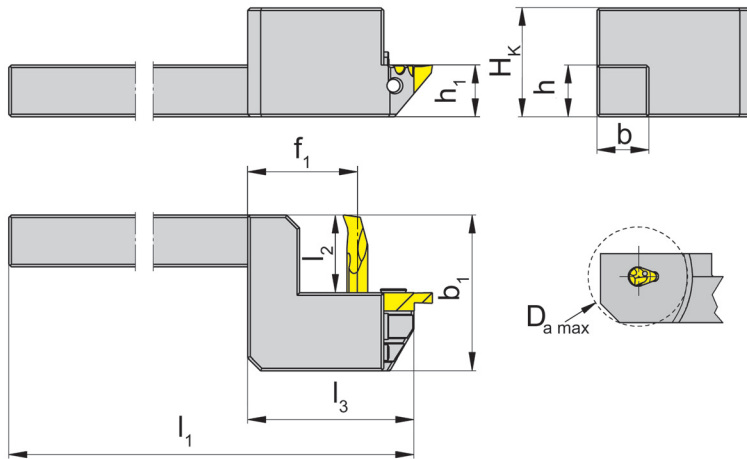
| Klemmhalter Toolholder | Kühlmittelanschluss Coolant supply | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|---------------------------------------|------------------------|---|
| 963.... | 004.00.14 (G1/8") | 6.075T15P | T15PQ |

KLEMMHALTER Typ TOOLHOLDER Type

AIH



Bohrungs-Ø ab Bore Ø from 0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type S274

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Hinweis:

* Diese Halter sind bestückbar mit HORN-Platten Typ 105 und S274

** Diese Halter sind bestückbar mit HORN-Platten Typ 105 und Graf Wendeschneidplatten CS08

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

Weitere Abmessungen auf Anfrage

Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

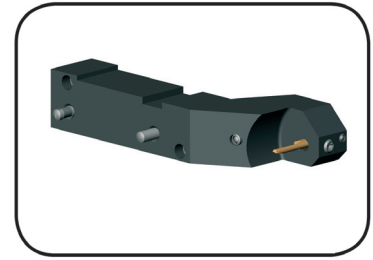
Spare parts

| Klemmhalter Toolholder | Schraube Screw | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|-------------------|------------------------|---|
| AIH.... | 030.3509.T15P | 6.075T15P | T15PQ |

GRUNDHALTER Typ

BASIC TOOLHOLDER Type

HC105

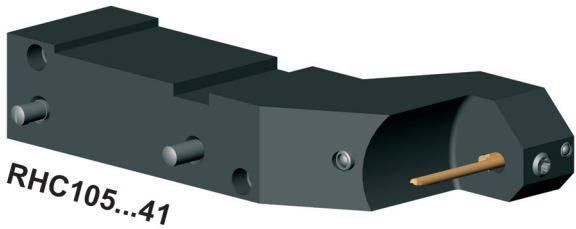
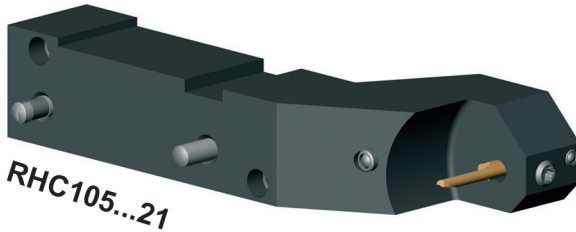


Bohrungs-Ø ab Bore Ø from 0,2 mm

Werkzeug für Tornos DECO2000
Tool for Tornos DECO2000

für Schneidplatte
for use with Insert

Typ 105
Type



| Bestellnummer Part number | Maschinentyp Type of machine | Schneidplatte Insert |
|------------------------------|---------------------------------|--|
| RHC105.0710.21 | DECO 7/10 | 105...21 $\frac{1}{2}$ bis/up to 15 mm |
| RHC105.0710.41 | | 105...41 $\frac{1}{2}$ bis/up to 25 mm |

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

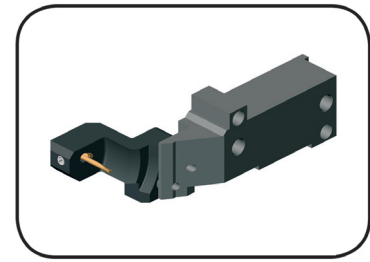
Spare parts

| Grundhalter Basic toolholder | Zylinderstift Pin | Spann- schraube Screw | Zylinder- schraube Cylindrical Screw | TORX PLUS®- Schlüssel TORX PLUS® Wrench | SMC Winkel- verschraubung Screwed angle fitting | Zylinderstift Pin |
|---------------------------------|----------------------|-----------------------------|---|--|--|----------------------|
| RHC105.0710.... | 020.0518.1610 | 6.075T15P | DIN912-M5x45 | T15PQ | KQ2L06-M5 | DIN6325-5H6x20 |

GRUNDHALTER Typ

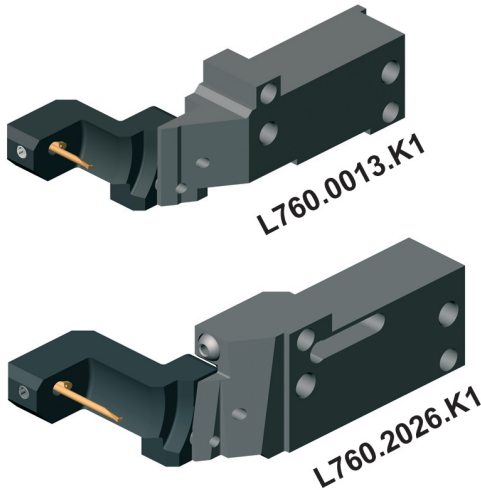
BASIC TOOLHOLDER Type

L760



| | | |
|---------------|-------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
|---------------|-------------|--------|

Werkzeug für Tornos DECO2000
Tool for Tornos DECO2000



für Kassette
for use with Cassette

Typ RKC760
Type

| Bestellnummer Part number | Maschinentyp Type of machine | Kassette Cassette | Schneidplatte Insert |
|------------------------------|---------------------------------|----------------------|--|
| L760.0013.K1 | DECO13 | RKC760.0105.21 | 105...21 l ₂ bis/up to 15 mm |
| L760.2026.K1 | DECO20/26 | RKC760.0105.41 | 105...41 l ₂ bis/up to 25 mm |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Ersatzteile

Spare parts

| Grundhalter Basic toolholder | Zylinderschraube Cylindrical Screw | Inbus-Schlüssel Wrench | Kugelspritzdüse Coolant spray nozzle |
|---------------------------------|--|--|---|
| L760.0013.K1 L760.2026.K1 | DIN7984-M16x35 DIN7984-M16x35 | SW5,0DIN911 SW5,0DIN911 | 05.032.902 |

GRUNDHALTER Typ

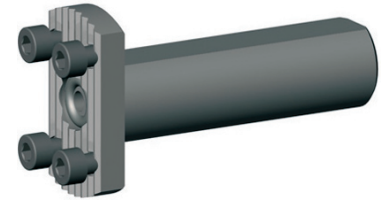
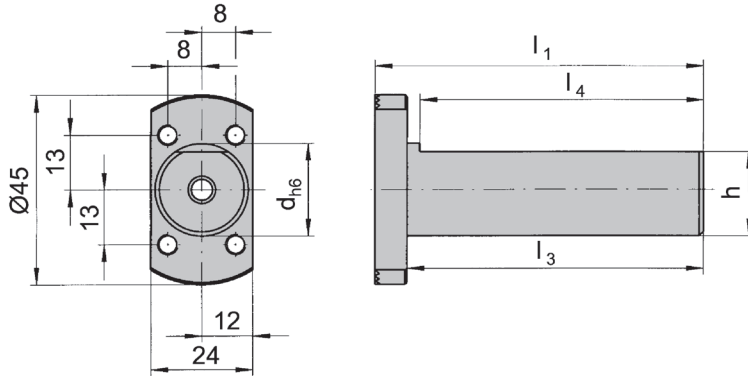
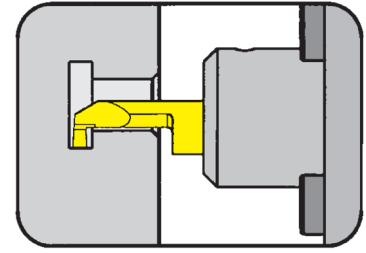
BASIC TOOLHOLDER Type

BGT

ohne Einbauhalter
without cartridge

Verstellbare Rundschäfte für Halter BKT105.2445.01/02
Adjustable round shanks for toolholder BKT105.2445.01/02

mit innerer Kühlmittelzufuhr
with through coolant supply



| Bestellnummer Part number | d | l ₁ | h | l ₃ | l ₄ | Hersteller Manufacturer |
|--|----|----------------|----|----------------|----------------|----------------------------|
| 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Hinweis:

BGT001.0022.30 ohne innere Kühlmittelzufuhr

Note:

BGT001.0022.30 without through coolant supply

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

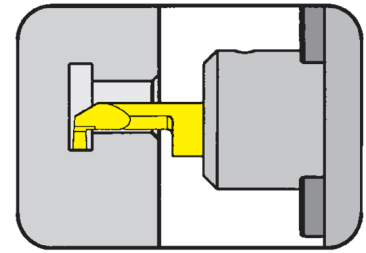
| Grundhalter Basic toolholder | Befestigungsschraube Fixing screw | Inbus-Schlüssel Wrench | O-Ring O-ring |
|---------------------------------|--------------------------------------|---------------------------|--------------------|
| BGT001.0... | DIN912-M5x10 | SW4,0DIN911 | DIN3770-7x3 |

GRUNDHALTER Typ

BASIC TOOLHOLDER Type

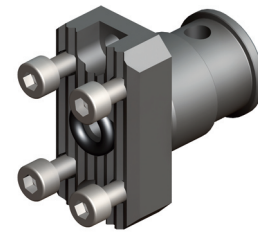
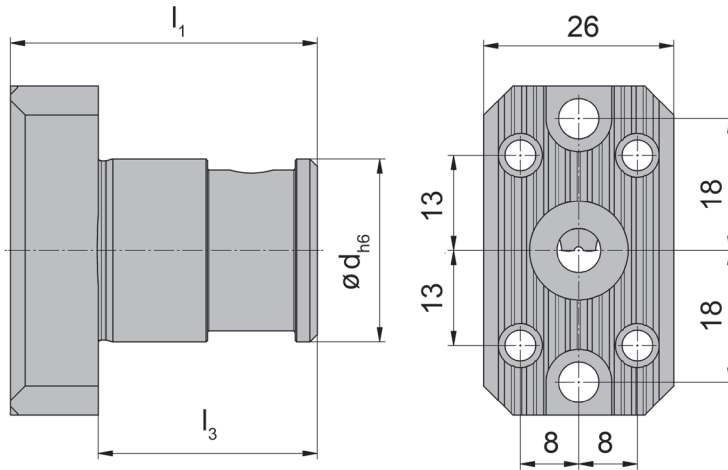
BGT

ohne Einbauhalter
without cartridge



Verstellbare Rundschäfte für Halter BKT105.2445.01/02
Adjustable round shanks for toolholder BKT105.2445.01/02

mit innerer Kühlmittelzufuhr
with through coolant supply



| Bestellnummer Part number | d | l ₁ | l ₃ | Hersteller Manufacturer |
|------------------------------|----|----------------|----------------|----------------------------|
| BGT001.C025.30IK | 25 | 42 | 30 | Citizen L20X |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

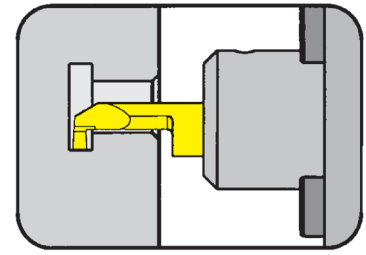
| Grundhalter Basic toolholder | Zylinderschraube Cylindrical Screw | Inbus-Schlüssel Wrench | O-Ring O-ring |
|---------------------------------|---------------------------------------|---------------------------|--------------------|
| BGT001.C025.30IK | DIN912-M5x14 | SW4,0DIN911 | DIN3770-7x3 |

EINSTELLBARE HALTER Typ **BKT**

ADJUSTABLE HOLDER Type

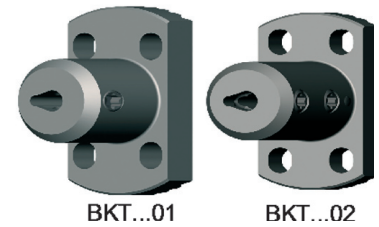
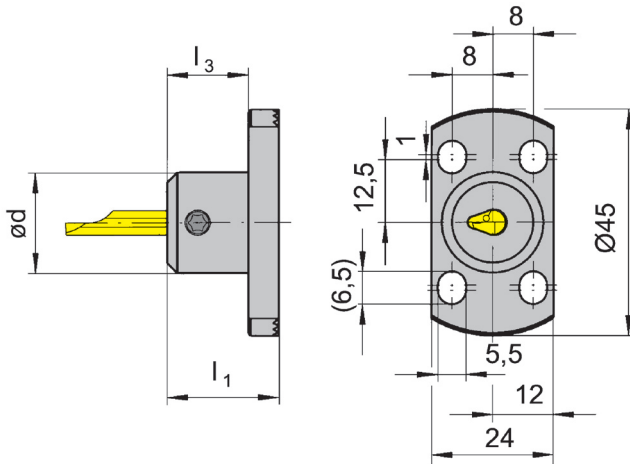
| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

mit innerer Kühlmittelzufuhr
with through coolant supply



für Schneidplatte
for use with Insert

Typ 105
Type



| Bestellnummer Part number | d | l ₁ | l ₃ |
|------------------------------|----|----------------|----------------|
| BKT105.2445.01 | 20 | 22 | 16 |
| BKT105.2445.02 | | 32 | 26 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

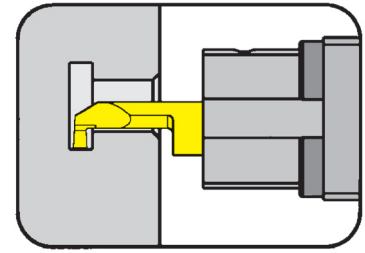
| | | |
|--|------------------------|---|
| Einstellbare Halter Adjustable holder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| BKT105.2445.0... | 6.075T15P | T15PQ |

GRUNDHALTER Typ

BASIC TOOLHOLDER Type

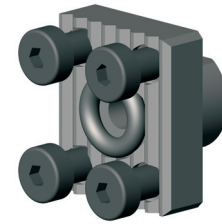
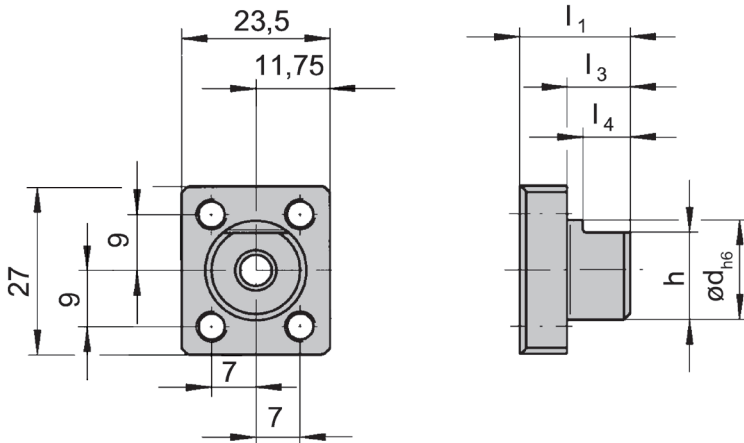
BGT

ohne Einbauhalter
without cartridge



Verstellbare Rundschäfte für Halter BKT105.2327.01
Adjustable round shanks for toolholder BKT105.2327.01

mit innerer Kühlmittelzufuhr
with through coolant supply



| Bestellnummer Part number | d | l ₁ | h | l ₃ | l ₄ | Hersteller Manufacturer |
|------------------------------|----|----------------|----|----------------|----------------|----------------------------|
| BGT001.1627.10 | 16 | 17,5 | 14 | 10 | 7,5 | Star |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Grundhalter Basic toolholder | Befestigungsschraube Fixing screw | Inbus-Schlüssel Wrench | O-Ring O-ring |
|---------------------------------|--------------------------------------|---------------------------|--------------------|
| BGT001.1627.10 | DIN912-M5x10 | SW4,0DIN911 | DIN3770-7x3 |

GRUNDHALTER Typ

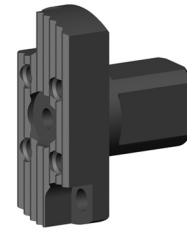
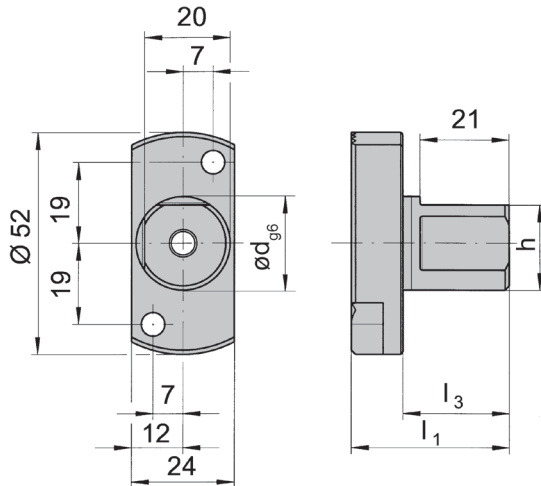
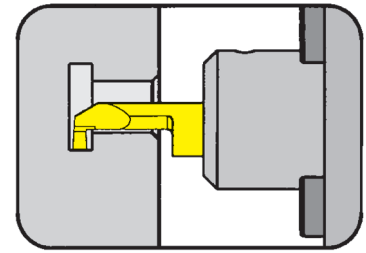
BASIC TOOLHOLDER Type

BGT

ohne Einbauhalter
without cartridge

Verstellbare Rundschäfte für Halter BKT105.2327.01
Adjustable round shanks for toolholder BKT105.2327.01

mit innerer Kühlmittelzufuhr
with through coolant supply



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

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

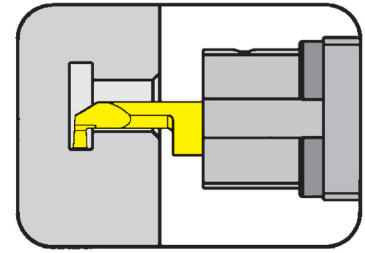
| Grundhalter Basic toolholder | Befestigungsschraube Fixing screw | Inbus-Schlüssel Wrench |
|---------------------------------|--------------------------------------|---------------------------|
| BGT001.0R22.25 | DIN912-M5x10 | SW4,0DIN911 |

EINSTELLBARE HALTER Typ **BKT**

ADJUSTABLE HOLDER Type

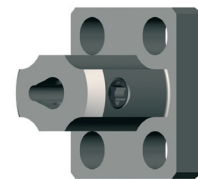
| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

mit innerer Kühlmittelzufuhr
with through coolant supply

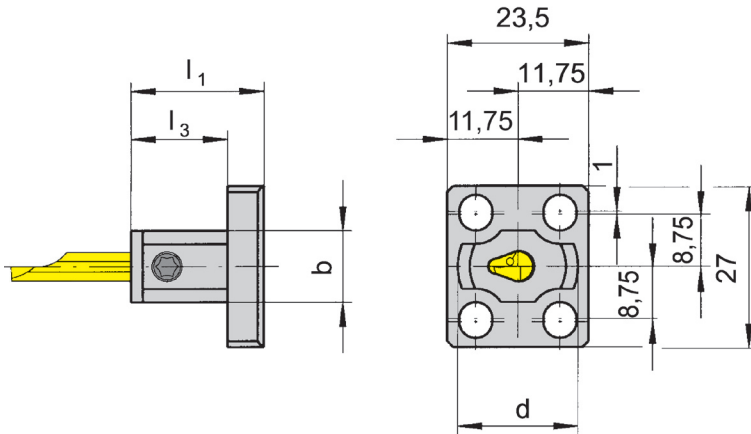


für Schneidplatte
for use with Insert

Typ 105
Type



BKT105.2327.01



| Bestellnummer Part number | d | l ₁ | l ₃ | b |
|------------------------------|----|----------------|----------------|----|
| BKT105.2327.01 | 20 | 22 | 16 | 12 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile Spare parts

| | | |
|--|------------------------|---|
| Einstellbare Halter Adjustable holder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| BKT105.2327.01 | 6.075T15P | T15PQ |

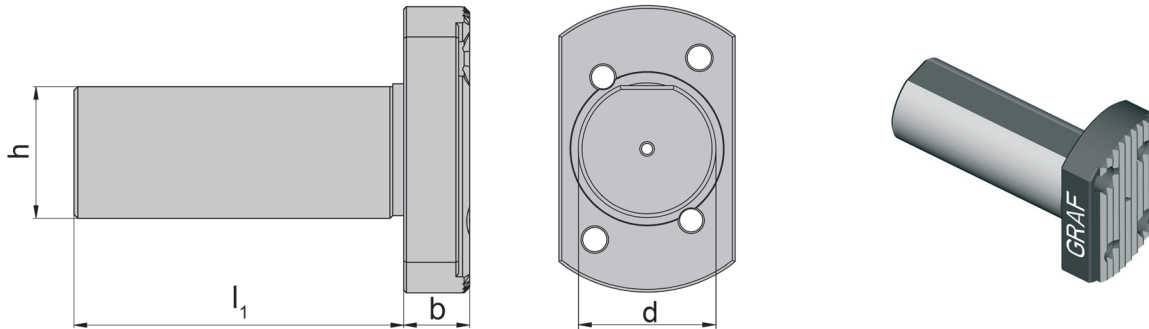
GRUNDHALTER GRAF Typ

BASIC TOOLHOLDER GRAF Type

G

ohne Einbauhalter
without cartridge

für einstellbare Halter Graf Typ N und HORN BKT105.2445.01/02
for adjustable holder Graf type N and HORN BKT105.2445.01/02



| Bestellnummer Part number | d | l ₁ | h | b | Hersteller Manufacturer |
|------------------------------|-------|----------------|----|----|--|
| G016021 | 16,00 | 21 | 14 | 6 | Star Traub/Manurhin |
| G016040 | | 40 | | | |
| G034040 | 3/4" | 40 | 18 | 6 | Citizen |
| G034050 | | 50 | | | |
| G034120 | | 120 | | | |
| G020030 | 20,00 | 30 | 18 | 6 | Citizen Hanwha Tornos Manurhin/Tornos |
| G020040 | | 40 | | | |
| G020100 | | 100 | | | |
| G020150 | | 150 | | | |
| G022023 | 22,00 | 23 | 20 | 6 | Star |
| G022025SR16/20R | | 25 | | 12 | |
| G022030 | | 30 | | 6 | |
| G022030SR32 | | 30 | | 12 | |
| G022070 | | 70 | | 6 | |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm und Zoll
Dimensions in mm and inch

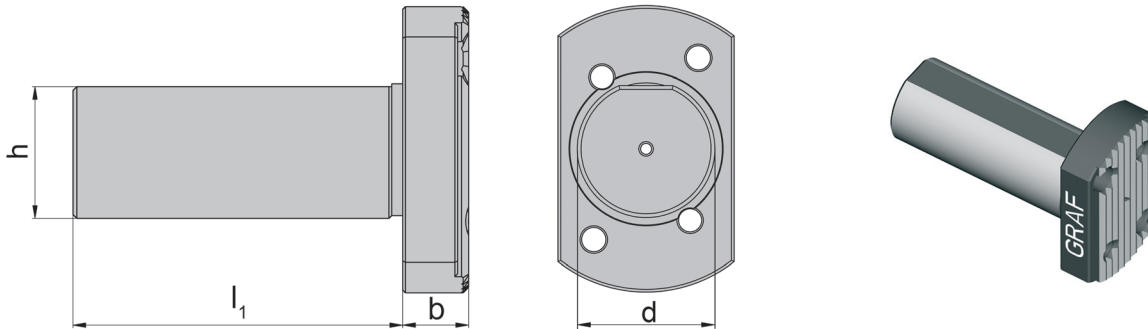
GRUNDHALTER GRAF Typ

BASIC TOOLHOLDER GRAF Type

G

ohne Einbauhalter
without cartridge

für einstellbare Halter Graf Typ N und HORN BKT105.2445.01/02
for adjustable holder Graf type N and HORN BKT105.2445.01/02



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

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm und Zoll
Dimensions in mm and inch

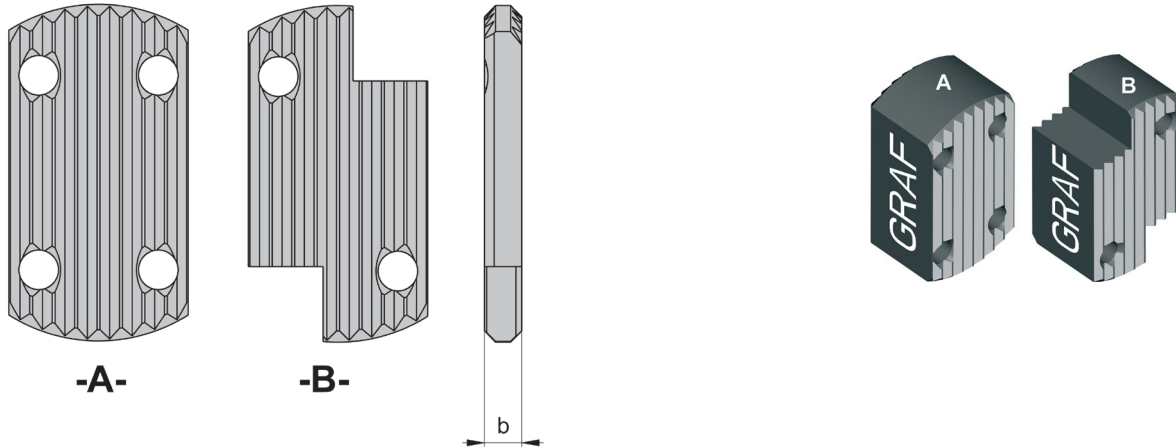
ZWISCHENSTÜCK GRAF Typ

ADAPTOR GRAF Type

Z

ohne Einbauhalter
without cartridge

für einstellbare Halter Graf Typ N und HORN BKT105.2445.01/02
for adjustable holder Graf type N and HORN BKT105.2445.01/02



| Bestellnummer Part number | b | Form 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 | |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

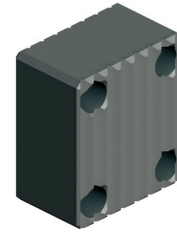
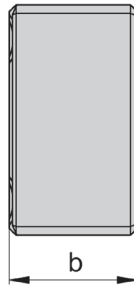
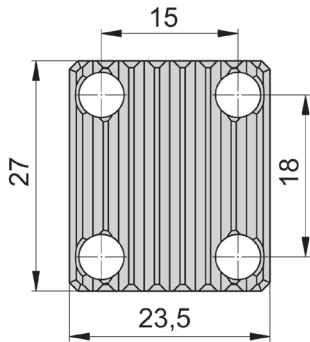
ZWISCHENSTÜCK GRAF Typ

ADAPTOR GRAF Type

Z

ohne Einbauhalter
without cartridge

für einstellbare Halter HORN BKT105.2327.01
for adjustable holder HORN BKT.105.2327.01



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

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

ZWISCHENPLATTE GRAF Typ

PLATE BETWEEN GRAF type

N

ohne Einbauhalter
without cartridge



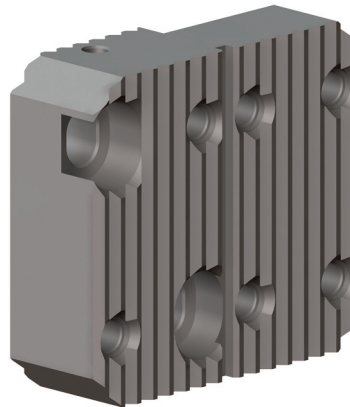
für einstellbare Halter Graf Typ N und HORN BKT105.2445.01/02
for adjustable holder Graf type N and HORN BKT105.2445.01/02

für Rückseitenbearbeitung
for back working

Bestellnummer N11

Part number

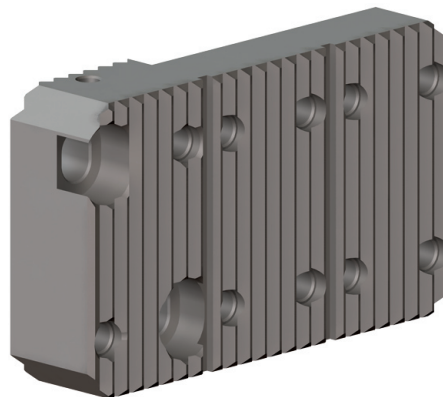
Für wahlweise 2 Einsätze
For alternatively 2 cartridges



Bestellnummer N12

Part number

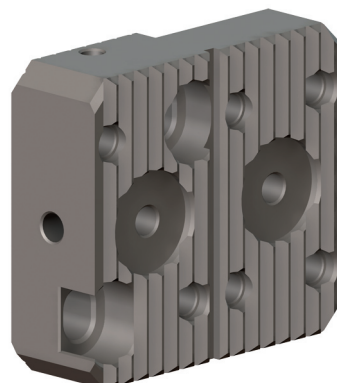
Für wahlweise 3 Einsätze
For alternatively 3 cartridges



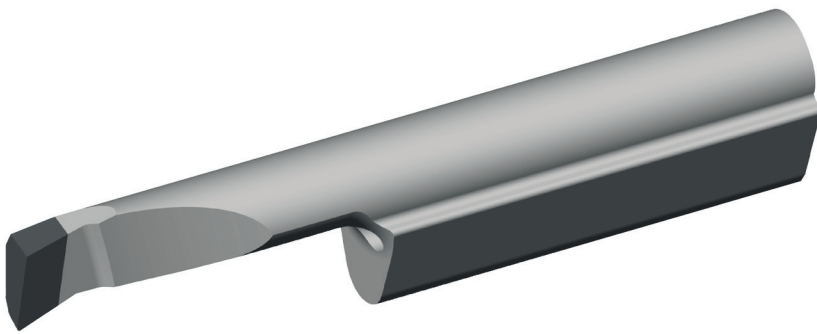
Bestellnummer N93IK

Part number

mit innerer Kühlmittelzufuhr
with through coolant supply



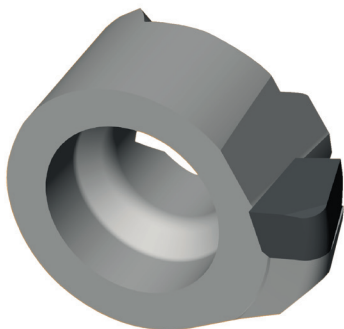
PKD- oder CBN-bestückte Schneidplatten auf Anfrage lieferbar.
PCD- or PCBN-tipped inserts upon request.



Supermini®

Ausdrehen gehärteter Teile
ab Bohrungs- $\varnothing > 3,0$ mm

Turning of hardened parts
from bore $\varnothing > 3,0$ mm



Mini

PKD-bestückte Ausdrehplatte
PCD-tipped insert

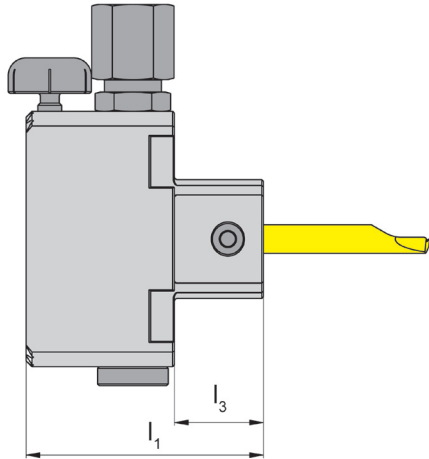
EINSTELLBARE HALTER Typ

N

ADJUSTABLE HOLDER Type

| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

mit innerer Kühlmittelzufuhr
with through coolant supply



für Schneidplatte
for use with Insert

Typ 105
Type

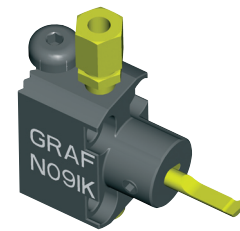


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | l_1 | l_3 |
|------------------------------|-------|-------|
| N09IK | 40 | 15 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Kühlmittelrohr ist nicht im Lieferumfang enthalten - bitte separat bestellen!
Coolant tube is not included - separate order required!

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Einstellbare Halter Adjustable holder | Spannschraube Screw | Höhenverstellungsschraube Height adjustment screw | Kühlmittelanschluss Coolant supply |
|--|------------------------|--|---------------------------------------|
| N09IK | 6.075T15P | 002.00.69 | 004.00.19 |

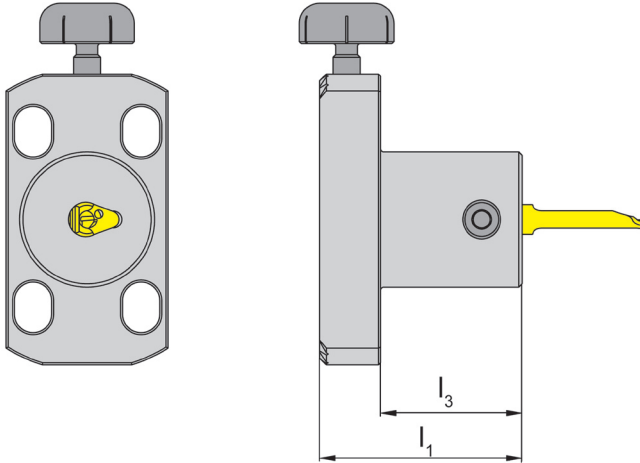
EINSTELLBARE HALTER Typ N

ADJUSTABLE HOLDER Type



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

ohne innere Kühlmittelzufuhr
no through coolant supply



für Schneidplatte
for use with Insert

Typ 105
Type

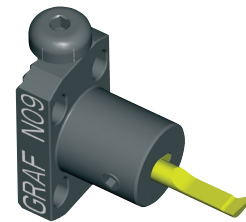


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | l_1 | l_3 |
|------------------------------|-------|-------|
| N09 | 30 | 20 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Einstellbare Halter Adjustable holder | Spannschraube Screw | Höhenverstellungsschraube Height adjustment screw |
|--|------------------------|--|
| N09 | 6.075T15P | 002.00.69 |

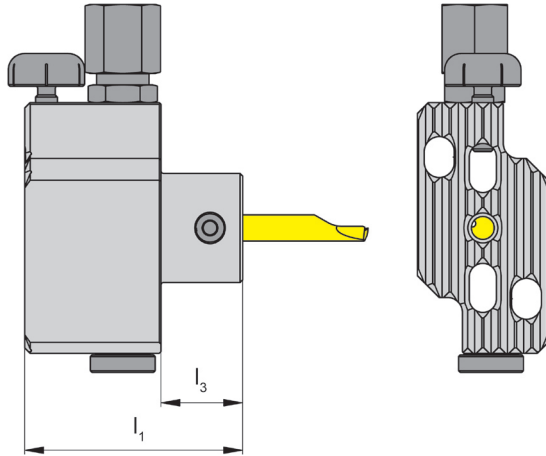
EINSTELLBARE HALTER Typ

N

ADJUSTABLE HOLDER Type

| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

mit innerer Kühlmittelzufuhr
with through coolant supply



für Schneidplatte
for use with Insert

Typ 105
Type

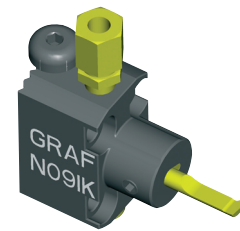


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | l_1 | l_3 |
|------------------------------|-------|-------|
| N73IK | 40 | 15 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Einstellbare Halter Adjustable holder | Spannschraube Screw | Höhenverstellungsschraube Height adjustment screw | Kühlmittelanschluss Coolant supply |
|--|------------------------|--|---------------------------------------|
| N73IK | 6.075T15P | 002.00.69 | 004.00.19 |

EINSTELLBARE HALTER Typ N

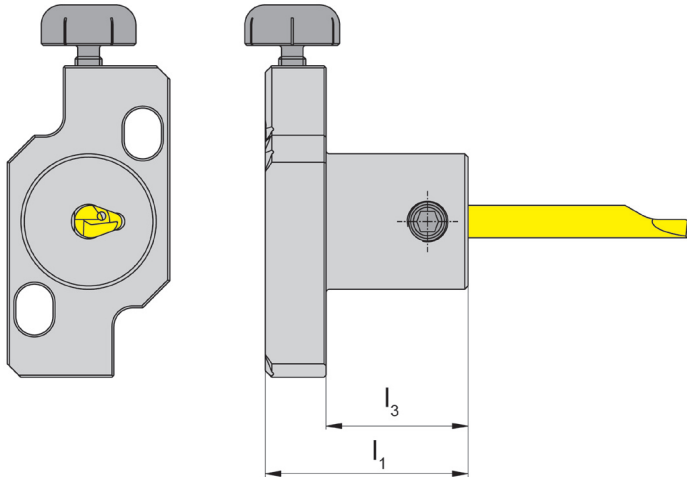
ADJUSTABLE HOLDER Type

N



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

ohne innere Kühlmittelzufuhr
no through coolant supply



für Schneidplatte
for use with Insert

Typ 105
Type

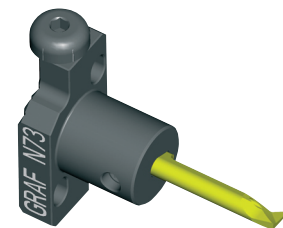


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | l_1 | l_3 |
|------------------------------|-------|-------|
| N73 | 30 | 20 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

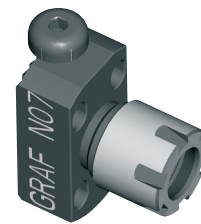
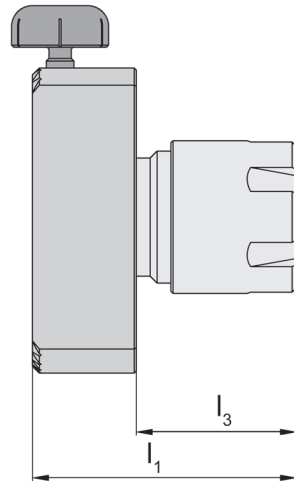
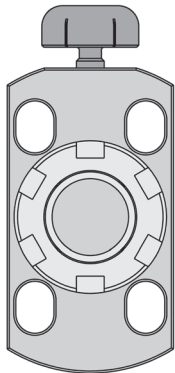
| Einstellbare Halter Adjustable holder | Spannschraube Screw | Höhenverstellungsschraube Height adjustment screw |
|--|------------------------|--|
| N73 | 6.075T15P | 002.00.69 |

EINSTELLBARE HALTER Typ

ADJUSTABLE HOLDER Type

N

mit Spannmutter ER16 System Graf
with chucking nut ER16 system Graf



| Bestellnummer Part number | l_1 | l_3 | Bemerkung Remark |
|------------------------------|-------|-------|---------------------|
| N07 | 37 | 18 | ER16 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Ersatzteile

Spare parts

| Einstellbare Halter Adjustable holder | Spannmutter Chucking nut | Höhenverstellungsschraube Height adjustment screw |
|--|-----------------------------|--|
| N07 | 62.000.16 | 002.00.69 |

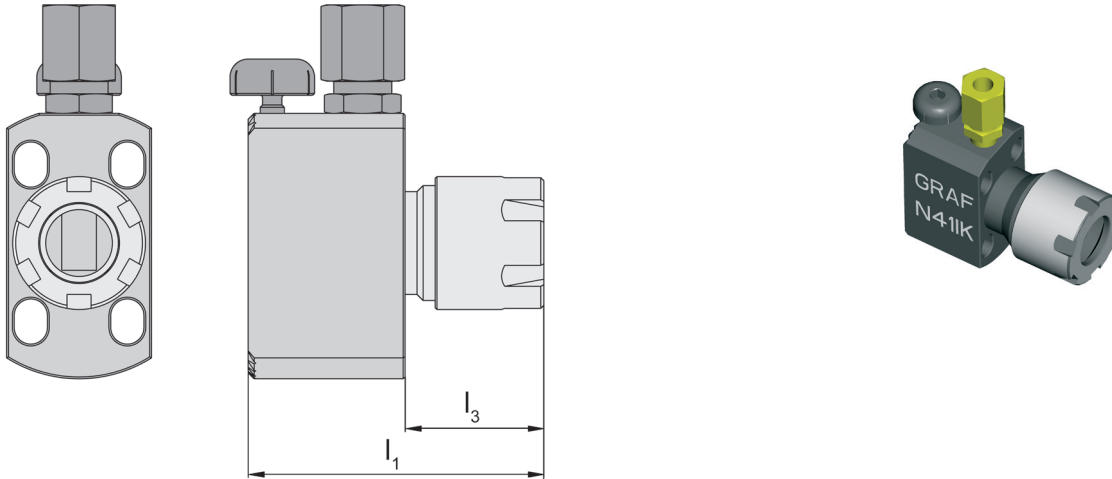
EINSTELLBARE HALTER Typ N

ADJUSTABLE HOLDER Type



mit Spannmutter ER16 / ER20 System Graf
with chucking nut ER16 / E20 system Graf

mit innerer Kühlmittelzufuhr
with through coolant supply



| Bestellnummer Part number | l_1 | l_3 | Bemerkung Remark |
|------------------------------|-------|-------|---------------------|
| N07IK | 54 | 18 | ER16 |
| N41IK | 64 | 26 | ER20 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Ersatzteile

Spare parts

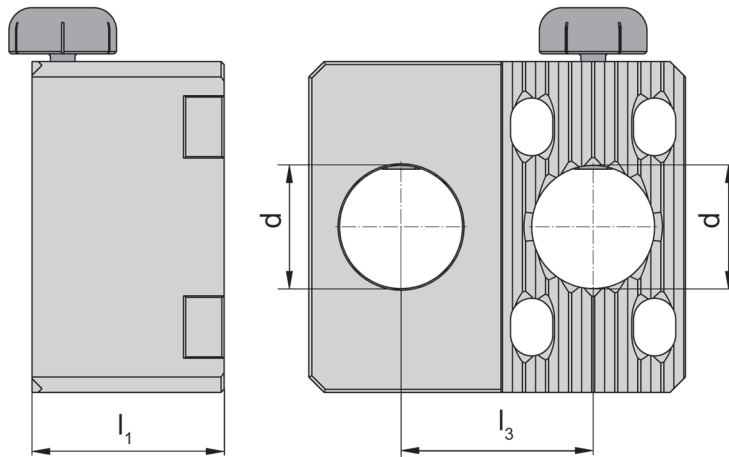
| Einstellbare Halter Adjustable holder | Spannmutter Chucking nut | Höhenverstellungsschraube Height adjustment screw | Kühlmittelanschluss Coolant supply | Dichtscheibensatz D3 Set of seals D3 |
|--|-----------------------------|--|---------------------------------------|---|
| N07IK | 62.000.16 | 002.00.69 | 004.00.19 | 64.600.16.3-10 |
| N41IK | 62.000.20 | 002.00.69 | 004.00.19 | 64.600.20.3-13 |

EINSTELLBARE HALTER Typ

ADJUSTABLE HOLDER Type

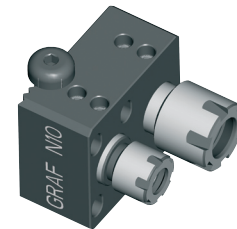
N

für Spannzangenaufnahmen ER11/ER16 System Graf
for collet adaptors ER11/ER16 System Graf



für Grundhalter
for use with Basic toolholder

Typ Horn BGT/
Type Graf G



| Bestellnummer Part number | l_1 | l_3 | Bemerkung Remark |
|------------------------------|-------|-------|---------------------|
| N10 | 25 | 25 | ER11 + ER16 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Die Spannzangenaufnahmen sind nicht im Lieferumfang enthalten - bitte separat bestellen!
The collet adaptors are not included - separate order required!

Ersatzteile

Spare parts

| Einstellbare Halter Adjustable holder | Gewindestift Threaded pin | Höhenverstellungsschraube Height adjustment screw | Spannzangen-Halter Collet holder |
|--|------------------------------|--|--|
| N10 | 002.00.11 | 002.00.69 | GZ66.1620.11ER11/GZ66.1626.16ER16 |

Kühlmittelanschluss Standard für Rohr Ø 6 mm

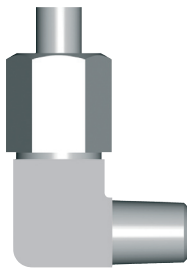
Standard connection for through cooling for pipe Ø 6 mm

Kühlmittelanschluss
Connection for through cooling



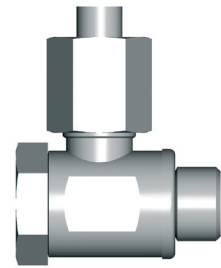
M8 x 1 - 004.00.19
G1/8" - 004.00.14

Kühlmittelanschluss
Connection for through cooling



M8 x 1 - 004.00.22
G1/8" - 004.00.33

Kühlmittelanschluss
Connection for through cooling

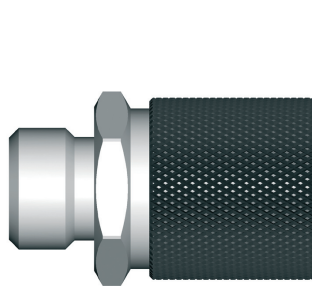


M8 x 1 - 004.00.61
G1/8" - 004.00.16

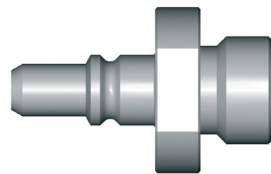
Kühlmittelanschluss Schnellkupplung

Clip connection for through cooling

Schnellkupplung
Clip connection

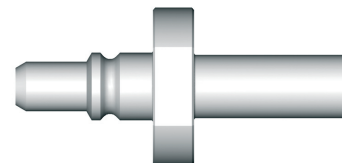


M10 x 1 - 004.00.49



Stecker
Plug

M8 x 1 - 004.00.56
G1/8" - 004.00.57



Stecker
Plug

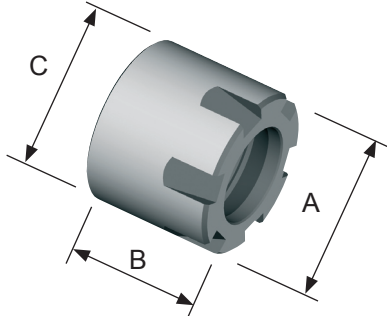
Ø 6 mm - 004.00.59

Spannmutter

Chucking nut

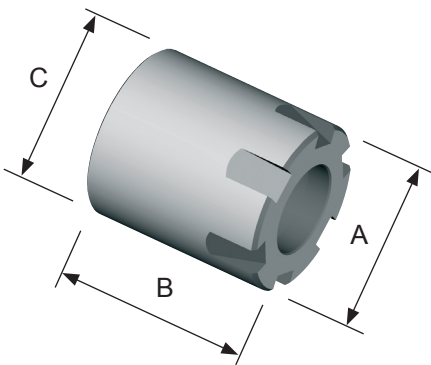


ER-M



| ER-M | A | B | C |
|-----------------|----|------|----------|
| 62 000 08-ER 8 | 12 | 10,8 | M10x0,75 |
| 62 000 11-ER 11 | 16 | 12 | M13x0,75 |
| 62 000 16-ER 16 | 22 | 18 | M19x1 |
| 62 000 20-ER 20 | 28 | 19 | M24x1 |
| 62 000 25-ER 25 | 35 | 20 | M30x1 |

ER-MA abdichtbar sealed

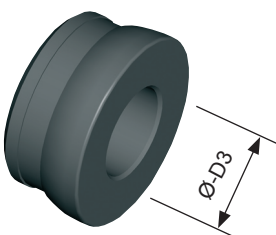


| ER-MA | A | B | C |
|-----------------|----|------|-------|
| 62 600 16-ER 16 | 22 | 24,5 | M19x1 |
| 62 600 20-ER 20 | 28 | 26,5 | M24x1 |
| 62 600 25-ER 25 | 35 | 27,5 | M30x1 |

Abmessungen in mm
Dimensions in mm

Dichtscheiben für abdichtbare Spannmutter ER-MA...

Sealing rings
for chucking nuts ER-MA...



kompletter Satz:
completed set:

| Bestellnummer Part number | Ø D3 |
|------------------------------|------------------------|
| 64 600 16-ER 16 | 3,0-3,5...9,5-10,0 mm |
| 64 600 20-ER 20 | 3,0-3,5...12,5-13,0 mm |
| 64 600 25-ER 25 | 3,0-3,5...15,5-16,0 mm |

Abmessungen in mm
Dimensions in mm

Die Dichtscheiben können auch einzeln bestellt werden.

Beispiel:

The sealing rings can be ordered separately.

Example:

| Bestellnummer Part number | Durchmesserbereich Diameter range | möglich von-bis possible from-up to |
|------------------------------|--------------------------------------|--|
| ER 16 64 600 16 <u>30</u> | 3,01 - 3,50 | 3 - 10 |
| ER 20 64 600 20 <u>45</u> | 4,51 - 5,00 | 3 - 13 |
| ER 25 64 600 25 <u>80</u> | 8,01 - 8,50 | 3 - 16 |

Abmessungen in mm
Dimensions in mm

HÖHENEINSTELL-VORRICHTUNG

DEVICE FOR HEIGHT ADJUSTING



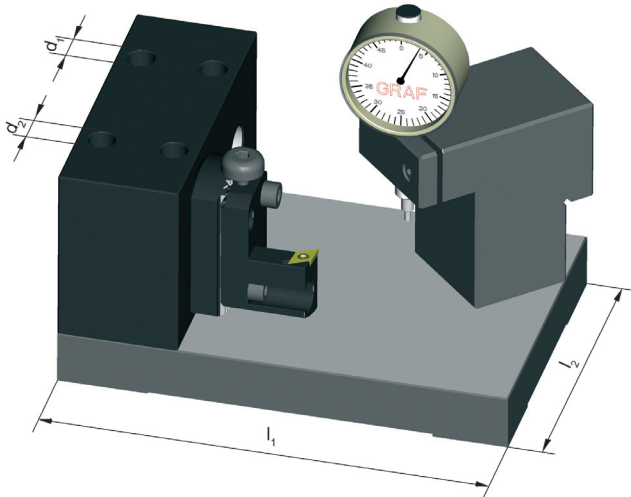
A

HÖHENEINSTELLVORRICHTUNG Typ **HVR40**

DEVICE FOR HEIGHT ADJUSTING Type



für Rückseitenbearbeitungs-Drehhalter HVR40
for back working holder HVR40



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

Weitere Abmessungen auf Anfrage
Further sizes upon request

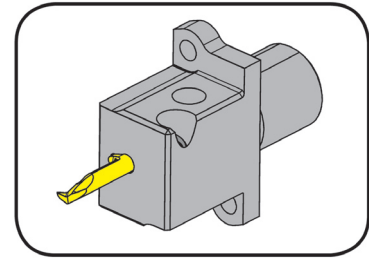
Abmessungen in mm und Zoll
Dimensions in mm and inch

KLEMMHALTER Typ

TOOLHOLDER Type

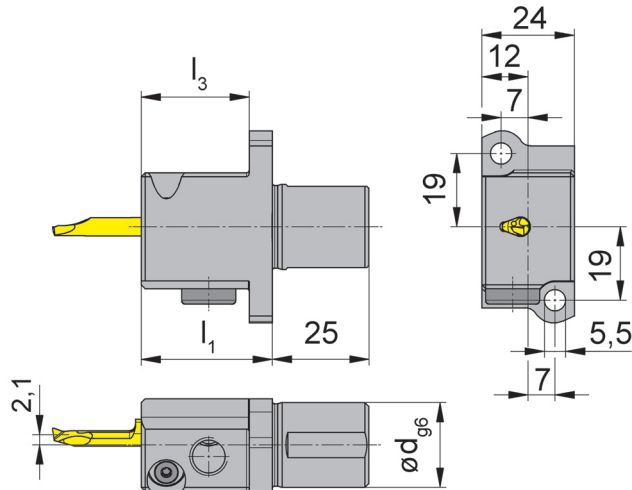
B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

Kühlmittelzufuhr G1/8"
Through coolant supply G1/8"



L = Linksausführung
L = left hand version

für Schneidplatte
for use with Insert

Typ 105
Type

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

| Bestellnummer Part number | d | l ₁ | l ₃ |
|------------------------------|----|----------------|----------------|
| LB105.A022.26.31 | 22 | 34 | 28 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannkeil Tensioning wedge | Spannschraube Screw | Zylinderschraube Cylindrical Screw | Inbusschlüssel Wrench | TORX PLUS® Schlüssel TORX PLUS® Wrench |
|---------------------------|-------------------------------|------------------------|---------------------------------------|--------------------------|---|
| LB105.A022.26.31 | 070.0010.0118 | 030.0422.T10P | DIN7984-M5x12 | SW3DIN911 | T10PL |

EINSTECHEN und AUDREHEN

GROOVING and BORING



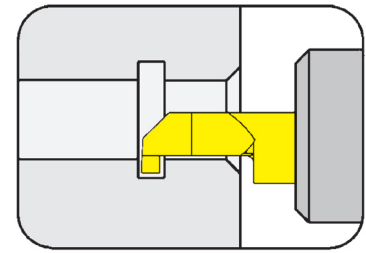
A

KLEMMHALTER Typ

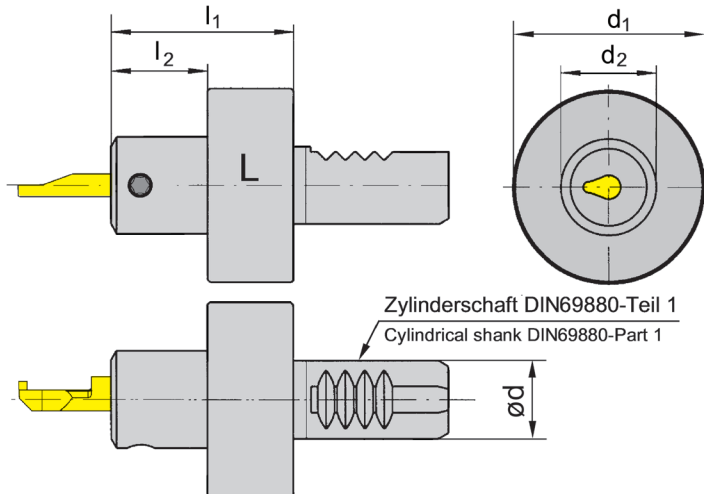
TOOLHOLDER Type

VDI

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

für Schneidplatte
for use with Insert

Typ 105
Type

| Bestellnummer 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 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| VDI... | 6.075T15P | T15PQ |

EINSTECHEN (innen)

GROOVING (internal)

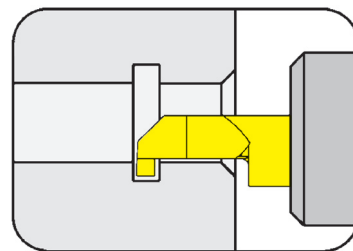


KLEMMHALTER Typ

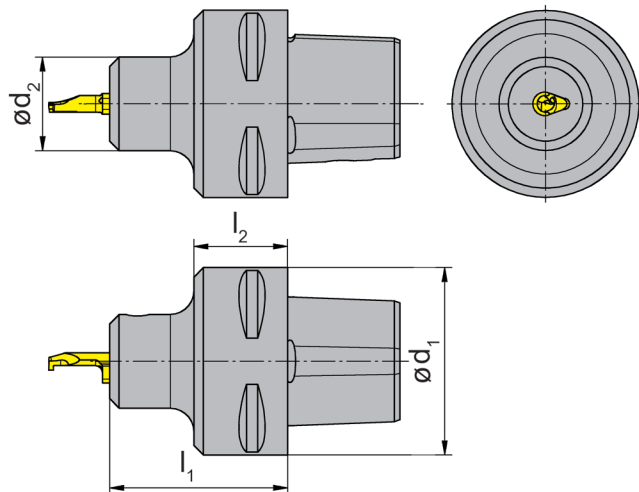
TOOLHOLDER Type

B105C

mit innerer Kühlmittelzufuhr
with through coolant supply



HORN-Polygonschaft nach ISO 26623
HORN Polygon shank according ISO 26623



für Schneidplatte
for use with Insert

Typ 105
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| R/LB105.00C... | 6.075T15P | T15PQ |

EINSTECHEN (innen)

GROOVING (internal)

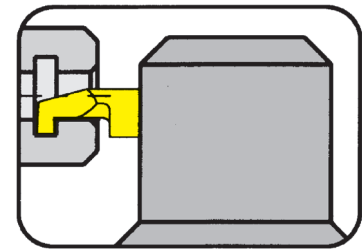


A

KLEMMHALTER Typ
TOOLHOLDER Type

B105C

mit innerer Kühlmittelzufuhr
with through coolant supply

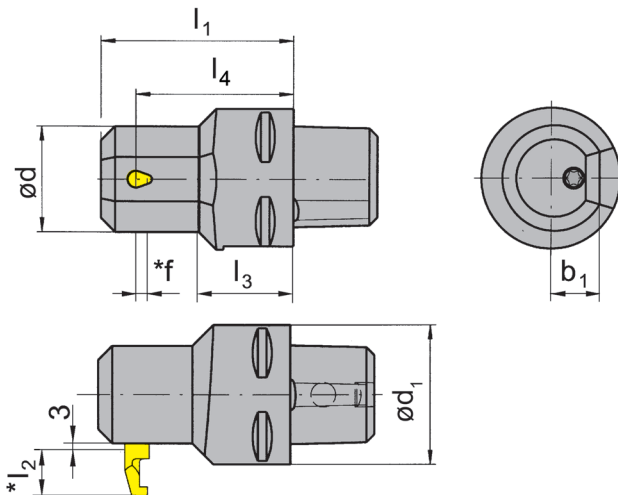


HORN-Polygonschaft nach ISO 26623
HORN Polygon shank according ISO 26623

für INDEX Mehrspindler
for INDEX Multi spindle machines

für Schneidplatte
for use with Insert

Typ 105
Type



| Bestellnummer Part number | d | l ₁ | l ₃ | b ₁ | l ₄ | d ₁ | Maschinentyp Machine type |
|------------------------------|----|----------------|----------------|----------------|----------------|----------------|------------------------------|
| RB105.00C3.2.2.01 | 30 | 55 | 17 | 14 | 45 | 32 | MS32 |
| RB105.00C3.2.2.02 | 36 | | 15 | 18 | | | |
| RB105.00C4.2.2.01 | 30 | 55 | 26 | 14 | 45 | 40 | MS52 |
| RB105.00C4.2.2.02 | 36 | | 22 | 18 | | | |

Weitere Abmessungen auf Anfrage
Further sizes upon request

f, l₂ siehe SP Typ 105
f, l₂ see inserts type 105

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile
Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| RB105.00C... | 6.075T15P | T15PQ |

EINSTECHEN (innen)

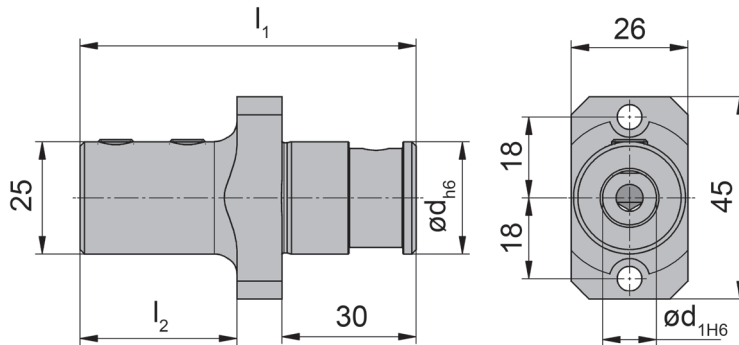
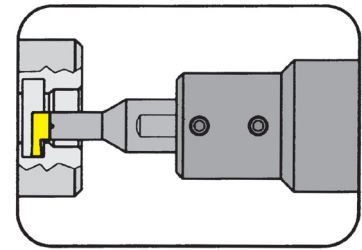
GROOVING (internal)



BOHRSTANGEN-AUFNAHME Typ 001

ADAPTOR Type

für zylindrische Schäfte mit durchgehender Spannfläche
for cylindrical shanks with standard clamping flat



| Bestellnummer Part number | d | l_1 | l_2 | d_1 | Hersteller Manufacturer |
|------------------------------|----|-------|-------|-------|----------------------------|
| 001.C025.12.30IK | 25 | 75 | 35 | 12 | Citizen L20X |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

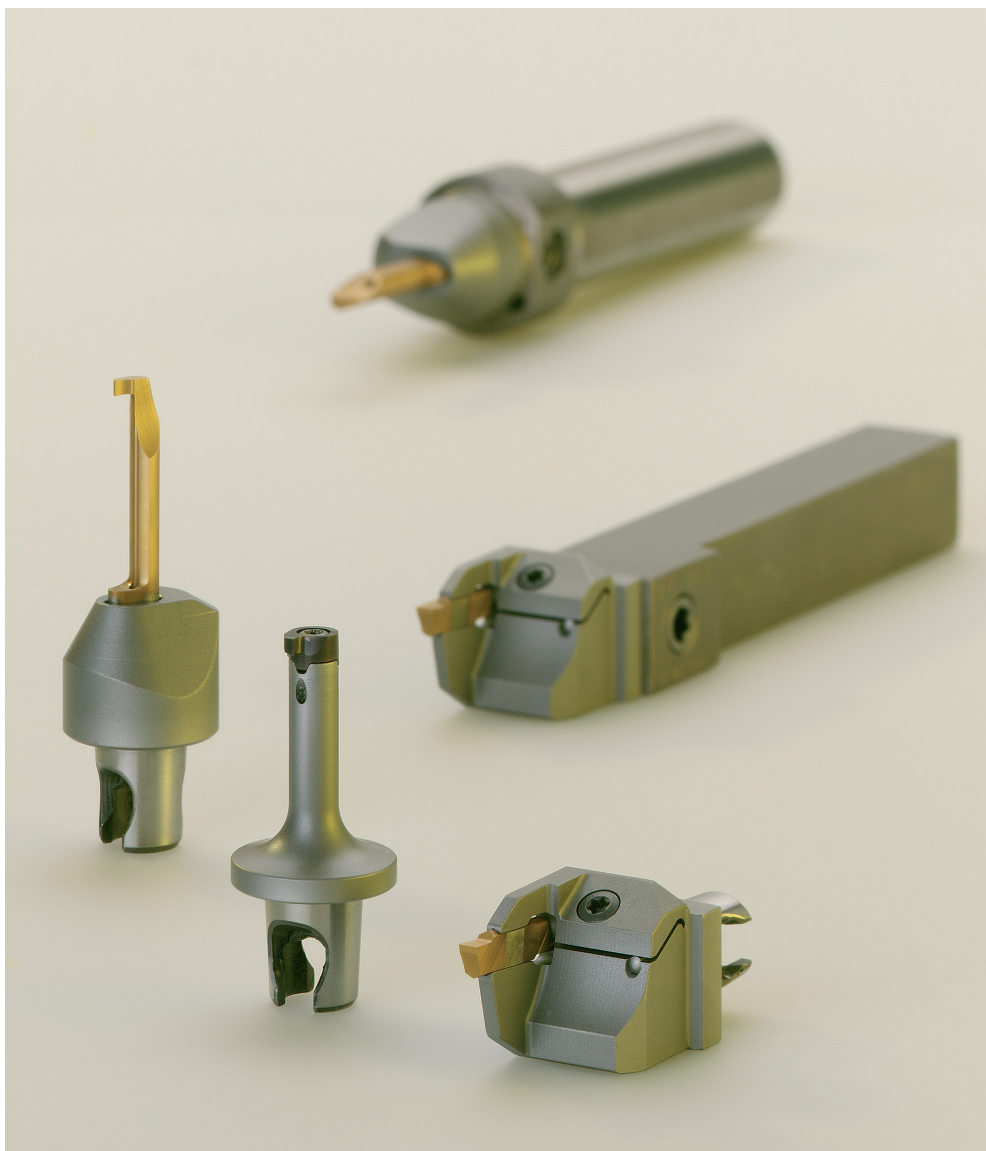
Ersatzteile

Spare parts

| Bohrstangen-Aufnahme Adaptor | Spannschraube Screw | Inbus-Schlüssel Wrench |
|---------------------------------|------------------------|---------------------------|
| 001.C025.12.30IK | DIN1835BM8x7,5 | SW4,0DIN911 |

**Supermini® Typ 105 ab Ø 0,2 mm
Mini Typ 108 ab Ø 8,0 mm
Einstechsystem 264**

**Supermini® type 105 from Ø 0,2 mm
Mini type 108 from Ø 8,0 mm
Grooving system 264**



**Außen- und Innebearbeitung
- nicht nur für Langdrehautomaten -**

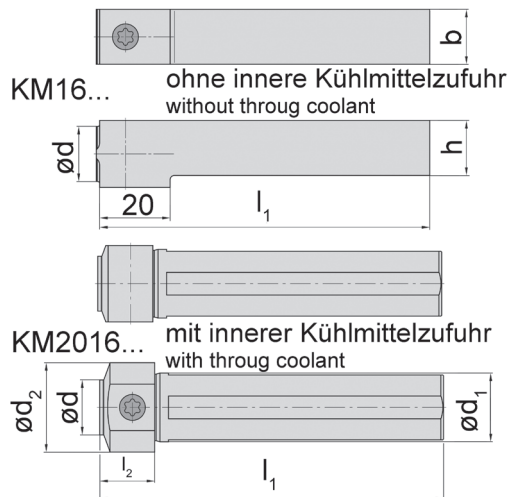
**External and internal machining
- not only for Swiss Type Machines -**

GRUNDHALTER Typ

BASIC TOOLHOLDER Type

KM16

Grundhalter für Klemmhalter ...KM16...
Basic toolholder for use with toolholder ...KM16...



System Kennametal
KM16 Micro
System Kennametal
KM16 Micro

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

Weitere Baugrößen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

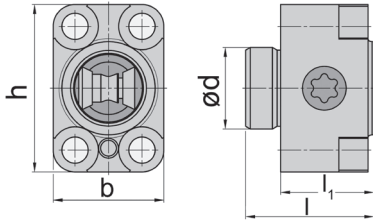
Spare parts

| Grundhalter Basic toolholder | Spannschraube Screw | TORX PLUS®-Klinge TORX PLUS® Blade |
|--|--|---------------------------------------|
| KM16 NCM 1616 100 KM2016 NCM SS2... | KM16-NSPKG KM16-NAPKG | DT27PQ DT27PQ |

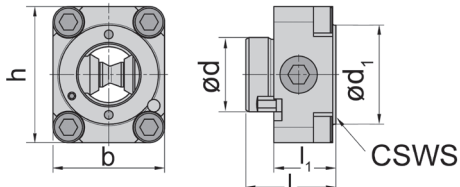
FLANSCH Typ
FLANGE Type

KM16

Grundhalter für Klemmhalter ...KM16...
Basic toolholder for use with toolholder ...KM16...



KM16... ohne innere Kühlmittelzufuhr
without through coolant



KM2016... mit innerer Kühlmittelzufuhr
with through coolant

System Kennametal
KM16 Micro
System Kennametal
KM16 Micro

| Bestellnummer Part number | l | d | l ₁ | h | b | d ₁ |
|------------------------------|----|----|----------------|------|----|----------------|
| KM16NCMSF1928 | 22 | 14 | 16 | 27,5 | 19 | - |
| KM2016NCMSF2434 | 22 | 20 | 16 | 33,0 | 25 | 20 |

Weitere Baugrößen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile
Spare parts

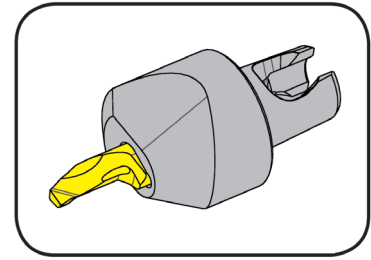
| Flansch Flange | Spannschraube Screw | TORX PLUS®-Klinge TORX PLUS® Blade |
|----------------------------------|--|---------------------------------------|
| KM16NCMSF1928 KM2016NCMSF2434 | KM16-NSPKG KM16-NAPKG | DT27PQ DT27PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

B105KM

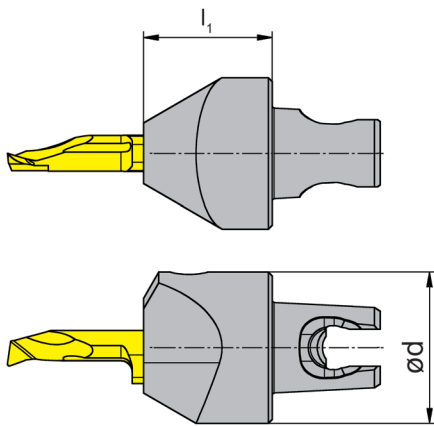
mit innerer Kühlmittelzufuhr
with through coolant supply



Bohrungs-Ø ab

Bore Ø from

0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

System Kennametal
KM16 Micro
System Kennametal
KM16 Micro

| Bestellnummer Part number | d | l ₁ |
|------------------------------|----|----------------|
| B105.KM16.90.01 | 20 | 17 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

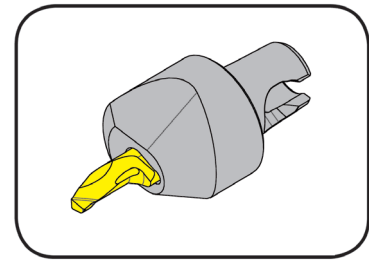
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.KM16.90.01 | 6.075T15P | T15PQ |

KLEMMHALTER Typ

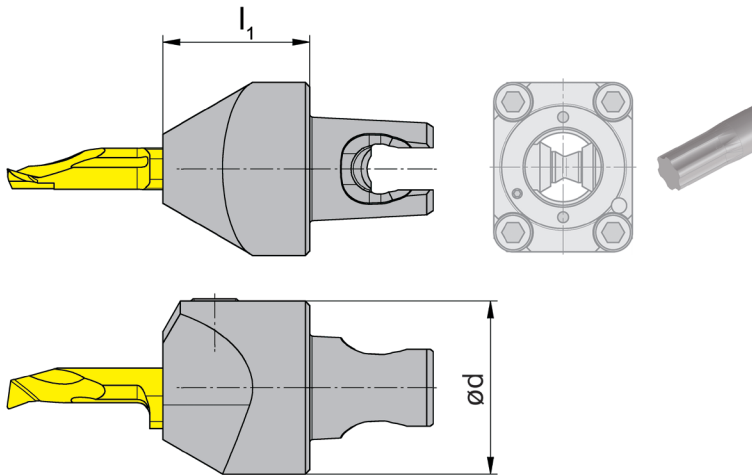
TOOLHOLDER Type

B105KM

mit innerer Kühlmittelzufuhr
with through coolant supply



Bohrungs-Ø ab Bore Ø from 0,2 mm



für Schneidplatte
for use with Insert

Typ 105
Type

System Kennametal
KM16 Micro
System Kennametal
KM16 Micro

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ |
|------------------------------|----|----------------|
| B105.KM16.01 | 20 | 17 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.KM16.01 | 6.075T15P | T15PQ |

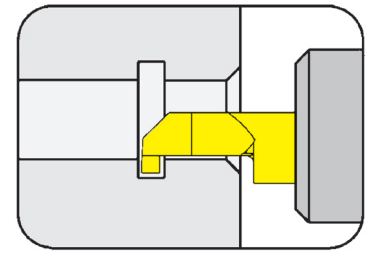
KLEMMHALTER Typ

TOOLHOLDER Type

B105TS

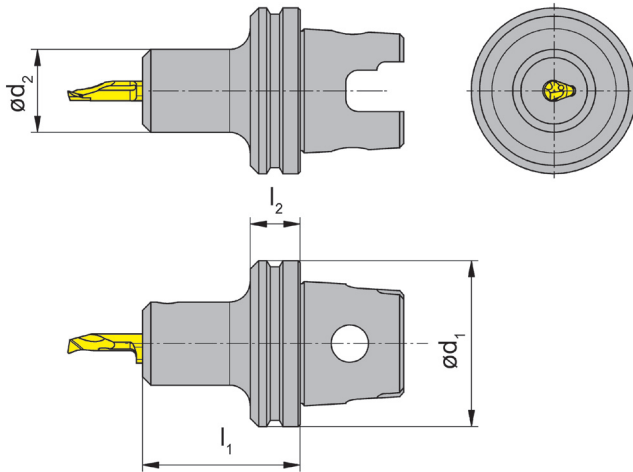
mit innerer Kühlmittelzufuhr
with through coolant supply

Direktaufnahme für Schneidplatte Typ 105 HORN-TS
Adapter for inserts type 105 HORN-TS



für Schneidplatte
for use with Insert

Typ 105
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

HORN-Klemmhalter TS
nach ISO 26622
HORN Toolholder TS
according to DIN 26622

| Bestellnummer Part number | l_1 | l_2 | d_2 | d_1 | Bemerkung Remark |
|------------------------------|-------|-------|-------|-------|---------------------|
| R/LB105.TS40.20.1.01 | 38 | 12 | 20 | 40 | KM40 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

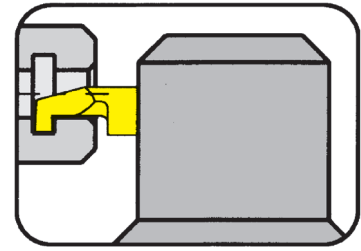
| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| R/LB105.TS40.20.1.01 | 6.075T15P | T15PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

B105TS

mit innerer Kühlmittelzufuhr
with through coolant supply

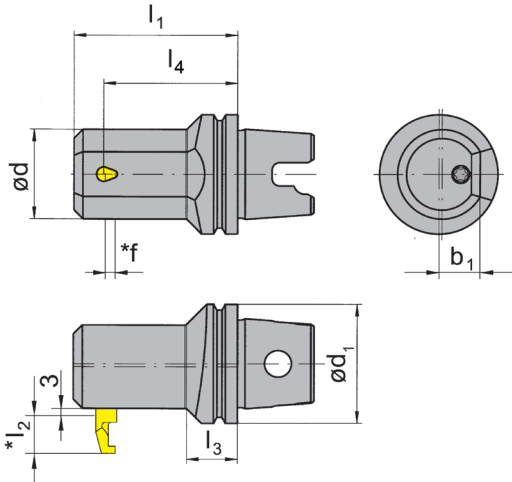


Direktaufnahme für Schneidplatte Typ 105 HORN-TS
Adapter for inserts type 105 HORN-TS

für INDEX Mehrspindler
for INDEX Multi spindle machines

für Schneidplatte
for use with Insert

Typ 105
Type



R = rechts wie gezeichnet
R = right hand version shown

HORN-Klemmhalter TS
nach ISO 26622
HORN Toolholder TS
according to DIN 26622

| Bestellnummer Part number | d | l ₁ | l ₃ | b ₁ | l ₄ | d ₁ | Maschinentyp Machine type |
|--|----|----------------|----------------|----------------|----------------|----------------|------------------------------|
| RB105.TS40.2.2.01 RB105.TS40.2.2.02 | 36 | 55 | 17 14 | 14 18 | 45 | 40 | MS32 |
| RB105.TS50.2.2.01 RB105.TS50.2.2.02 | 36 | 55 | 26 22 | 14 18 | 45 | 50 | MS52 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

f, l₂ siehe SP Typ 105
f, l₂ see inserts type 105

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

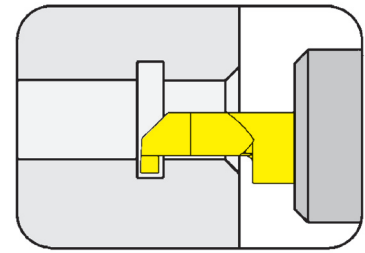
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| RB105.TS... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

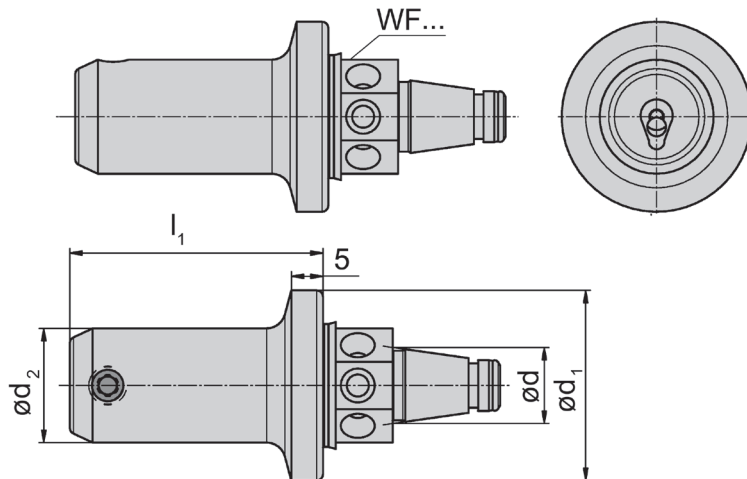
TOOLHOLDER Type

B105.WF

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 0,2 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |



für Schneidplatte
for use with Insert

Typ 105
Type

| Bestellnummer Part number | Anbindung Coupling System | d | l ₁ | d ₂ | d ₁ |
|------------------------------|------------------------------|----|----------------|----------------|----------------|
| B105.WF20.2.01 | WF20-12 | 12 | 40 | 18 | 30 |
| B105.WF20.3.01 | | | 55 | | |
| B105.WF24.2.01 | WF24-16 | 16 | 40 | 18 | 37 |
| B105.WF32.2.01 | WF32-20 | 20 | 40 | 18 | 47 |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.WF... | 6.075T15P | T15PQ |

BOHRUNG-DREHEN $\geq \varnothing 0,2$ mm

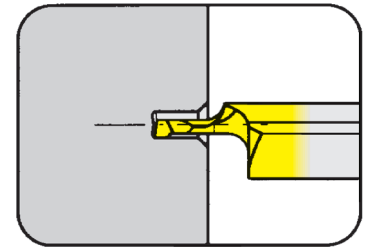
BORING and PROFILING



A

SCHNEIDPLATTE Typ INSERT Type

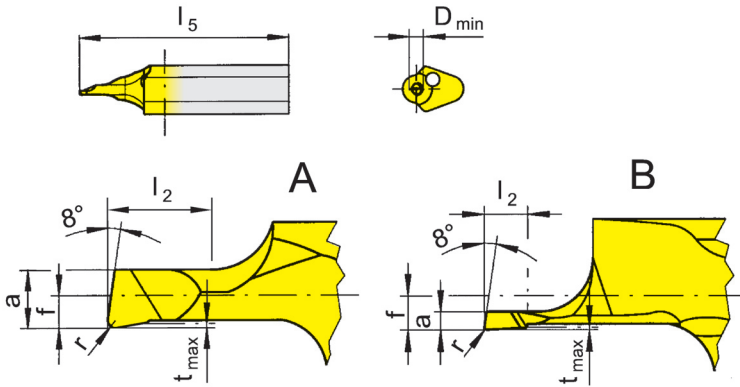
105



Bohrungs- \varnothing ab Bore \varnothing from 0,2 mm

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
 H105
 HC105
 VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | l_2 | l_5 | t_{max} | D_{min} | r | Form Form | MG12 | TN35 | TI25 | TH35 |
|---|-----|------|-------|-------|-----------|------------|------|--------------|------|------|------|------|
| R/L105.1802.0.02 | 1,0 | 0,17 | 1 | 23 | 0,02 | 0,2 | 0,02 | B | ▲/▲ | | | |
| R/L105.1802.0.03 | 1,0 | 0,25 | 1 | 23 | 0,02 | 0,3 | 0,02 | B | ▲/▲ | | | |
| R/L105.1802.0.05 | 1,0 | 0,40 | 2 | 23 | 0,05 | 0,5 | 0,05 | B | ▲/▲ | | | |
| R/L105.1803.0.07 | 0,3 | 0,60 | 2 | 23 | 0,05 | 0,7 | 0,05 | A | ▲/▲ | | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | o | | |
| ● Haupteinsatzbereich / main recommendation | | | | | | | | | M | • | | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | • | | |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | • | | |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | | | S | • | | |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

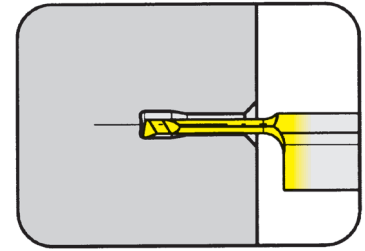
Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

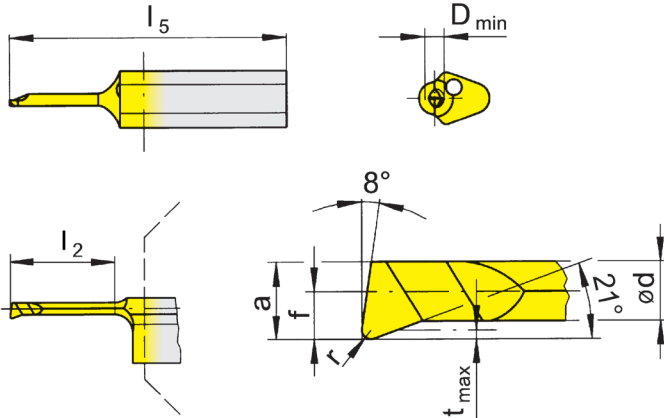
HM-Sorten
Carbide grades

SCHNEIDPLATTE Typ
INSERT Type

105



Bohrungs-Ø ab Bore Ø from 1,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
 H105
 HC105
 VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 | | | | 4 | 25 | 0,10 | 1,0 | 0,05 | | | | ▲/▲ | |
| R/L105.1805.005.1.1 | 0,5 | 0,9 | 0,65 | 6 | 25 | 0,10 | 1,0 | 0,05 | | | | ▲/▲ | |
| R/L105.1805.005.2.1 | | | | 8 | | | | | | | | ▲/▲ | |
| R/L105.1805.0.1 | | | | 4 | 25 | 0,10 | 1,0 | 0,10 | ▲/▲ | ▲/▲ | ▲/▲ | | |
| R/L105.1805.1.1 | 0,5 | 0,9 | 0,65 | 6 | 25 | 0,10 | 1,0 | 0,10 | | ▲/▲ | ▲/▲ | | |
| R/L105.1805.2.1 | | | | 8 | | | | | | ▲/▲ | ▲/▲ | | |
| R/L105.1813.005.0.15 | | | | 6 | 25 | | | | | | | ▲/▲ | |
| R/L105.1813.005.1.15 | 1,3 | 1,4 | 1,10 | 9 | 25 | 0,15 | 1,5 | 0,05 | | | | ▲/▲ | |
| R/L105.1813.005.2.15 | | | | 12 | 30 | | | | | | | ▲/▲ | |
| R/L105.1813.01.0.15 | | | | 6 | 25 | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1813.01.1.15 | 1,3 | 1,4 | 1,10 | 9 | 25 | 0,15 | 1,5 | 0,10 | | | | ▲/▲ | ▲/▲ |
| R/L105.1813.01.2.15 | | | | 12 | 30 | | | | | | | ▲/▲ | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | | | |
|---|---|---|---|---|---|
| P | o | ● | ● | ● | ● |
| M | ● | ● | ● | ● | ● |
| K | ● | ● | ● | ● | ● |
| N | ● | ● | ● | ● | ● |
| S | ● | ● | ● | ● | ● |
| H | | | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 2,0$ mm

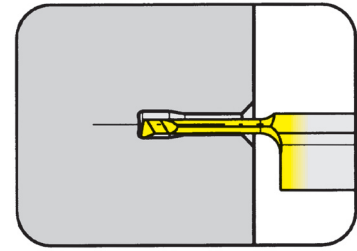
BORING and PROFILING



A

SCHNEIDPLATTE Typ INSERT Type

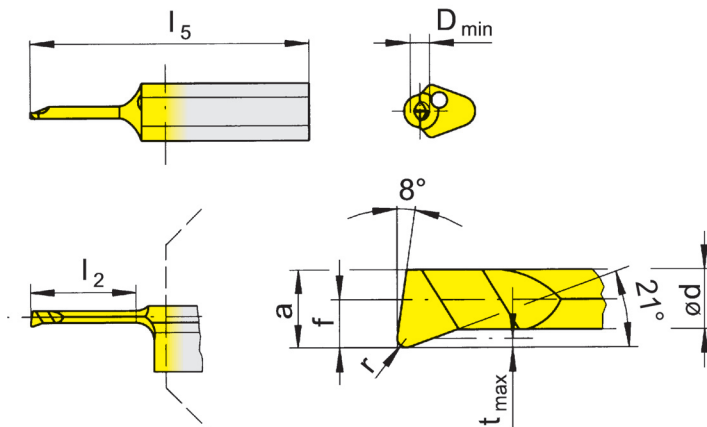
105



Bohrungs- \varnothing ab Bore \varnothing from 2,0 mm

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
 H105
 HC105
 VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 | | | | 6 | 25 | | | | | | | | ▲/▲ | |
| R/L105.1809.005.1.2 | 1,0 | 1,9 | 1,60 | 9 | 25 | 0,15 | 2,0 | 0,05 | | | | | ▲/▲ | |
| R/L105.1809.005.2.2 | | | | 12 | 30 | | | | | | | | ▲/▲ | |
| R/L105.1809.01.0.2 | | | | 6 | 25 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1809.01.1.2 | 1,0 | 1,9 | 1,60 | 9 | 25 | 0,15 | 2,0 | 0,10 | | | | | ▲/▲ | ▲/▲ |
| R/L105.1809.01.2.2 | | | | 12 | 30 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1809.0.2 | | | | 6 | 25 | | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1809.1.2 | 1,0 | 1,9 | 1,60 | 9 | 25 | 0,15 | 2,0 | 0,15 | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1809.2.2 | | | | 12 | 30 | | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1813.005.0.25 | | | | 6 | 25 | | | | | | | | | ▲/▲ |
| R/L105.1813.005.1.25 | | | | 9 | 25 | | | | | | | | ▲/▲ | |
| R/L105.1813.005.2.25 | 1,3 | 2,3 | 1,95 | 12 | 30 | 0,15 | 2,5 | 0,05 | | | | | ▲/▲ | ▲/ |
| R/L105.1813.005.3.25 | | | | 16 | 35 | | | | | | | | ▲/▲ | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

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

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 3,0$ mm

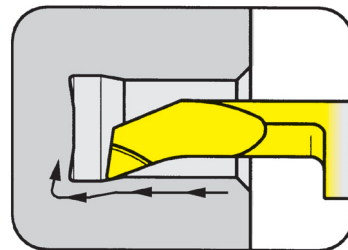
BORING and PROFILING



SCHNEIDPLATTE Typ

105

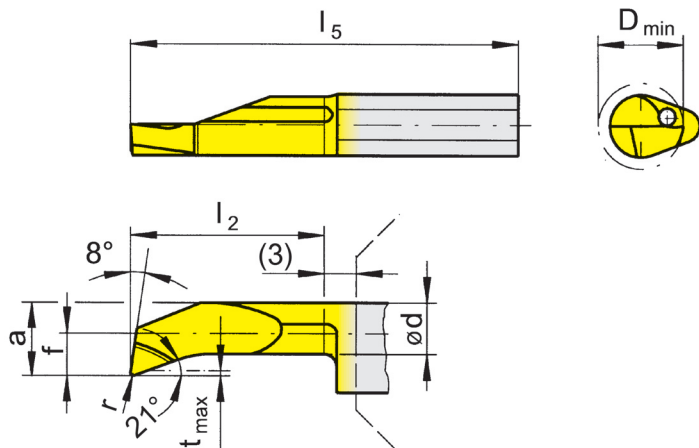
INSERT Type



Bohrungs- \varnothing ab

Bore \varnothing from

3,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 | | | | 10 | 25 | | | | | | | ▲/▲ | |
| R/L105.1813.005.2.3 | 1,3 | 2,6 | 2,3 | 15 | 30 | 0,15 | 3 | 0,05 | | | | ▲/▲ | |
| R/L105.1813.005.3.3 | | | | 20 | 35 | | | | | | | ▲/▲ | |
| R/L105.1813.01.1.3 | | | | 10 | 25 | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1813.01.2.3 | 1,3 | 2,6 | 2,3 | 15 | 30 | 0,15 | 3 | 0,10 | | | | ▲/▲ | ▲/▲ |
| R/L105.1813.01.3.3 | | | | 20 | 35 | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1813.1.3 | | | | 10 | 25 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1813.2.3 | 1,3 | 2,6 | 2,3 | 15 | 30 | 0,15 | 3 | 0,20 | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1813.3.3 | | | | 20 | 35 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1819.005.1.4 | | | | 10 | 25 | | | | | | | ▲/▲ | |
| R/L105.1819.005.2.4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,30 | 4 | 0,05 | | | | ▲/▲ | |
| R/L105.1819.005.3.4 | | | | 20 | 35 | | | | | | | ▲/▲ | |
| R/L105.1819.1.4 | | | | 10 | 25 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1819.2.4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,30 | 4 | 0,20 | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1819.3.4 | | | | 20 | 35 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

o bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

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

HM-Sorten
Carbide grades

Abmessungen in mm

Dimensions in mm

Ausführung R oder L angeben

State R or L version

Weitere Abmessungen auf Anfrage

Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 5,0$ mm

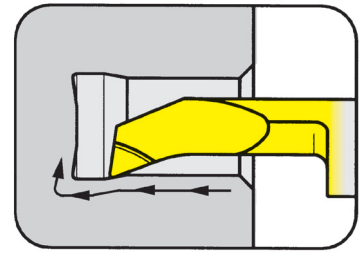
BORING and PROFILING



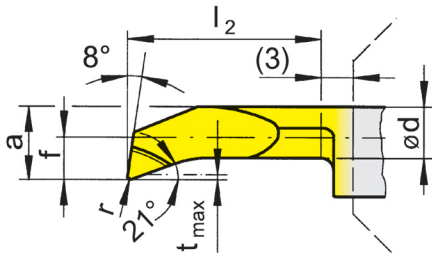
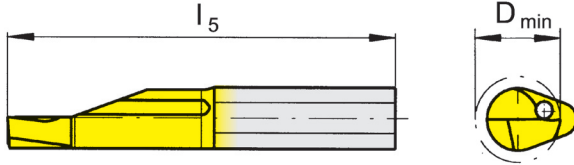
A

SCHNEIDPLATTE Typ INSERT Type

105



Bohrungs- \varnothing ab Bore \varnothing from 5,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 | | | | 10 | 25 | | | | | | | | ▲/▲ | |
| R/L105.1823.005.2.5 | | | | 15 | 30 | | | | | | | | ▲/▲ | |
| R/L105.1823.005.3.5 | 2,3 | 4,7 | 4 | 20 | 35 | 0,5 | 5 | 0,05 | | | | | ▲/▲ | |
| R/L105.1823.005.4.5 | | | | 25 | 40 | | | | | | | | ▲/▲ | |
| R/L105.1823.005.5.5 | | | | 30 | 45 | | | | | | | | ▲/▲ | |
| R/L105.1823.1.5 | | | | 10 | 25 | | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1823.2.5 | | | | 15 | 30 | | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1823.3.5 | 2,3 | 4,7 | 4 | 20 | 35 | 0,5 | 5 | 0,20 | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1823.4.5 | | | | 25 | 40 | | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.1823.5.5 | | | | 30 | 45 | | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | | | |
|---|---|---|---|---|---|
| P | ○ | ● | ● | ● | ● |
| M | ● | ● | ● | ● | ● |
| K | ● | ● | ● | ● | ● |
| N | ● | ● | ● | ● | ● |
| S | ● | ● | ● | ● | ● |
| H | | | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

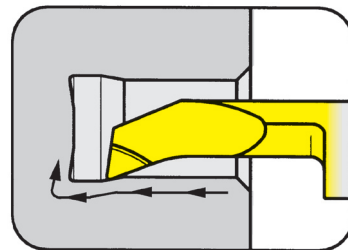
Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

SCHNEIDPLATTE Typ

105

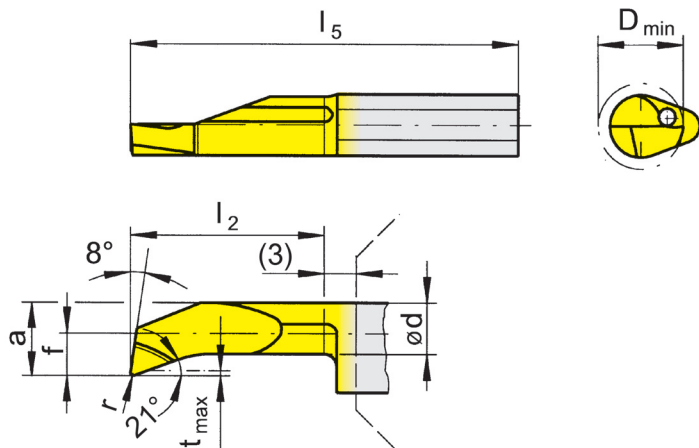
INSERT Type



Bohrungs- \varnothing ab

Bore \varnothing from

6,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer 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 | 3,3 | 5,7 | 4,7 | 15 | 30 | 0,5 | 6,0 | 0,05 | | | | | ▲/▲ | | | |
| R/L105.1833.005.3.6 | | | | 20 | 35 | | | | | | | | ▲/▲ | | | |
| R/L105.1833.005.4.6 | | | | 25 | 40 | | | | | | | | ▲/▲ | | | |
| R/L105.1833.005.5.6 | | | | 30 | 45 | | | | | | | | ▲/▲ | | | |
| R/L105.1833.2.6 | 3,3 | 5,7 | 4,7 | 15 | 30 | 0,5 | 6,0 | 0,20 | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |
| R/L105.1833.3.6 | | | | 20 | 35 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |
| R/L105.1833.4.6 | | | | 25 | 40 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |
| R/L105.1833.5.6 | | | | 30 | 45 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |
| R/L105.1840.005.3.7 | 4,0 | 6,4 | 5,2 | 20 | 35 | 0,5 | 6,8 | 0,05 | | | | | ▲/▲ | | | |
| R/L105.1840.005.4.7 | | | | 25 | 40 | | | | | | | | ▲/▲ | ▲/▲ | ▲/▲ | ▲/▲ |
| R/L105.1840.005.5.7 | | | | 30 | 45 | | | | | | | | ▲/▲ | ▲/▲ | ▲/▲ | ▲/▲ |
| R/L105.1840.3.7 | 4,0 | 6,4 | 5,2 | 20 | 35 | 0,5 | 6,8 | 0,20 | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |
| R/L105.1840.4.7 | | | | 25 | 40 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |
| R/L105.1840.5.7 | | | | 30 | 45 | | | | ▲/▲ | ▲/▲ | ▲/▲ | | ▲/▲ | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

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

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 4,0$ mm

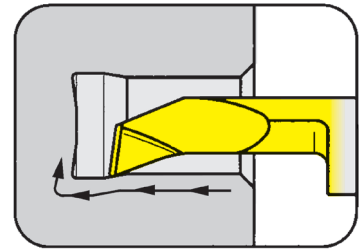
BORING and PROFILING



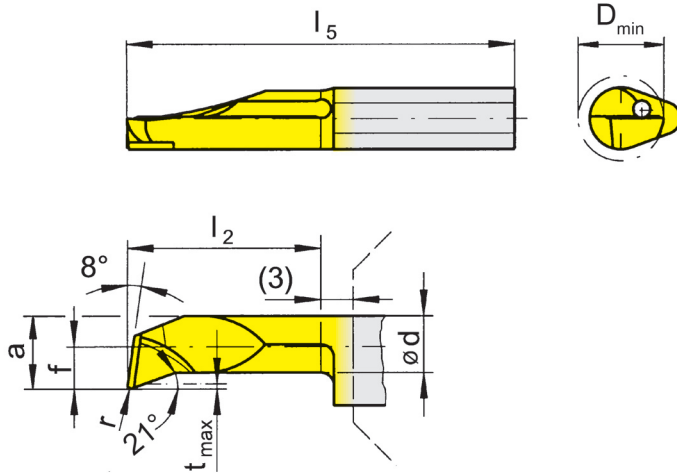
A

SCHNEIDPLATTE Typ INSERT Type

105



Bohrungs- \varnothing ab Bore \varnothing from 4,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

mit Spantreppe
(Geometrie H)
with chip breaker
(geometry H)

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | | MG12 | TN35 | TI25 | TF45 | TH35 |
|------------------------------|-----|-----|-----|-------|-------|-----------|-----------|-----|--|------|------|------|------|------|
| R/L105.1819.1.H4 | | | | 10 | 25 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1819.2.H4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,3 | 4,0 | 0,2 | | | | | ▲/▲ | ▲/▲ |
| R/L105.1819.3.H4 | | | | 20 | 35 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1823.1.H5 | | | | 10 | 25 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1823.2.H5 | | | | 15 | 30 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1823.3.H5 | 2,3 | 4,7 | 4,0 | 20 | 35 | 0,5 | 5,0 | 0,2 | | | | | ▲/▲ | ▲/▲ |
| R/L105.1823.4.H5 | | | | 25 | 40 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1823.5.H5 | | | | 30 | 45 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1833.2.H6 | | | | 15 | 30 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1833.3.H6 | | | | 20 | 35 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1833.4.H6 | 3,3 | 5,7 | 4,7 | 25 | 40 | 0,5 | 6,0 | 0,2 | | | | | ▲/▲ | ▲/▲ |
| R/L105.1833.5.H6 | | | | 30 | 45 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1840.3.H7 | | | | 20 | 35 | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1840.4.H7 | 4,0 | 6,4 | 5,2 | 25 | 40 | 0,5 | 6,8 | 0,2 | | | | | ▲/▲ | ▲/▲ |
| R/L105.1840.5.H7 | | | | 30 | 45 | | | | | | | | ▲/▲ | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | | |
|---|--|--|---|---|
| P | | | ● | ● |
| M | | | ● | ● |
| K | | | ● | ● |
| N | | | ● | ● |
| S | | | ● | ● |
| H | | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 4,0$ mm

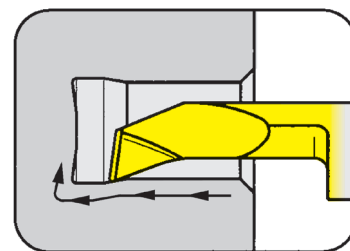
BORING and PROFILING



SCHNEIDPLATTE Typ

105

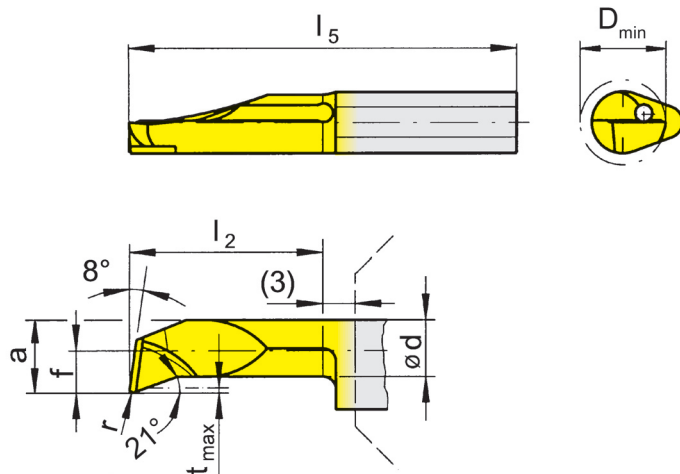
INSERT Type



Bohrungs- \varnothing ab

Bore \varnothing from

4,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

verlängerte Spantrenne
(Geometrie HV)
extended chip breaker
(geometry HV)

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L105.1819.1.HV4 | | | | 10 | 25 | | | | | | | ▲/Δ |
| R/L105.1819.2.HV4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,3 | 4,0 | 0,2 | | | | ▲/Δ |
| R/L105.1819.3.HV4 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.1823.1.HV5 | | | | 10 | 25 | | | | | | | ▲/▲ |
| R/L105.1823.2.HV5 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.1823.3.HV5 | 2,3 | 4,7 | 4,0 | 20 | 35 | 0,5 | 5,0 | 0,2 | | | | ▲/▲ |
| R/L105.1823.4.HV5 | | | | 25 | 40 | | | | | | | ▲/Δ |
| R/L105.1823.5.HV5 | | | | 30 | 45 | | | | | | | ▲/Δ |
| R/L105.1833.2.HV6 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.1833.3.HV6 | | | | 20 | 35 | | | | | | | ▲/▲ |
| R/L105.1833.4.HV6 | 3,3 | 5,7 | 4,7 | 25 | 40 | 0,5 | 6,0 | 0,2 | | | | ▲/Δ |
| R/L105.1833.5.HV6 | | | | 30 | 45 | | | | | | | ▲/Δ |
| R/L105.1840.2.HV7 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.1840.3.HV7 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.1840.4.HV7 | 4,0 | 6,4 | 5,2 | 25 | 40 | 0,5 | 6,8 | 0,2 | | | | ▲/Δ |
| R/L105.1840.5.HV7 | | | | 30 | 45 | | | | | | | ▲/Δ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

o bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | ● |
| M | | | ● |
| K | | | ● |
| N | | | ● |
| S | | | ● |
| H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

BOHRUNG-DREHEN $\geq \varnothing 4,0$ mm

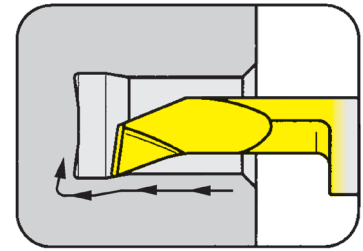
BORING and PROFILING



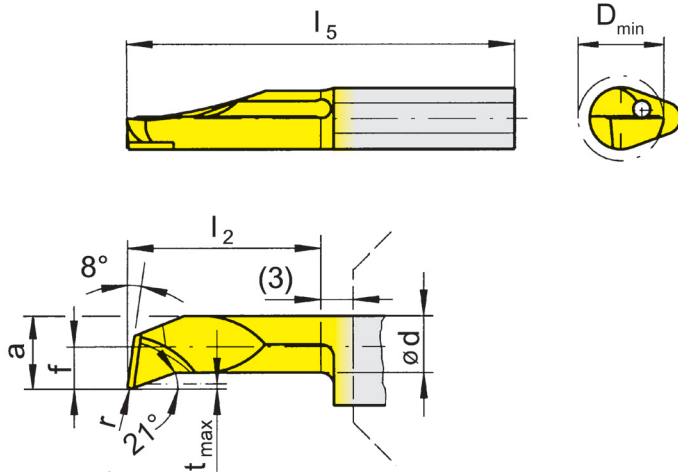
A

SCHNEIDPLATTE Typ INSERT Type

105



Bohrungs- \varnothing ab Bore \varnothing from 4,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

verlängerte Spantrenne
(Geometrie HV)
extended chip breaker
(geometry HV)

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|----------------|----------------|------------------|------------------|-----|------|------|------|------|
| R/L105.1819.04.1.HV4 | | | | 10 | 25 | | | | | | | ▲/▲ |
| R/L105.1819.04.2.HV4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,3 | 4,0 | 0,4 | | | | ▲/Δ |
| R/L105.1819.04.3.HV4 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.1823.04.1.HV5 | | | | 10 | 25 | | | | | | | ▲/▲ |
| R/L105.1823.04.2.HV5 | | | | 15 | 30 | | | | | | | ▲/Δ |
| R/L105.1823.04.3.HV5 | 2,3 | 4,7 | 4,0 | 20 | 35 | 0,5 | 5,0 | 0,4 | | | | ▲/Δ |
| R/L105.1823.04.4.HV5 | | | | 25 | 40 | | | | | | | Δ/Δ |
| R/L105.1823.04.5.HV5 | | | | 30 | 45 | | | | | | | ▲/Δ |
| R/L105.1833.04.2.HV6 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.1833.04.3.HV6 | | | | 20 | 35 | | | | | | | ▲/▲ |
| R/L105.1833.04.4.HV6 | 3,3 | 5,7 | 4,7 | 25 | 40 | 0,5 | 6,0 | 0,4 | | | | ▲/Δ |
| R/L105.1833.04.5.HV6 | | | | 30 | 45 | | | | | | | Δ/Δ |
| R/L105.1840.04.2.HV7 | | | | 15 | 30 | | | | | | | ▲/Δ |
| R/L105.1840.04.3.HV7 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.1840.04.4.HV7 | 4,0 | 6,4 | 5,2 | 25 | 40 | 0,5 | 6,8 | 0,4 | | | | ▲/Δ |
| R/L105.1840.04.5.HV7 | | | | 30 | 45 | | | | | | | ▲/Δ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | ● |
| M | | | ● |
| K | | | ● |
| N | | | ● |
| S | | | ● |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 4,0$ mm

BORING and PROFILING

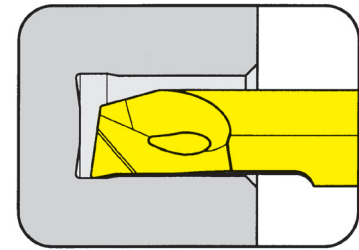


SCHNEIDPLATTE Typ

INSERT Type

105

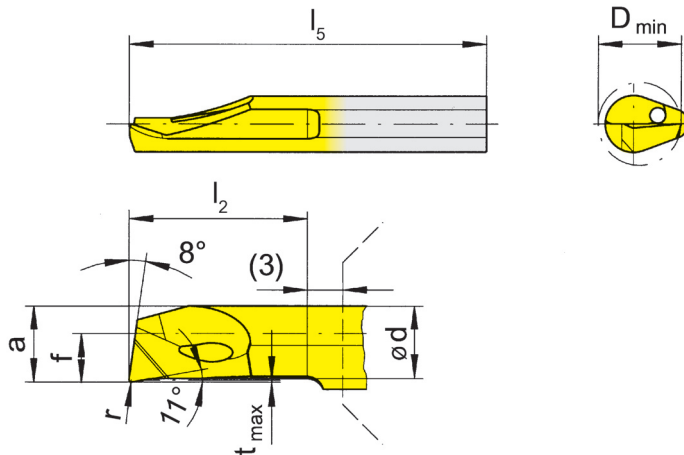
verstärkte Ausführung
reinforced version



Bohrungs- \varnothing ab

Bore \varnothing from

4,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-------|-------|-----------|-----------|------|--|------|------|------|------|
| R/L105.1019.005.1.4 | | | | 10 | 25 | | | | | | | | ▲/▲ |
| R/L105.1019.005.2.4 | 1,5 | 3,7 | 3,4 | 15 | 30 | 0,15 | 4 | 0,05 | | | | | ▲/Δ |
| R/L105.1019.005.3.4 | | | | 20 | 35 | | | | | | | | ▲/▲ |
| R/L105.1019.005.4.4 | | | | 25 | 40 | | | | | | | | ▲/▲ |
| R/L105.1019.1.4 | | | | 10 | 25 | | | | | | | | ▲/▲ |
| R/L105.1019.2.4 | 1,5 | 3,7 | 3,4 | 15 | 30 | 0,15 | 4 | 0,20 | | | | | ▲/▲ |
| R/L105.1019.3.4 | | | | 20 | 35 | | | | | | | | ▲/Δ |
| R/L105.1019.4.4 | | | | 25 | 40 | | | | | | | | ▲/▲ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

○ bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

| | P | M | K | N | S | H |
|------|---|---|---|---|---|---|
| MG12 | ● | ● | ● | ● | ● | ● |
| TN35 | ● | ● | ● | ● | ● | ● |
| TI25 | ● | ● | ● | ● | ● | ● |
| TH35 | ● | ● | ● | ● | ● | ● |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 5,0$ mm

BORING and PROFILING



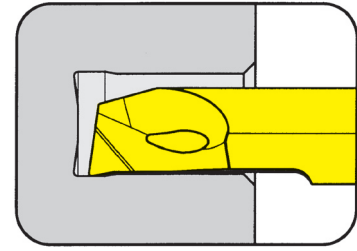
A

SCHNEIDPLATTE Typ

INSERT Type

105

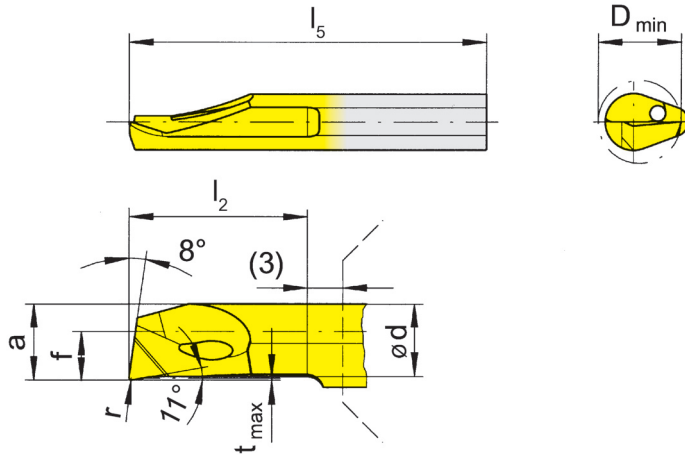
verstärkte Ausführung
reinforced version



Bohrungs- \varnothing ab

Bore \varnothing from

5,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-------|-------|-----------|-----------|------|------|------|------|------|
| R/L105.1023.005.1.5 | | | | 10 | 25 | | | | | | | ▲/▲ |
| R/L105.1023.005.2.5 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.1023.005.3.5 | 2,8 | 4,7 | 4,4 | 20 | 35 | 0,15 | 5 | 0,05 | | | | ▲/▲ |
| R/L105.1023.005.4.5 | | | | 25 | 40 | | | | | | | ▲/▲ |
| R/L105.1023.005.5.5 | | | | 30 | 45 | | | | | | | ▲/▲ |
| R/L105.1023.005.6.5 | | | | 35 | 50 | | | | | | | ▲/▲ |
| R/L105.1023.1.5 | | | | 10 | 25 | | | | | | | ▲/▲ |
| R/L105.1023.2.5 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.1023.3.5 | 2,8 | 4,7 | 4,4 | 20 | 35 | 0,15 | 5 | 0,20 | | | | ▲/▲ |
| R/L105.1023.4.5 | | | | 25 | 40 | | | | | | | ▲/▲ |
| R/L105.1023.5.5 | | | | 30 | 45 | | | | | | | ▲/▲ |
| R/L105.1023.6.5 | | | | 35 | 50 | | | | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

BORING and PROFILING

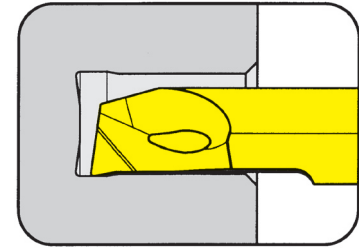


SCHNEIDPLATTE Typ

INSERT Type

105

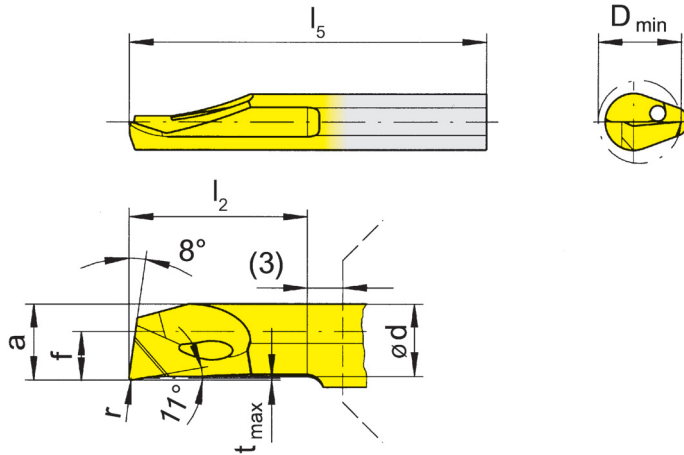
verstärkte Ausführung
reinforced version



Bohrungs- \varnothing ab

Bore \varnothing from

6,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | | MG12 | TN35 | TI25 | TH35 |
|---|-----|-----|-----|-------|-------|-----------|-----------|------|--|------|------|------|------|
| R/L105.1033.005.1.6 | | | | 10 | 25 | | | | | | | | ▲/▲ |
| R/L105.1033.005.2.6 | | | | 15 | 30 | | | | | | | | ▲/▲ |
| R/L105.1033.005.3.6 | 3,3 | 5,7 | 5,4 | 20 | 35 | 0,15 | 6 | 0,05 | | | | | ▲/▲ |
| R/L105.1033.005.4.6 | | | | 25 | 40 | | | | | | | | ▲/▲ |
| R/L105.1033.005.5.6 | | | | 30 | 45 | | | | | | | | ▲/▲ |
| R/L105.1033.005.6.6 | | | | 35 | 50 | | | | | | | | ▲/▲ |
| R/L105.1033.1.6 | | | | 10 | 25 | | | | | | | | ▲/▲ |
| R/L105.1033.2.6 | | | | 15 | 30 | | | | | | | | ▲/▲ |
| R/L105.1033.3.6 | 3,3 | 5,7 | 5,4 | 20 | 35 | 0,15 | 6 | 0,20 | | | | | ▲/▲ |
| R/L105.1033.4.6 | | | | 25 | 40 | | | | | | | | ▲/▲ |
| R/L105.1033.5.6 | | | | 30 | 45 | | | | | | | | ▲/▲ |
| R/L105.1033.6.6 | | | | 35 | 50 | | | | | | | | ▲/▲ |
| ▲ ab Lager / on stock | | | | | | | | | | | | | • |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | | | | | • |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | | | | | • |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | | | | | • |
| beschichtete HM-Sorten / coated grades | | | | | | | | | | | | | • |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | | | | | • |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 6,8$ mm

BORING and PROFILING



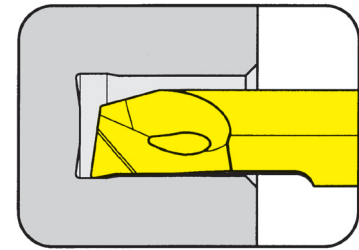
A

SCHNEIDPLATTE Typ

INSERT Type

105

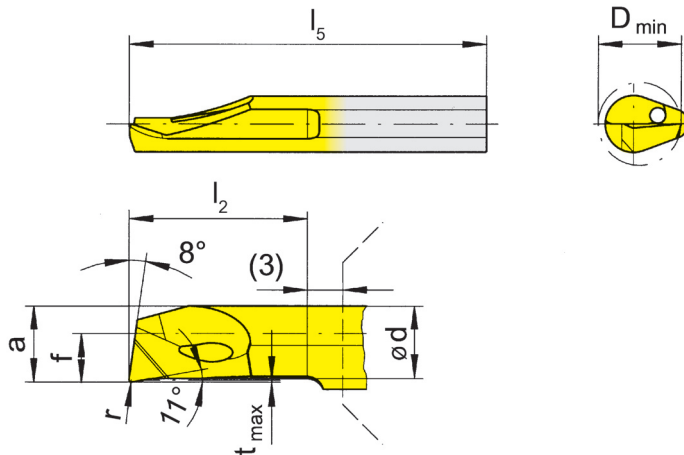
verstärkte Ausführung
reinforced version



Bohrungs- \varnothing ab

Bore \varnothing from

6,8 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|---|---|-----|-----|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L105.1040.1.7 | | | | 10 | 25 | | | | | | | ▲▲ |
| R/L105.1040.2.7 | | | | 15 | 30 | | | | | | | ▲▲ |
| R/L105.1040.3.7 | 4 | 6,4 | 6,1 | 20 | 35 | 0,15 | 6,8 | 0,2 | | | | ▲▲ |
| R/L105.1040.4.7 | | | | 25 | 40 | | | | | | | ▲▲ |
| R/L105.1040.5.7 | | | | 30 | 45 | | | | | | | ▲▲ |
| R/L105.1040.6.7 | | | | 35 | 50 | | | | | | | ▲▲ |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | | | • |
| ● Haupteinsatzbereich / main recommendation | | | | | | | | | M | | | • |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | | | • |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | | | • |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | | | S | | | • |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | • |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 4,0$ mm

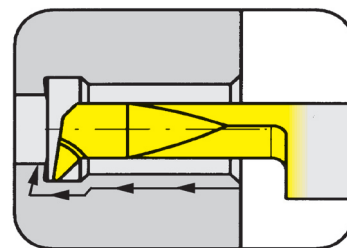
BORING and PROFILING



SCHNEIDPLATTE Typ

105

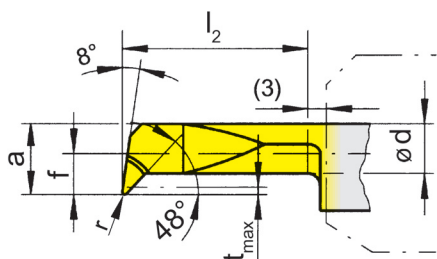
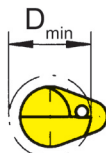
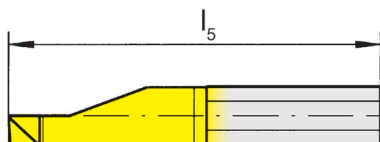
INSERT Type



Bohrungs- \varnothing ab

Bore \varnothing from

4,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | | MG12 | TN35 | TI25 | TH35 |
|------------------------------------|-----|-----|-----|----------|----------|-----------|-----------|------|--|------|------|------|------|
| R/L105.4719.1.4 R/L105.4719.3.4 | 1,9 | 3,7 | 2,9 | 10 20 | 25 35 | 0,6 | 4 | 0,15 | | | ▲/▲ | ▲/▲ | ▲/▲ |
| R/L105.4723.2.5 R/L105.4723.4.5 | 2,3 | 4,7 | 3,7 | 15 25 | 30 40 | 0,8 | 5 | 0,15 | | | ▲/▲ | ▲/▲ | ▲/▲ |
| R/L105.4733.3.6 R/L105.4733.5.6 | 3,3 | 5,7 | 3,7 | 20 30 | 35 45 | 1,8 | 6 | 0,15 | | | ▲/▲ | | ▲/▲ |
| | | | | | | | | | | P | • | • | • |
| | | | | | | | | | | M | • | • | • |
| | | | | | | | | | | K | • | • | • |
| | | | | | | | | | | N | • | • | • |
| | | | | | | | | | | S | • | • | • |
| | | | | | | | | | | H | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 3,0$ mm

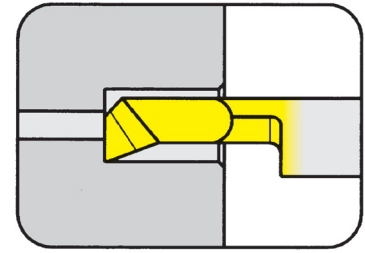
BORING and PROFILING



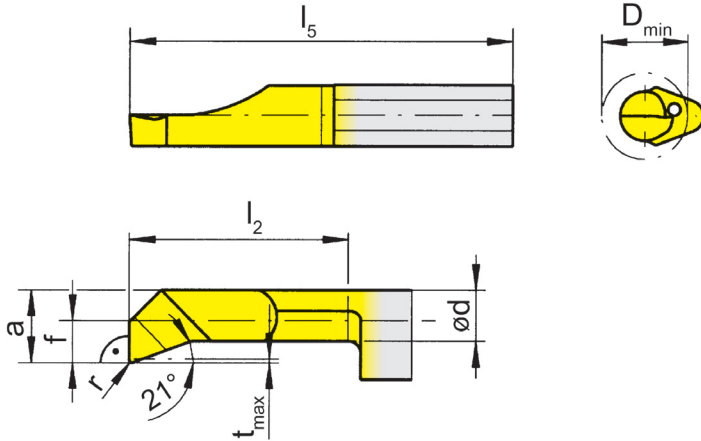
A

SCHNEIDPLATTE Typ INSERT Type

105



Bohrungs- \varnothing ab Bore \varnothing from 3,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|--|-----|-----|-----|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L105.9013.01.1.3 | | | | 10 | 25 | | | | | | | ▲/Δ |
| R/L105.9013.01.2.3 | 1,3 | 2,6 | 2,3 | 15 | 30 | 0,15 | 3 | 0,1 | | | | ▲/Δ |
| R/L105.9013.01.3.3 | | | | 20 | 35 | | | | | | | |
| R/L105.9013.1.3 | 1,3 | 2,6 | 2,3 | 10 | 25 | 0,15 | 3 | 0,2 | | ▲/▲ | | |
| R/L105.9013.2.3 | 1,3 | 2,6 | 2,3 | 15 | 30 | 0,15 | 3 | 0,2 | | ▲/▲ | | |
| R/L105.9019.01.1.4 | | | | 10 | 25 | | | | | | | ▲/Δ |
| R/L105.9019.01.2.4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,30 | 4 | 0,1 | | | | ▲/Δ |
| R/L105.9019.01.3.4 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.9019.1.4 | 1,9 | 3,7 | 2,9 | 10 | 25 | 0,30 | 4 | 0,2 | | ▲/▲ | | |
| R/L105.9019.2.4 | 1,9 | 3,7 | 2,9 | 15 | 30 | 0,30 | 4 | 0,2 | | ▲/▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks ● Haupteinsatzbereich / main recommendation ○ bedingt einsetzbar / alternative recommendation ■ unbeschichtete HM-Sorten / uncoated grades ■ beschichtete HM-Sorten / coated grades ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | P | ● | ● | ● |
| | | | | | | | | | M | ● | ● | ● |
| | | | | | | | | | K | ● | ● | ● |
| | | | | | | | | | N | ● | ● | ● |
| | | | | | | | | | S | ● | ● | ● |
| | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 5,0$ mm

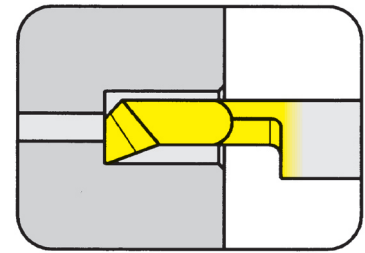
BORING and PROFILING



SCHNEIDPLATTE Typ

105

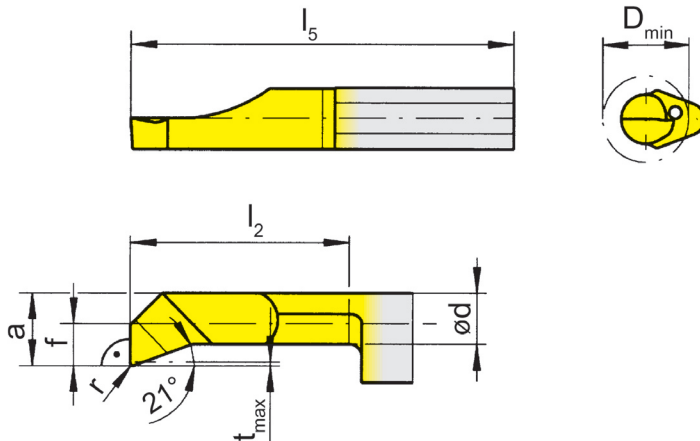
INSERT Type



Bohrungs- \varnothing ab

Bore \varnothing from

5,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L105.9023.01.1.5 | 2,3 | 4,7 | 4,0 | 10 | 25 | 0,5 | 5 | 0,1 | | | | ▲/Δ |
| R/L105.9023.01.2.5 | | | | 15 | 30 | | | | | | | ▲/Δ |
| R/L105.9023.01.3.5 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.9023.01.4.5 | | | | 25 | 40 | | | | | | | ▲/ |
| R/L105.9023.1.5 | 2,3 | 4,7 | 4,0 | 10 | 25 | 0,5 | 5 | 0,2 | | | | ▲/ |
| R/L105.9023.2.5 | | | | 15 | 30 | | | | | | | ▲/▲ |
| R/L105.9023.3.5 | | | | 20 | 35 | | | | | | | ▲/▲ |
| R/L105.9033.1.6 | 3,3 | 5,7 | 4,7 | 10 | 25 | 0,5 | 6 | 0,2 | | | | Δ/ |
| R/L105.9033.2.6 | | | | 15 | 30 | | | | | | | ▲/Δ |
| R/L105.9033.3.6 | | | | 20 | 35 | | | | | | | ▲/Δ |
| R/L105.9033.4.6 | | | | 25 | 40 | | | | | | | ▲/Δ |
| R/L105.9033.5.6 | | | | 30 | 45 | | | | | | | ▲/Δ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|---|---|
| P | ● | ● | ● |
| M | ● | ● | ● |
| K | ● | ● | ● |
| N | ● | ● | ● |
| S | ● | ● | ● |
| H | | | |

HM-Sorten
Carbide grades

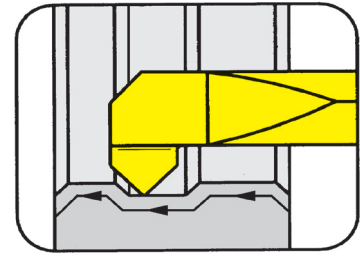
Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

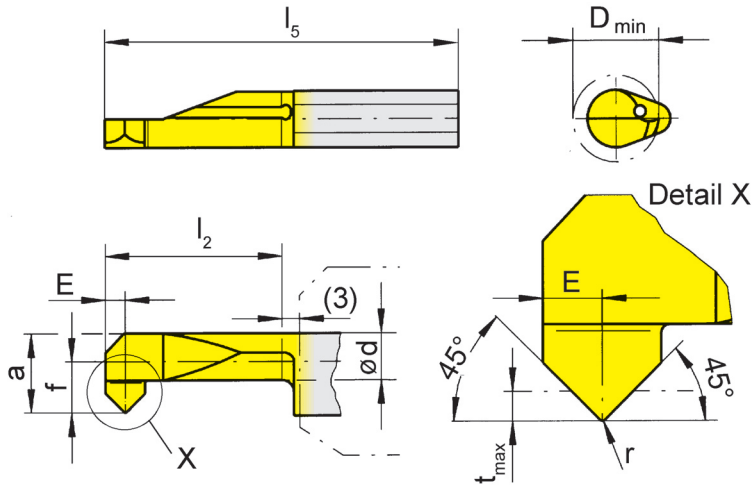
Weitere Abmessungen auf Anfrage
Further sizes upon request

SCHNEIDPLATTE Typ INSERT Type

105



Bohrungs-Ø ab Bore Ø from 5,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | E | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | Ti25 | TH35 |
|------------------------------|---|-----|-----|-----|----------------|----------------|------------------|------------------|-----|------|------|------|------|
| R/L105.4545.2.5 | 1 | 2,3 | 4,7 | 3,5 | 15 | 30 | 0,7 | 5 | 0,2 | | ▲/▲ | | |
| R/L105.4545.3.7 | 1 | 4,0 | 6,4 | 4,7 | 20 | 35 | 0,7 | 7 | 0,2 | | ▲/▲ | | |
| | | | | | | | | | | P | • | | |
| | | | | | | | | | | M | • | | |
| | | | | | | | | | | K | • | | |
| | | | | | | | | | | N | • | | |
| | | | | | | | | | | S | • | | |
| | | | | | | | | | | H | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|--|--|
| P | • | | |
| M | • | | |
| K | • | | |
| N | • | | |
| S | • | | |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

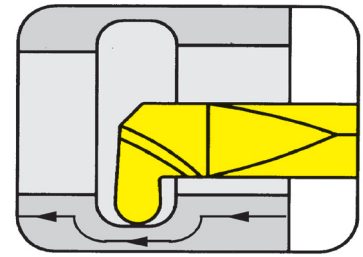
Weitere Abmessungen auf Anfrage
Further sizes upon request

EINSTECHEN (innen) $\geq \text{Ø } 4,0 \text{ mm}$ GROOVING (internal)

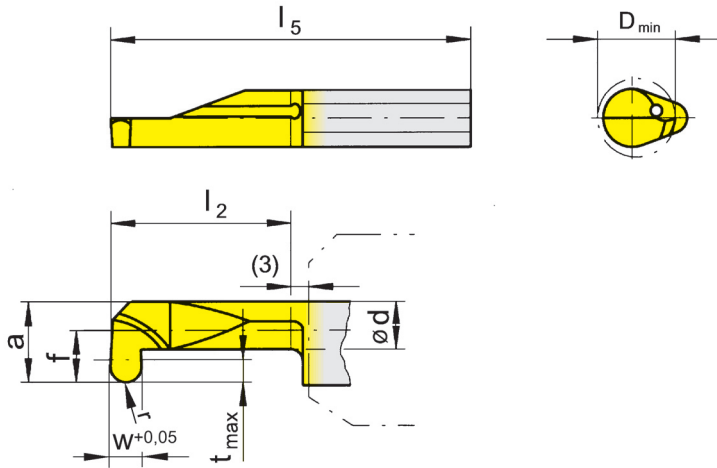


SCHNEIDPLATTE Typ
INSERT Type

105

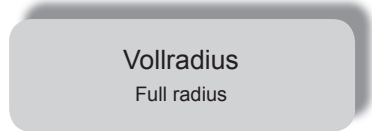


| | | |
|---------------|-------------|----------------|
| Bohrungs-Ø ab | Bore Ø from | 4,0 mm |
| Vollradius | Full radius | r 0,5 - 1,0 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| R/L105.0005.1.4 | 1,0 | 1,9 | 3,7 | 2,7 | 10 | 25 | 0,8 | 4 | 0,50 | | | ▲/▲ |
| R/L105.0005.2.4 | 1,0 | 1,9 | 3,7 | 2,7 | 15 | 30 | 0,8 | 4 | 0,50 | | ▲/▲ | |
| R/L105.0007.1.5 | 1,5 | | | | | | | | 0,75 | | | ▲/▲ |
| R/L105.0010.1.5 | 2,0 | 2,3 | 4,7 | 3,5 | 10 | 25 | 1,0 | 5 | 1,00 | | | ▲/▲ |
| R/L105.0005.3.5 | 1,0 | | | | | | | | 0,50 | | ▲/▲ | |
| R/L105.0007.3.5 | 1,5 | 2,3 | 4,7 | 3,5 | 20 | 35 | 1,0 | 5 | 0,75 | | ▲/▲ | |
| R/L105.0010.3.5 | 2,0 | | | | | | | | 1,00 | | ▲/▲ | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | |
|---|---|---|
| P | • | • |
| M | • | • |
| K | • | • |
| N | • | • |
| S | • | • |
| H | | |

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

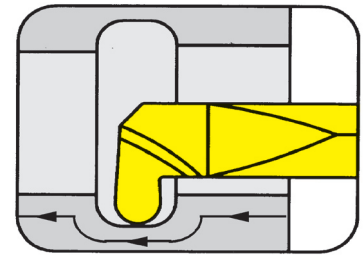
EINSTECHEN (innen) $\geq \text{Ø } 6,0 \text{ mm}$ GROOVING (internal)



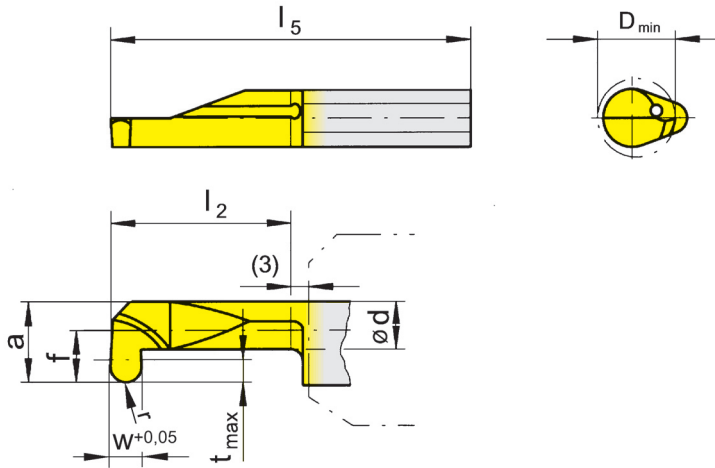
A

SCHNEIDPLATTE Typ INSERT Type

105



| | | |
|-----------------------------|----------------------------|--------------------------|
| Bohrungs-Ø ab Vollradius | Bore Ø from Full radius | 6,0 mm r 0,5 - 1,0 mm |
|-----------------------------|----------------------------|--------------------------|



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

Vollradius
Full radius

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|------|
| R/L105.0005.2.6 | 1,0 | | | | | | | | 0,50 | | | | ▲/▲ |
| R/L105.0007.2.6 | 1,5 | 3,3 | 5,7 | 3,7 | 15 | 30 | 1,8 | 6 | 0,75 | | | | ▲/▲ |
| R/L105.0010.2.6 | 2,0 | | | | | | | | 1,00 | | | | ▲/▲ |
| R/L105.0005.4.6 | 1,0 | | | | | | | | 0,50 | | ▲/▲ | | |
| R/L105.0007.4.6 | 1,5 | 3,3 | 5,7 | 3,7 | 25 | 40 | 1,8 | 6 | 0,75 | | ▲/▲ | | |
| R/L105.0010.4.6 | 2,0 | | | | | | | | 1,00 | | ▲/▲ | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|---|---|
| P | • | • | • |
| M | • | • | • |
| K | • | • | • |
| N | • | • | • |
| S | • | • | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

EINSTECHEN (innen) $\geq \text{Ø } 6,8 \text{ mm}$

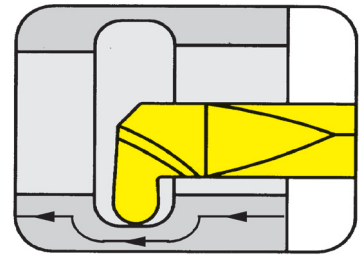
GROOVING (internal)



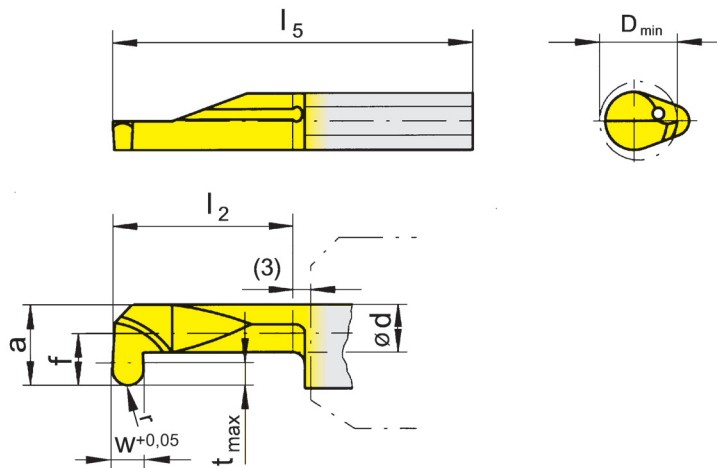
SCHNEIDPLATTE Typ

105

INSERT Type



Bohrungs-Ø ab Bore Ø from 6,8 mm
Vollradius Full radius r 0,5 - 1,0 mm



für Einbaualter Graf
for use with Cartridge Graf

Typ B105
Type BKT105
H105
HC105
VDI

Vollradius
Full radius

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|---|-----|-----|-------|-------|-----------|------------|------|------|------|------|------|
| R/L105.0005.3.7 | 1,0 | | | | | | | | 0,50 | | | | ▲/▲ |
| R/L105.0007.3.7 | 1,5 | 4 | 6,4 | 3,7 | 20 | 35 | 2,5 | 6,8 | 0,75 | | | | ▲/▲ |
| R/L105.0010.3.7 | 2,0 | | | | | | | | 1,00 | | | | ▲/▲ |
| R/L105.0005.5.7 | 1,0 | | | | | | | | 0,50 | | ▲/▲ | | |
| R/L105.0007.5.7 | 1,5 | 4 | 6,4 | 3,7 | 30 | 45 | 2,5 | 6,8 | 0,75 | | ▲/▲ | | |
| R/L105.0010.5.7 | 2,0 | | | | | | | | 1,00 | | ▲/▲ | | |
| | | | | | | | | | | P | • | • | • |
| | | | | | | | | | | M | • | • | • |
| | | | | | | | | | | K | • | • | • |
| | | | | | | | | | | N | • | • | • |
| | | | | | | | | | | S | • | • | • |
| | | | | | | | | | | H | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

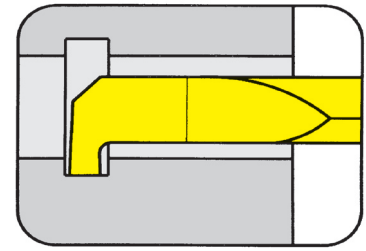
EINSTECHEN (innen) $\geq \text{Ø } 2,0 \text{ mm}$ GROOVING (internal)



A

SCHNEIDPLATTE Typ INSERT Type

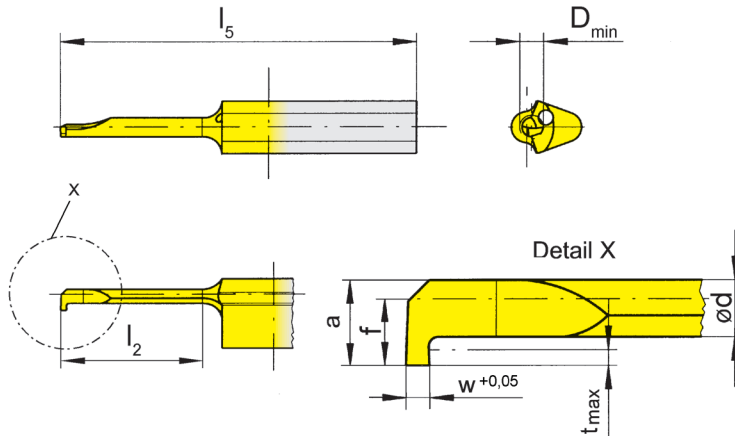
105



| | | |
|----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 2,0 mm |
| Stechtiefe bis | Depth of groove up to | 0,4 mm |

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 | |
|--|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|--|
| R/L105.0050.0.2 | | | | | 6 | 25 | | | | | ▲/▲ | | |
| R/L105.0050.1.2 | 0,5 | 1,4 | 1,8 | 1,2 | 9 | 25 | 0,4 | 2 | | | ▲/▲ | | |
| R/L105.0050.2.2 | | | | | 12 | 30 | | | | | ▲/▲ | | |
| <ul style="list-style-type: none"> ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks ● Haupteinsatzbereich / main recommendation o bedingt einsetzbar / alternative recommendation ■ unbeschichtete HM-Sorten / uncoated grades ■ beschichtete HM-Sorten / coated grades ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | | P | | ● | |
| | | | | | | | | | | M | | ● | |
| | | | | | | | | | | K | | ● | |
| | | | | | | | | | | N | | ● | |
| | | | | | | | | | | S | | ● | |
| | | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

EINSTECHEN (innen) $\geq \text{Ø } 3,0 \text{ mm}$

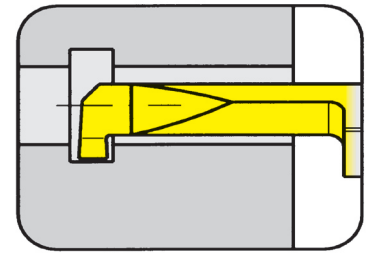
GROOVING (internal)



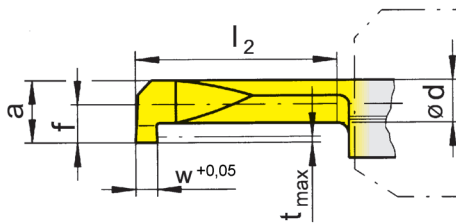
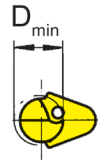
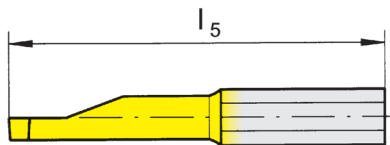
SCHNEIDPLATTE Typ

105

INSERT Type



| | | |
|----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 3,0 mm |
| Stechtiefe bis | Depth of groove up to | 0,6 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| R/L105.0070.1.3 | | | | | 8 | 25 | | | | | ▲/▲ | |
| R/L105.0070.2.3 | 0,7 | 1,4 | 2,7 | 1,9 | 12 | 30 | 0,6 | 3 | | | ▲/▲ | |
| R/L105.0070.3.3 | | | | | 16 | 35 | | | | | ▲/▲ | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | | • | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | | • | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | | • | |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | | • | |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | | | S | | • | |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

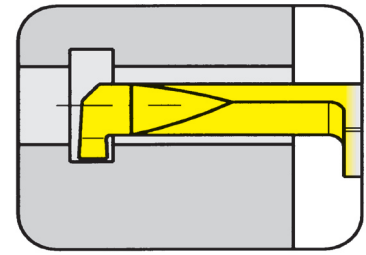
EINSTECHEN (innen) $\geq \text{Ø} 4,0 \text{ mm}$ GROOVING (internal)



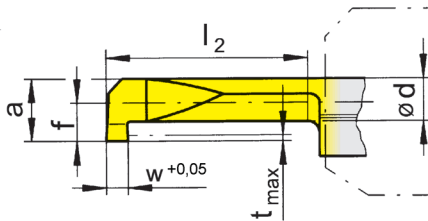
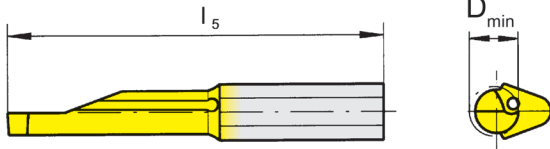
A

SCHNEIDPLATTE Typ INSERT Type

105



| | | |
|----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 4,0 mm |
| Stechtiefe bis | Depth of groove up to | 0,8 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 |
|--|---|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| R/L105.0100.1.4 | | | | | 10 | 25 | | | ▲/▲ | ▲/▲ | | |
| R/L105.0100.2.4 | 1 | 1,9 | 3,7 | 2,7 | 15 | 30 | 0,8 | 4 | ▲/▲ | ▲/▲ | | |
| R/L105.0100.3.4 | | | | | 20 | 35 | | | ▲/▲ | ▲/▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks ● Haupteinsatzbereich / main recommendation ○ bedingt einsetzbar / alternative recommendation ■ unbeschichtete HM-Sorten / uncoated grades ■ beschichtete HM-Sorten / coated grades ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | P | ○ | ● | |
| | | | | | | | | | M | ● | ● | |
| | | | | | | | | | K | ● | ● | |
| | | | | | | | | | N | ● | ● | |
| | | | | | | | | | S | ● | ● | |
| | | | | | | | | | H | | | |

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

EINSTECHEN (innen) $\geq \text{Ø } 5,0 \text{ mm}$

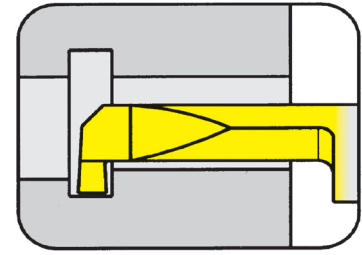
GROOVING (internal)



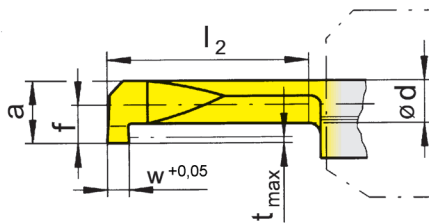
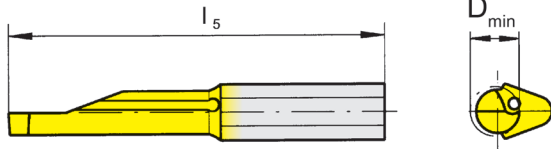
SCHNEIDPLATTE Typ

105

INSERT Type



| | | |
|----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 5,0 mm |
| Stechtiefe bis | Depth of groove up to | 1,0 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | Ti25 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| | | | | | | | | | | | | |
| R/L105.0100.1.5 | 1,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.1.5 | 1,5 | 2,3 | 4,7 | 3,5 | 10 | 25 | 1 | 5 | ▲/ | ▲/▲ | | ▲/Δ |
| R/L105.0200.1.5 | 2,0 | | | | | | | | ▲/Δ | ▲/▲ | | ▲/Δ |
| R/L105.0100.2.5 | 1,0 | | | | | | | | ▲/Δ | ▲/▲ | | ▲/Δ |
| R/L105.0150.2.5 | 1,5 | 2,3 | 4,7 | 3,5 | 15 | 30 | 1 | 5 | ▲/Δ | ▲/▲ | | ▲/Δ |
| R/L105.0200.2.5 | 2,0 | | | | | | | | ▲/Δ | ▲/▲ | | ▲/Δ |
| R/L105.0100.3.5 | 1,0 | | | | | | | | ▲/Δ | ▲/▲ | | ▲/Δ |
| R/L105.0150.3.5 | 1,5 | 2,3 | 4,7 | 3,5 | 20 | 35 | 1 | 5 | ▲/Δ | ▲/▲ | | ▲/▲ |
| R/L105.0200.3.5 | 2,0 | | | | | | | | Δ/ | ▲/Δ | | ▲/Δ |
| R/L105.0100.4.5 | 1,0 | | | | | | | | | ▲/Δ | | Δ/Δ |
| R/L105.0150.4.5 | 1,5 | 2,3 | 4,7 | 3,5 | 25 | 40 | 1 | 5 | | ▲/Δ | | ▲/Δ |
| R/L105.0200.4.5 | 2,0 | | | | | | | | | ▲/Δ | | Δ/Δ |
| R/L105.0100.5.5 | 1,0 | | | | | | | | | ▲/Δ | | ▲/Δ |
| R/L105.0150.5.5 | 1,5 | 2,3 | 4,7 | 3,5 | 30 | 45 | 1 | 5 | | ▲/Δ | | ▲/Δ |
| R/L105.0200.5.5 | 2,0 | | | | | | | | | ▲/Δ | | Δ/Δ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

o bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|---|---|
| P | o | ● | ● |
| M | ● | ● | ● |
| K | ● | ● | ● |
| N | ● | ● | ● |
| S | ● | ● | ● |
| H | | | |

Abmessungen in mm

Dimensions in mm

Ausführung R oder L angeben

State R or L version

Weitere Abmessungen auf Anfrage

Further sizes upon request

HM-Sorten
Carbide grades

EINSTECHEN (innen) $\geq \varnothing 6,0$ mm

GROOVING (internal)

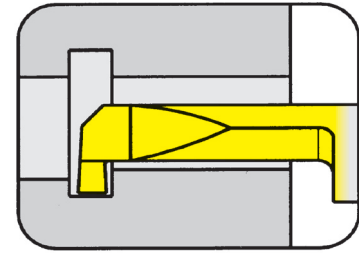


A

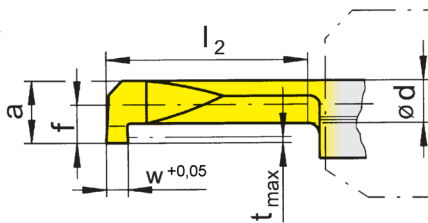
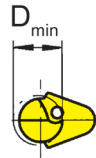
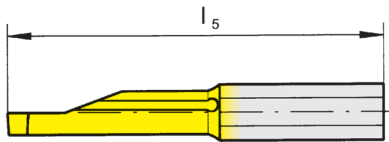
SCHNEIDPLATTE Typ

INSERT Type

105



| | | |
|----------------------------|-------------------------|--------|
| Bohrungs- \varnothing ab | Bore \varnothing from | 6,0 mm |
| Stechtiefe bis | Depth of groove up to | 1,8 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | T125 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| | | | | | | | | | | | | |
| R/L105.0100.1.6 | 1,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.1.6 | 1,5 | 3,3 | 5,7 | 3,7 | 10 | 25 | 1,8 | 6 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0200.1.6 | 2,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0100.2.6 | 1,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.2.6 | 1,5 | 3,3 | 5,7 | 3,7 | 15 | 30 | 1,8 | 6 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0200.2.6 | 2,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0100.3.6 | 1,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.3.6 | 1,5 | 3,3 | 5,7 | 3,7 | 20 | 35 | 1,8 | 6 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0200.3.6 | 2,0 | | | | | | | | ▲/ | ▲/▲ | | ▲/▲ |
| R/L105.0100.4.6 | 1,0 | | | | | | | | | ▲/▲ | | ▲/▲ |
| R/L105.0150.4.6 | 1,5 | 3,3 | 5,7 | 3,7 | 25 | 40 | 1,8 | 6 | | ▲/▲ | | ▲/▲ |
| R/L105.0200.4.6 | 2,0 | | | | | | | | | ▲/▲ | | ▲/▲ |
| R/L105.0100.5.6 | 1,0 | | | | | | | | | ▲/▲ | | ▲/▲ |
| R/L105.0150.5.6 | 1,5 | 3,3 | 5,7 | 3,7 | 30 | 45 | 1,8 | 6 | | ▲/▲ | | ▲/▲ |
| R/L105.0200.5.6 | 2,0 | | | | | | | | | ▲/▲ | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

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

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

EINSTECHEN (innen) $\geq \text{Ø } 6,8 \text{ mm}$

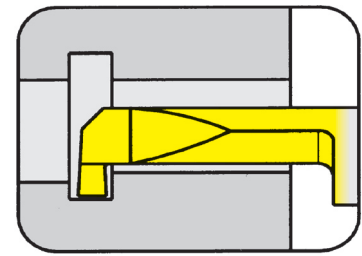
GROOVING (internal)



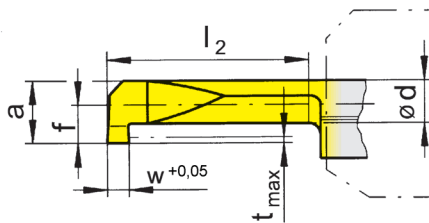
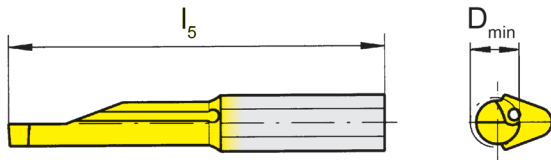
SCHNEIDPLATTE Typ

105

INSERT Type



| | | |
|----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 6,8 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | HM-Sorten / Carbide grades | | | |
|------------------------------|-----|---|-----|-----|----------------|----------------|------------------|------------------|----------------------------|------|------|------|
| | | | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/L105.0100.1.7 | 1,0 | | | | | | | 6,8 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.1.7 | 1,5 | 4 | 6,4 | 3,7 | 10 | 25 | 2,5 | 6,8 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0200.1.7 | 2,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0100.2.7 | 1,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.2.7 | 1,5 | 4 | 6,4 | 3,7 | 15 | 30 | 2,5 | 6,8 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0200.2.7 | 2,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0100.3.7 | 1,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0150.3.7 | 1,5 | 4 | 6,4 | 3,7 | 20 | 35 | 2,5 | 6,8 | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0200.3.7 | 2,0 | | | | | | | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0100.4.7 | 1,0 | | | | | | | | | ▲/▲ | | ▲/▲ |
| R/L105.0150.4.7 | 1,5 | 4 | 6,4 | 3,7 | 25 | 40 | 2,5 | 6,8 | | ▲/▲ | | ▲/▲ |
| R/L105.0200.4.7 | 2,0 | | | | | | | | | ▲/▲ | | ▲/▲ |
| R/L105.0100.5.7 | 1,0 | | | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.0150.5.7 | 1,5 | 4 | 6,4 | 3,7 | 30 | 45 | 2,5 | 6,8 | | ▲/▲ | | ▲/▲ |
| R/L105.0200.5.7 | 2,0 | | | | | | | | | ▲/▲ | | ▲/▲ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

○ bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

| | | | | |
|---|---|---|---|---|
| P | ○ | ● | ● | ● |
| M | ● | ● | ● | ● |
| K | ● | ● | ● | ● |
| N | ● | ● | ● | ● |
| S | ● | ● | ● | ● |
| H | | | | |

Abmessungen in mm

Dimensions in mm

Ausführung R oder L angeben

State R or L version

Weitere Abmessungen auf Anfrage

Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

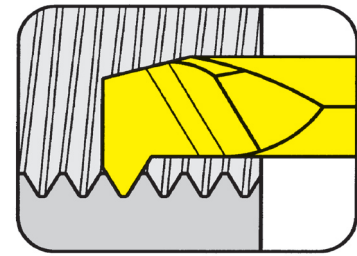


A

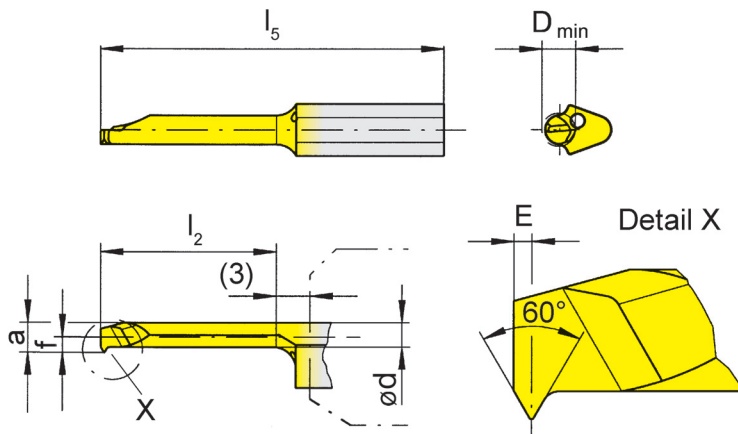
SCHNEIDPLATTE Typ

INSERT Type

105



| | | |
|---------------|-------------|-----------|
| Bohrungs-Ø ab | Bore Ø from | 3,00 mm |
| Steigung | Pitch | P 0,25 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|------|-----|-----|-----|-----|----------------|----------------|------------------|------|------|------|------|
| R/L105.0102.2.3 | 0,25 | 0,3 | 1,4 | 2,7 | 2,2 | 15 | 30 | 3 | | ▲/△ | | |
| ▲ ab Lager / on stock △ 4 Wochen / 4 weeks | | | | | | | | | P | • | | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | • | | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | • | | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | • | | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | S | • | | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

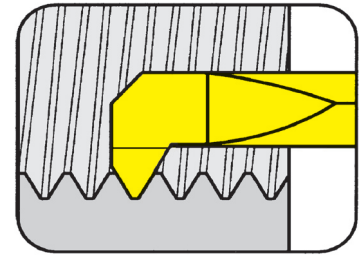


SCHNEIDPLATTE Typ

105

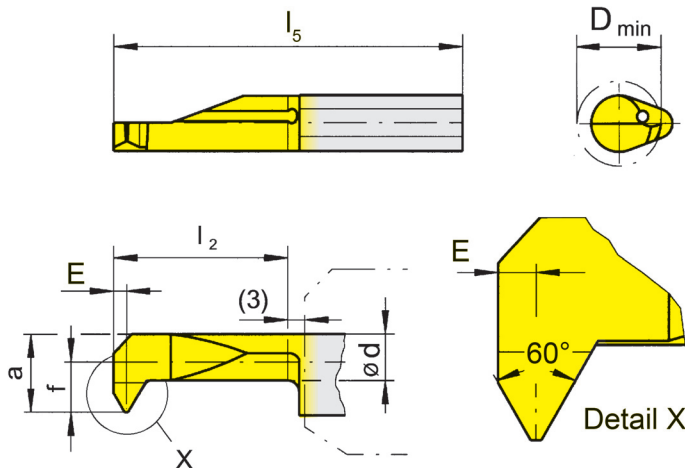
INSERT Type

| | | |
|---------------|-------------|-----------|
| Bohrungs-Ø ab | Bore Ø from | 3,00 mm |
| Steigung | Pitch | P 0,35 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|------|-----|-----|-----|-----|----------------|----------------|------------------|------|------|------|------|
| R/L105.0203.1.3 | 0,35 | 0,3 | 1,4 | 2,7 | 2,1 | 10 | 25 | 3 | | ▲/Δ | | |
| R/L105.0203.2.5 | 0,35 | 0,3 | 2,3 | 4,7 | 3,5 | 15 | 30 | 5 | | ▲/▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | • | | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | • | | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | • | | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | • | | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | S | • | | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

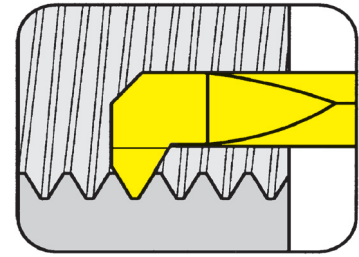


A

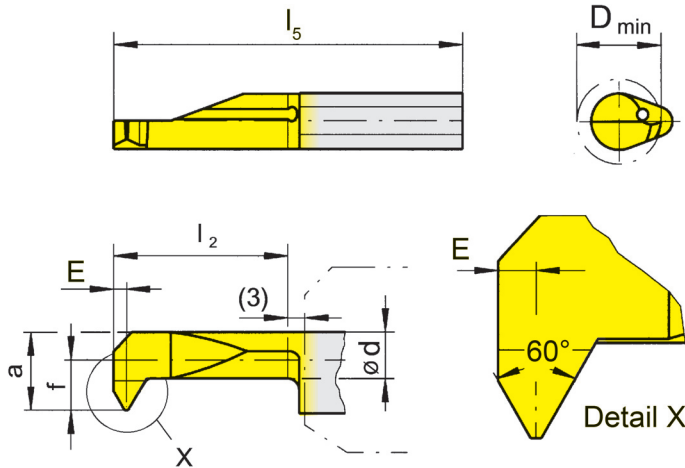
SCHNEIDPLATTE Typ

INSERT Type

105



| | | |
|---------------|-------------|-----------|
| Bohrungs-Ø ab | Bore Ø from | 3,00 mm |
| Steigung | Pitch | P 0,50 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|-----|------|-----|-----|-----|----------------|----------------|------------------|------|------|------|------|
| R/L105.0205.2.3 | 0,5 | 0,35 | 1,4 | 2,7 | 2,1 | 15 | 30 | 3 | | ▲/▲ | | |
| R/L105.0205.2.4 | | | | | | 15 | 30 | | | ▲/▲ | | ▲/Δ |
| R/L105.0205.3.4 | 0,5 | 0,35 | 1,9 | 3,7 | 2,7 | 20 | 35 | 4 | | ▲/ | | |
| R/L105.0205.2.5 | | | | | | 15 | 30 | | ▲/Δ | ▲/▲ | | ▲/▲ |
| R/L105.0205.3.5 | 0,5 | 0,35 | 2,3 | 4,7 | 3,5 | 20 | 35 | 5 | | ▲/Δ | | |
| R/L105.0205.4.5 | | | | | | 25 | 40 | | | ▲/ | | |
| R/L105.0205.3.6 | 0,5 | 0,35 | 3,3 | 5,7 | 4,8 | 20 | 35 | 6 | | ▲/ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | o | • | • |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | • | • | • |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | • | • | • |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | • | • | • |
| beschichtete HM-Sorten / coated grades | | | | | | | | | S | • | • | • |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

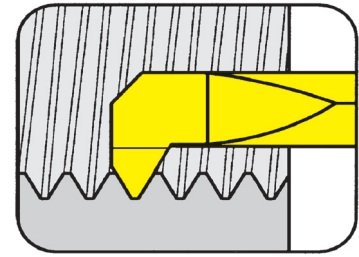


SCHNEIDPLATTE Typ

105

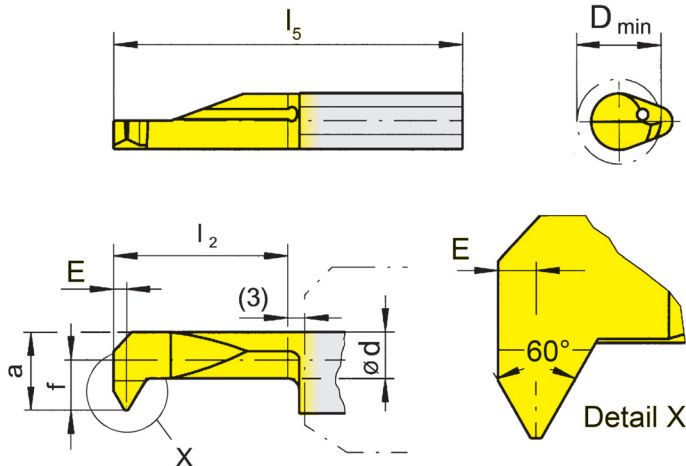
INSERT Type

Bohrungs-Ø ab Bore Ø from 3,00 mm
Steigung Pitch P 0,50 - 0,75 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | P _{max} | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | TI25 | 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 | | | | | | | 10 | 25 | | | ▲/Δ | | |
| R/L105.0407.2.4 | 0,5 | 0,75 | 0,45 | 1,9 | 3,7 | 2,7 | 15 | 30 | 4 | | ▲/Δ | | |
| R/L105.0407.3.4 | | | | | | | 20 | 35 | | | ▲/Δ | | |
| R/L105.0407.2.5 | | | | | | | 15 | 30 | | | ▲/▲ | | ▲/Δ |
| R/L105.0407.3.5 | 0,5 | 0,75 | 0,45 | 2,3 | 4,7 | 3,5 | 20 | 35 | 5 | | ▲/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 | | ▲/ | | |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

• Haupteinsatzbereich / main recommendation

o bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|---|---|
| P | • | • | • |
| M | • | • | • |
| K | • | • | • |
| N | • | • | • |
| S | • | • | • |
| H | | | |

HM-Sorten
Carbide grades

Abmessungen in mm

Dimensions in mm

Ausführung R oder L angeben

State R or L version

Weitere Abmessungen auf Anfrage

Further sizes upon request

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

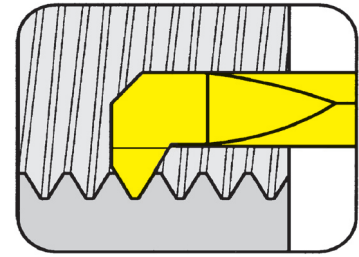


A

SCHNEIDPLATTE Typ

INSERT Type

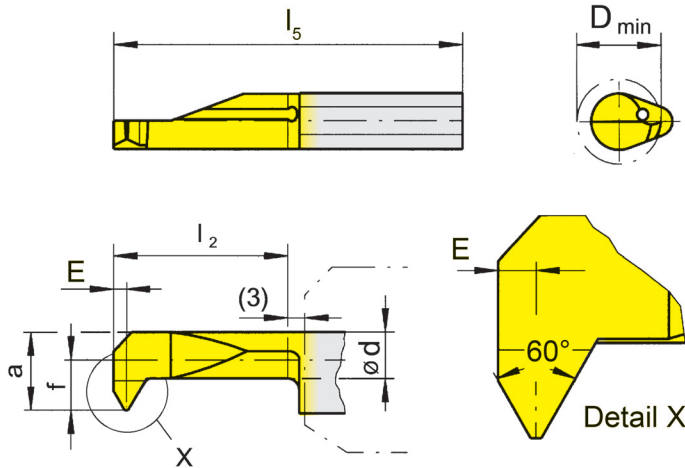
105



| | | |
|---------------|-------------|----------------|
| Bohrungs-Ø ab | Bore Ø from | 4,8 mm |
| Steigung | Pitch | P 1,0 - 1,5 mm |

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | E | f | a | d | l ₂ | l ₅ | D _{min} | HM-Sorten / Carbide grades | | | |
|------------------------------|------|------|-----|-----|-----|----------------|----------------|------------------|----------------------------|------|------|------|
| | | | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/L105.0510.2.5 | | | | | | 15 | 30 | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0510.3.5 | 1,00 | 0,55 | 2,1 | 4,5 | 3,5 | 20 | 35 | 4,8 | ▲/▲ | ▲/▲ | | |
| 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/L105.0612.2.6 | | | | | | 15 | 30 | | ▲/▲ | ▲/▲ | | ▲/▲ |
| R/L105.0612.3.6 | 1,25 | 0,65 | 3,3 | 5,7 | 3,7 | 20 | 35 | 6,0 | | ▲/▲ | | |
| R/L105.0612.4.6 | | | | | | 25 | 40 | | ▲/▲ | | | |
| R/L105.0815.2.7 | | | | | | 15 | 30 | | | ▲/▲ | | ▲/▲ |
| R/L105.0815.3.7 | 1,50 | 0,75 | 4,0 | 6,4 | 3,7 | 20 | 35 | 7,0 | | ▲/▲ | | |
| R/L105.0815.4.7 | | | | | | 25 | 40 | | ▲/▲ | | | |

| | |
|---|----------------------|
| ▲ ab Lager / on stock | Δ 4 Wochen / 4 weeks |
| ● Haupteinsatzbereich / main recommendation | |
| ○ bedingt einsetzbar / alternative recommendation | |
| ■ unbeschichtete HM-Sorten / uncoated grades | |
| ■ beschichtete HM-Sorten / coated grades | |
| ■ bestückt/Cermet / brazed/Cermet | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Vollprofil

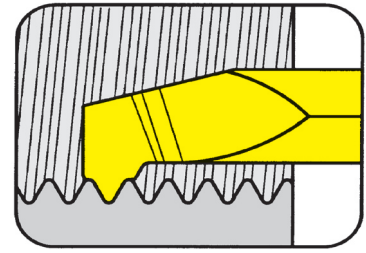
THREADING (internal) Full profile



SCHNEIDPLATTE Typ

INSERT Type

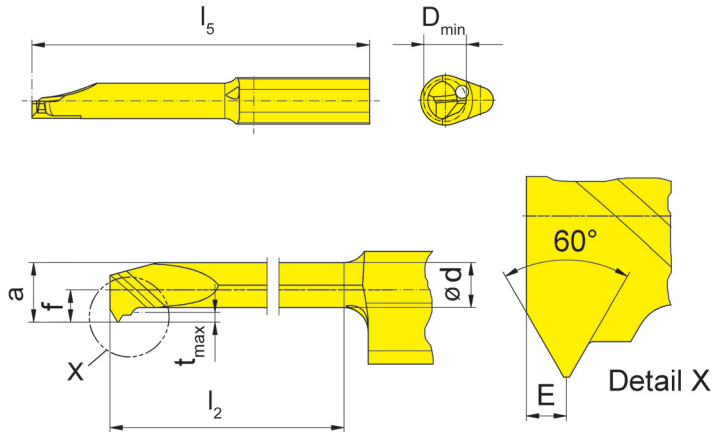
105



| | | |
|---------------|-------------|------------------|
| Bohrungs-Ø ab | Bore Ø from | 2,40 mm |
| Steigung | Pitch | P 0,50 - 1,25 mm |

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|------|-----|-----|-----|------|----------------|----------------|------------------|------|------|------|------|
| R/L105.VPM3.2.3 R/L105.VPM3.4.3 | 0,50 | 0,3 | 1,4 | 2,2 | 1,65 | 9 16 | 25 35 | 2,4 | | | | ▲/Δ |
| R/L105.VPM4.2.4 R/L105.VPM4.3.4 | 0,70 | 0,4 | 1,5 | 2,9 | 2,10 | 15 20 | 30 35 | 3,2 | | | | ▲/Δ |
| R/L105.VPM5.2.5 R/L105.VPM5.4.5 | 0,80 | 0,5 | 2,0 | 3,7 | 2,80 | 15 25 | 30 40 | 4,1 | | | | ▲/▲ |
| R/L105.VPM6.3.6 R/L105.VPM6.4.6 R/L105.VPM6.5.6 | 1,00 | 0,5 | 2,4 | 4,5 | 3,40 | 20 25 30 | 35 40 45 | 4,9 | | | | ▲/Δ |
| R/L105.VPM8.3.8 R/L105.VPM8.5.8 | 1,25 | 0,7 | 3,8 | 6,2 | 4,70 | 20 30 | 35 45 | 6,6 | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

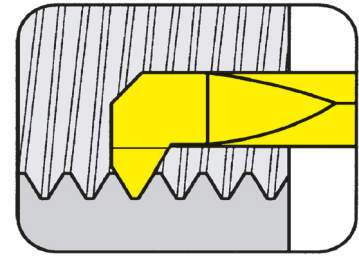


A

SCHNEIDPLATTE Typ

INSERT Type

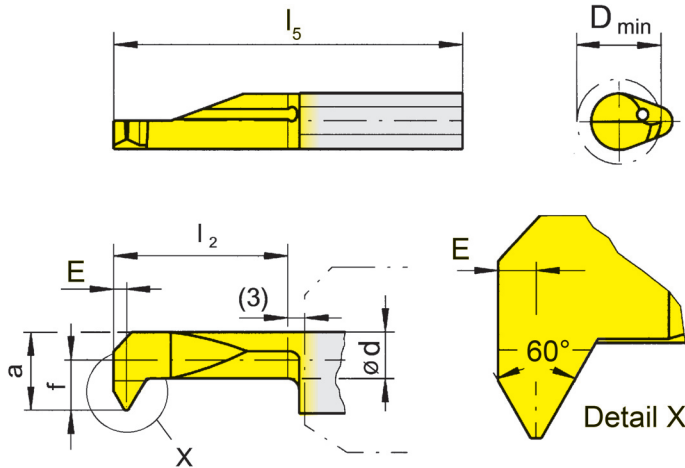
105



| | | |
|---------------|------------------|---------|
| Bohrungs-Ø ab | Bore Ø from | 4,0 mm |
| Gang pro Zoll | Threads per inch | 16 - 40 |

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Gewinde UN
Thread UN

| Bestellnummer Part number | Gang/Zoll Threads per Inch | E | f | a | d | I ₂ | I ₅ | D _{min} | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-------------------------------|------|-----|-----|-----|----------------|----------------|------------------|------|------|------|------|
| R/L105.3240.2.4 | 32 - 40 | 0,45 | 1,9 | 3,7 | 2,7 | 15 | 30 | 4 | | ▲/▲ | | |
| R/L105.1620.2.5 | 16 - 20 | 0,70 | 2,3 | 4,7 | 3,3 | 15 | 30 | 5 | | | | ▲/▲ |
| R/L105.1620.3.5 | | | | | | | | | | | | ▲/▲ |
| R/L105.2428.2.5 | 24 - 28 | 0,55 | 2,3 | 4,7 | 3,5 | 15 | 30 | 5 | | ▲/▲ | | |
| R/L105.3240.2.5 | 32 - 40 | 0,45 | | | | | | | ▲/▲ | | | |
| R/L105.1620.2.6 | 16 - 20 | 0,70 | 3,3 | 5,7 | 3,7 | 15 | 30 | 6 | | ▲/▲ | | |
| R/L105.1620.3.6 | | | | | | | | | 20 | 35 | ▲/▲ | |
| R/L105.1620.4.6 | | | | | | | | | 25 | 40 | ▲/▲ | |
| R/L105.2428.2.6 | 24 - 28 | 0,55 | 3,3 | 5,7 | 3,7 | 15 | 30 | 6 | | ▲/▲ | | |
| R/L105.2428.3.6 | | | | | | | | | 20 | 35 | ▲/▲ | |
| R/L105.2428.4.6 | | | | | | | | | 25 | 40 | ▲/▲ | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|---|---|
| P | ● | ● | ● |
| M | ● | ● | ● |
| K | ● | ● | ● |
| N | ● | ● | ● |
| S | ● | ● | ● |
| H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Vollprofil

THREADING (internal) Full profile

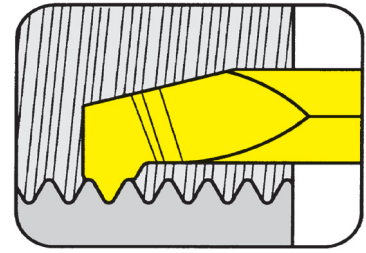


SCHNEIDPLATTE Typ

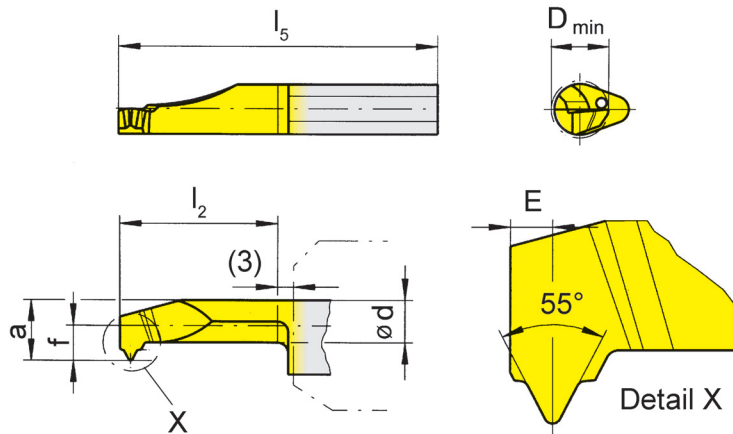
INSERT Type

105

Whitworth-Gewinde
Whitworth thread



| | | |
|---------------|------------------|---------|
| Bohrungs-Ø ab | Bore Ø from | 4,0 mm |
| Gang pro Zoll | Threads per inch | 20 - 28 |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Gewinde BSW/BSF
Thread BSW/BSF

| Bestellnummer Part number | E | f | a | d | l_2 | l_5 | D_{min} | MG12 | TN35 | TI25 | TH35 |
|---|-----|-----|-----|-----|-------|-------|-----------|------|------|------|------|
| R105.5520.2.4 | 1,0 | 1,9 | 3,7 | 2,5 | 15 | 30 | 4 | | ▲ | | |
| R/L105.5524.2.5 | | | | | | | | | Δ/Δ | | |
| R/L105.5526.2.5 | 0,8 | 2,3 | 4,7 | 3,5 | 15 | 30 | 5 | | ▲/Δ | | |
| R/L105.5528.2.5 | | | | | | | | | ▲/Δ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | P | • | | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | M | • | | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | K | • | | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | N | • | | |
| beschichtete HM-Sorten / coated grades | | | | | | | | S | • | | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Vollprofil

THREADING (internal) Full profile



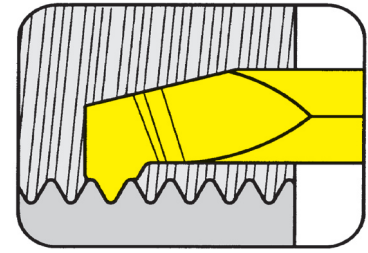
A

SCHNEIDPLATTE Typ

INSERT Type

105

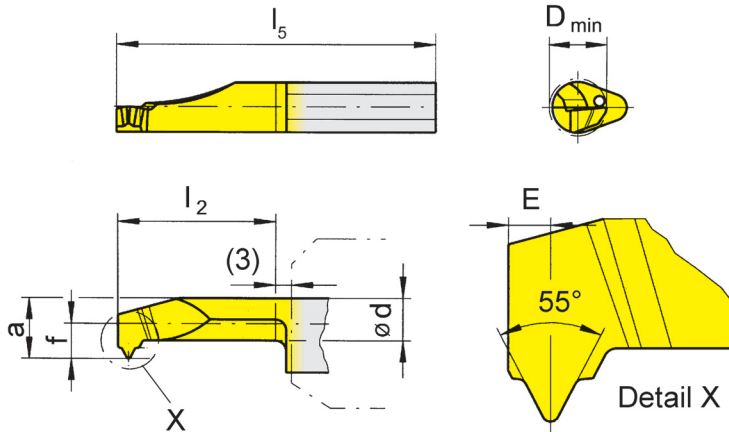
Whitworth-Gewinde
Whitworth thread



| | | |
|--------------------------------|---------------------------------|-------------------|
| Bohrungs-Ø ab Gang pro Zoll | Bore Ø from Threads per inch | 6,0 mm 19 - 28 |
|--------------------------------|---------------------------------|-------------------|

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Gewinde BSW/BSF
Thread BSW/BSF

| Bestellnummer Part number | Gang/Zoll Threads per Inch | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------|------|------|------|
| R/L105.5524.2.6 | 24 | 0,8 | | | | | | | | ▲/ | | |
| R/L105.5526.2.6 | 26 | 0,8 | | | | | | | | ▲/ | | |
| R/L105.5528.2.6 | 28 | 0,8 | | | | | | | | ▲/Δ | | |
| R/L105.5519.2.6 | 19 | 1,0 | 3,3 | 5,7 | 3,7 | 15 | 30 | 6 | | ▲/▲ | | |
| R/L105.5520.2.6 | 20 | 1,0 | | | | | | | | ▲/Δ | | |
| R/L105.5522.2.6 | 22 | 1,0 | | | | | | | | Δ/ | | |
| R/L105.5528.3.6 | 28 | 0,8 | 3,3 | 5,7 | 3,7 | 20 | 35 | 6 | | ▲/Δ | | |
| R105.5524.3.6 | 24 | 0,8 | | | | | | | | Δ | | |
| R105.5526.3.6 | 26 | 0,8 | | | | | | | | Δ | | |
| R105.5519.3.6 | 19 | 1,0 | 3,3 | 5,7 | 3,7 | 20 | 35 | 6 | | ▲ | | |
| R105.5522.3.6 | 22 | 1,0 | | | | | | | | Δ | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|--|--|
| P | • | | |
| M | • | | |
| K | • | | |
| N | • | | |
| S | • | | |
| H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

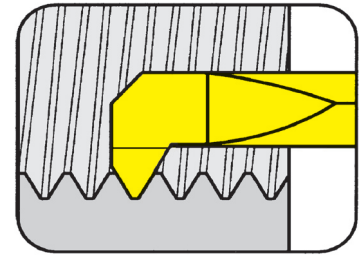


SCHNEIDPLATTE Typ

105

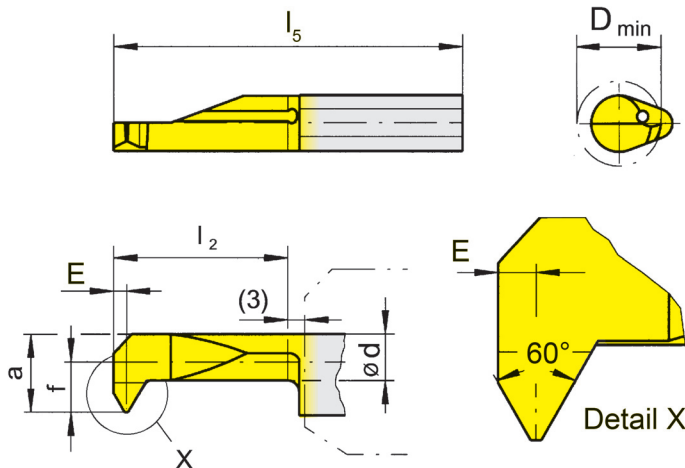
INSERT Type

| | | |
|---------------|------------------|---------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Gang pro Zoll | Threads per inch | 18 - 27 |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Gewinde NPT / NPTF
Thread NPT / NPTF

| Bestellnummer Part number | E | f | a | d | l ₂ | l ₅ | D _{min} | HM-Sorten | | | |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|-----------|------|------|------|
| | | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/L105.NP18.2.6 | 1,0 | | | | 15 | 30 | 6 | /Δ | ▲/▲ | | |
| R/L105.NP18.3.6 | 1,0 | | | | 20 | 35 | | | Δ/Δ | | Δ/Δ |
| R/L105.NP18.4.6 | 1,0 | | | | 25 | 40 | | | Δ/Δ | | Δ/Δ |
| R/L105.NP27.2.6 | 0,8 | 3,3 | 5,7 | 3,7 | 15 | 30 | | | ▲/Δ | /Δ | |
| R/L105.NP27.3.6 | 0,8 | | | | 20 | 35 | | | Δ/Δ | Δ/ | Δ/Δ |
| R/L105.NP27.4.6 | 0,8 | | | | 25 | 40 | | | Δ/Δ | | Δ/Δ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

o bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

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

Abmessungen in mm

Dimensions in mm

Ausführung R oder L angeben

State R or L version

Weitere Abmessungen auf Anfrage

Further sizes upon request

HM-Sorten
Carbide grades

VORSTECHEN und FASEN (innen)

PREGROOVING and CHAMFERING (internal)

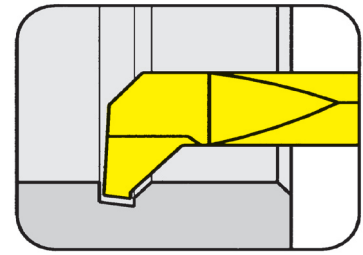


A

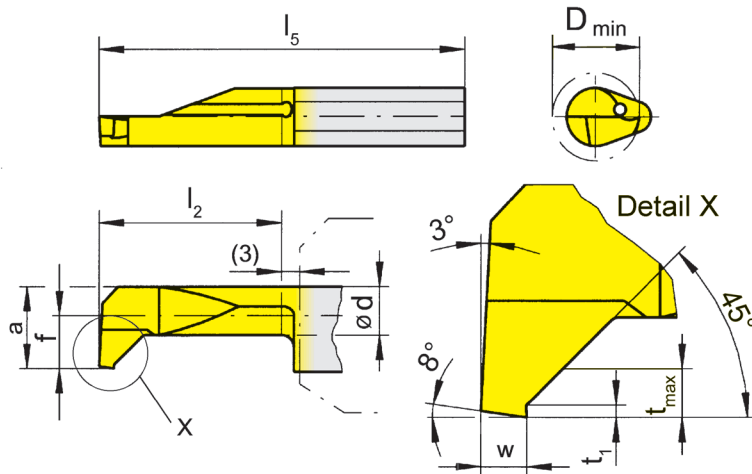
SCHNEIDPLATTE Typ

INSERT Type

105



Bohrungs-Ø ab Bore Ø from 3,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t ₁ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 |
|--|-----|-----|-----|-----|----------------------|----------------------|----------------|------------------|------------------|------|-------------------|------|------|
| R/L105.0810.1.3 R/L105.0810.2.3 | 0,7 | 1,4 | 2,7 | 2,0 | 10 15 | 25 30 | 0,2 | 0,5 | 3 | | ▲/▲ ▲/▲ | | |
| R/L105.0810.1.4 R/L105.0810.2.4 R/L105.0810.3.4 | 1,0 | 1,9 | 3,7 | 2,7 | 10 15 20 | 25 30 35 | 0,2 | 0,7 | 4 | | ▲/▲ ▲/▲ ▲/▲ | | |
| R/L105.0810.2.5 R/L105.0810.3.5 R/L105.0810.4.5 R/L105.0810.5.5 | 1,0 | 2,3 | 4,7 | 3,5 | 15 20 25 30 | 30 35 40 45 | 0,2 | 0,7 | 5 | ▲/▲ | ▲/▲ ▲/▲ ▲/▲ | ▲/▲ | |
| R/L105.0810.5.6 R/L105.0810.7.6 | 1,0 | 3,1 | 5,5 | 4,2 | 30 40 | 45 55 | 0,2 | 1,0 | 6 | | ▲/▲ ▲/▲ | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | | |
|---|---|---|---|---|
| P | ○ | ● | ● | ● |
| M | ● | ● | ● | ● |
| K | ● | ● | ● | ● |
| N | ● | ● | ● | ● |
| S | ● | ● | ● | ● |
| H | | | | |

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

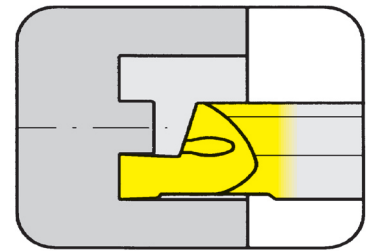
AXIALEINSTECHEN

FACE GROOVING

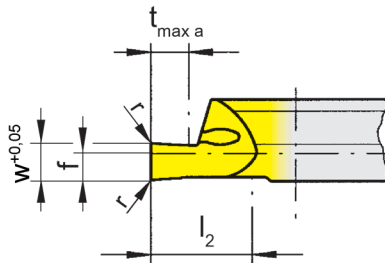
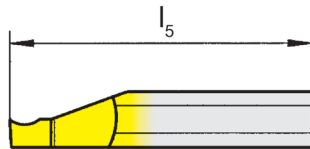
SCHNEIDPLATTE Typ

105

INSERT Type



| | | |
|-----------------|-----------------------|--------|
| Nutaußen-Ø ab | from outer groove Ø | 5,0 mm |
| Stechtiefe | Depth of groove | 5,0 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | r | f | l ₂ | l ₅ | t _{max a} | D _{a min} | HM-Sorten / Carbide grades | | | |
|------------------------------|-----|------|---|----------------|----------------|--------------------|--------------------|----------------------------|------|------|------|
| | | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/L105.0510.1.8 | 1,0 | | | | | 2 | | ▲/▲ | | ▲/▲ | |
| R/L105.0515.1.8 | 1,5 | 0,05 | 2 | 10 | 25 | 3 | 5 | ▲/▲ | | ▲/▲ | |
| R/L105.0520.1.8 | 2,0 | | | | | 5 | | ▲/▲ | | ▲/▲ | |
| R/L105.0510.2.8 | 1,0 | | | | | 2 | | △/△ | | ▲/▲ | |
| R/L105.0515.2.8 | 1,5 | 0,05 | 2 | 15 | 35 | 3 | 5 | △/△ | | ▲/▲ | |
| R/L105.0520.2.8 | 2,0 | | | | | 5 | | △/△ | | ▲/▲ | |

▲ ab Lager / on stock △ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

○ bedingt einsetzbar / alternative recommendation

■ unbeschichtete HM-Sorten / uncoated grades

■ beschichtete HM-Sorten / coated grades

■ bestückt/Cermet / brazed/Cermet

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

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

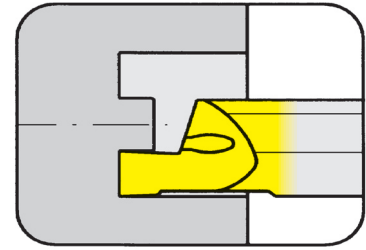
AXIALEINSTECHEN FACE GROOVING



A

SCHNEIDPLATTE Typ INSERT Type

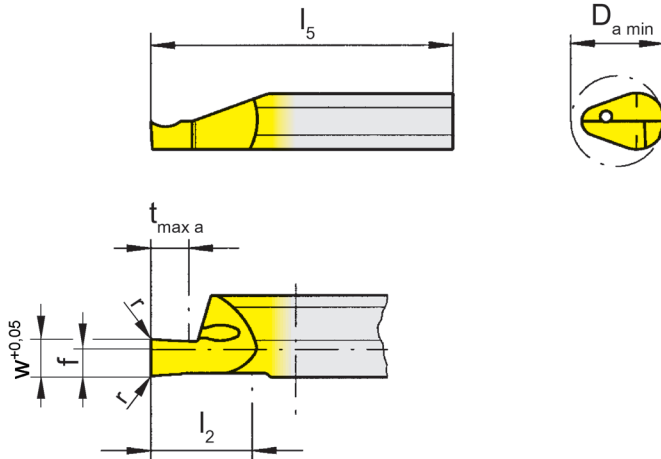
105



| | | |
|-----------------|-----------------------|--------|
| Nutaußen-Ø ab | from outer groove Ø | 6,0 mm |
| Stechtiefe | Depth of groove | 5,0 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | r | f | l ₂ | l ₅ | t _{max a} | D _{a min} | Material | | | |
|------------------------------|-----|------|---|----------------|----------------|--------------------|--------------------|----------|------|------|------|
| | | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/L105.0610.1.8 | 1,0 | | | | | 2 | | ▲/▲ | | ▲/▲ | |
| R/L105.0615.1.8 | 1,5 | 0,05 | 2 | 10 | 25 | 3 | 6 | ▲/▲ | | ▲/▲ | |
| R/L105.0620.1.8 | 2,0 | | | | | 5 | | ▲/▲ | | ▲/▲ | |
| R/L105.0610.2.8 | 1,0 | | | | | 2 | | △/△ | | ▲/△ | |
| R/L105.0615.2.8 | 1,5 | 0,05 | 2 | 15 | 35 | 3 | 6 | ▲/ | | ▲/△ | |
| R/L105.0620.2.8 | 2,0 | | | | | 5 | | ▲/△ | | ▲/▲ | |

- ▲ ab Lager / on stock △ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|---|---|---|
| P | o | ● | ● |
| M | ● | ● | ● |
| K | ● | ● | ● |
| N | ● | ● | ● |
| S | ● | ● | ● |
| H | | | |

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

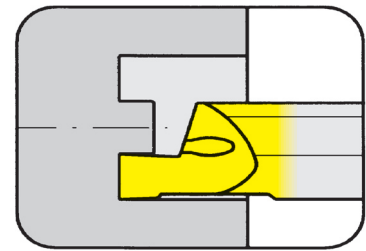
AXIALEINSTECHEN

FACE GROOVING

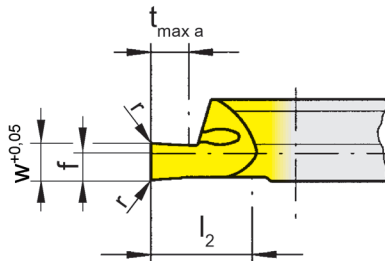
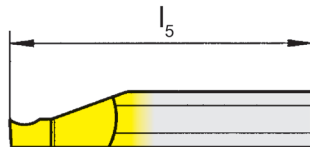
SCHNEIDPLATTE Typ

105

INSERT Type



| | | |
|-----------------|-----------------------|--------|
| Nutaußen-Ø ab | from outer groove Ø | 8,0 mm |
| Stechtiefe | Depth of groove | 6,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |



für Klemhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | r | f | l ₂ | l ₅ | t _{max a} | D _{a min} | | MG12 | TN35 | TI25 | TH35 |
|---|-----|------|---|----------------|----------------|--------------------|--------------------|--|------|------|------|------|
| R/L105.0810.1.8 | 1,0 | | | | | 2 | | | | | ▲/▲ | |
| R/L105.0815.1.8 | 1,5 | | | | | 3 | | | | | ▲/▲ | |
| R/L105.0820.1.8 | 2,0 | 0,15 | 2 | 10 | 25 | 4 | 8 | | | | ▲/▲ | |
| R/L105.0825.1.8 | 2,5 | | | | | 5 | | | | | ▲/▲ | |
| R/L105.0830.1.8 | 3,0 | | | | | 6 | | | | | ▲/▲ | |
| R/L105.0810.2.8 | 1,0 | | | | | 2 | | | | | ▲/▲ | |
| R/L105.0815.2.8 | 1,5 | | | | | 3 | | | | | ▲/▲ | |
| R/L105.0820.2.8 | 2,0 | 0,15 | 2 | 15 | 35 | 4 | 8 | | | | ▲/▲ | |
| R/L105.0825.2.8 | 2,5 | | | | | 5 | | | | | ▲/▲ | |
| R/L105.0830.2.8 | 3,0 | | | | | 6 | | | | | ▲/▲ | |
| ▲ ab Lager / on stock | | | | | | | | | P | | • | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | | • | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | | • | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | | • | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | S | | • | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

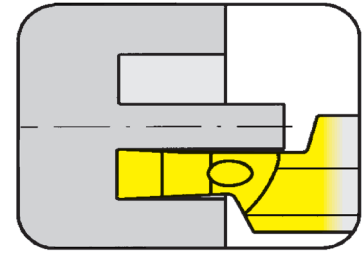
AXIALEINSTECHEN FACE GROOVING



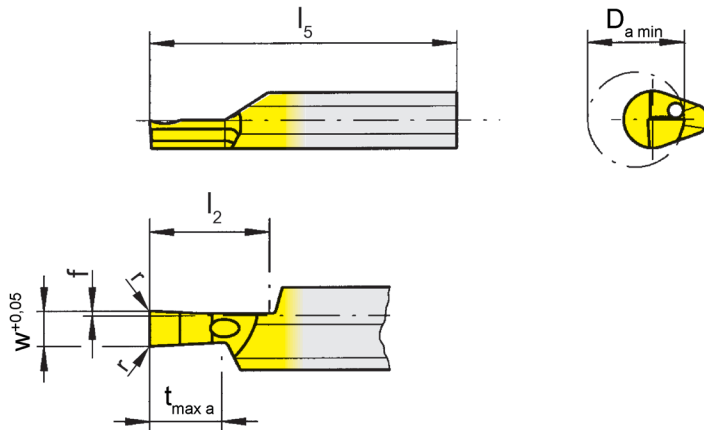
A

SCHNEIDPLATTE Typ
INSERT Type

105



| | | |
|-----------------|-----------------------|--------|
| Nutaußen-Ø ab | from outer groove Ø | 8,0 mm |
| Stechtiefe | Depth of groove | 6,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | r | f | l ₂ | l ₅ | t _{max a} | D _{a min} | MG12 | TN35 | TI25 | TH35 |
|---|-----|------|-----|----------------|----------------|--------------------|--------------------|------|------|------|------|
| R/L105.0810.1.9 | 1,0 | | | | | 2 | | | | ▲/▲ | |
| R/L105.0815.1.9 | 1,5 | | | | | 3 | | | | ▲/▲ | |
| R/L105.0820.1.9 | 2,0 | 0,15 | 0,4 | 10 | 25 | 4 | 8 | | | ▲/▲ | |
| R/L105.0825.1.9 | 2,5 | | | | | 5 | | | | ▲/▲ | |
| R/L105.0830.1.9 | 3,0 | | | | | 6 | | | | ▲/▲ | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | P | | • | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | M | | • | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | K | | • | |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | | N | | • | |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | | S | | • | |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

AXIALEINSTECHEN

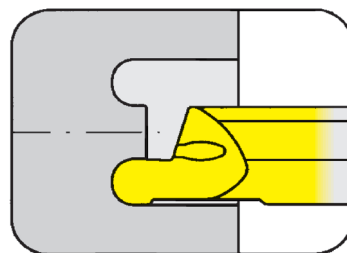
FACE GROOVING



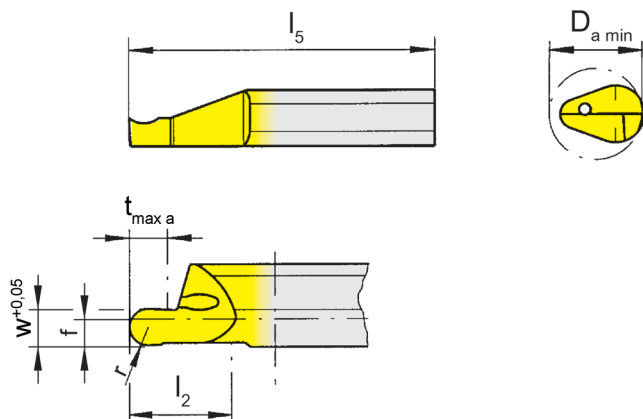
SCHNEIDPLATTE Typ

105

INSERT Type



| | | |
|-----------------|-----------------------|--------|
| Nutaußen-Ø ab | from outer groove Ø | 8,0 mm |
| Stechtiefe | Depth of groove | 6,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Vollradius
Full radius

| Bestellnummer Part number | w | r | f | l ₂ | l ₅ | t _{max a} | D _{a min} | | MG12 | TN35 | TI25 | TH35 |
|---|-----|------|---|----------------|----------------|--------------------|--------------------|--|------|------|------|------|
| R/L105.8V10.1.8 | 1,0 | 0,50 | | | | 2 | | | | | ▲/▲ | |
| R/L105.8V16.1.8 | 1,6 | 0,80 | | | | 3 | | | | | ▲/▲ | |
| R/L105.8V20.1.8 | 2,0 | 1,00 | 2 | 10 | 25 | 4 | 8 | | | | ▲/▲ | |
| R/L105.8V25.1.8 | 2,5 | 1,25 | | | | 5 | | | | | ▲/▲ | |
| R/L105.8V30.1.8 | 3,0 | 1,50 | | | | 6 | | | | | ▲/▲ | |
| R/L105.8V10.2.8 | 1,0 | 0,50 | | | | 2 | | | | | ▲/▲ | |
| R/L105.8V16.2.8 | 1,6 | 0,80 | | | | 3 | | | | | ▲/▲ | |
| R/L105.8V20.2.8 | 2,0 | 1,00 | 2 | 15 | 35 | 4 | 8 | | | | ▲/▲ | |
| R/L105.8V25.2.8 | 2,5 | 1,25 | | | | 5 | | | | | ▲/▲ | |
| R/L105.8V30.2.8 | 3,0 | 1,50 | | | | 6 | | | | | ▲/▲ | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | | • | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | | • | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | | • | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | | • | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | S | | • | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

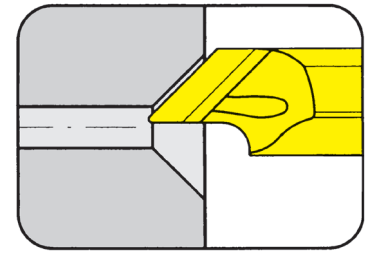
Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

SCHNEIDPLATTE Typ INSERT Type

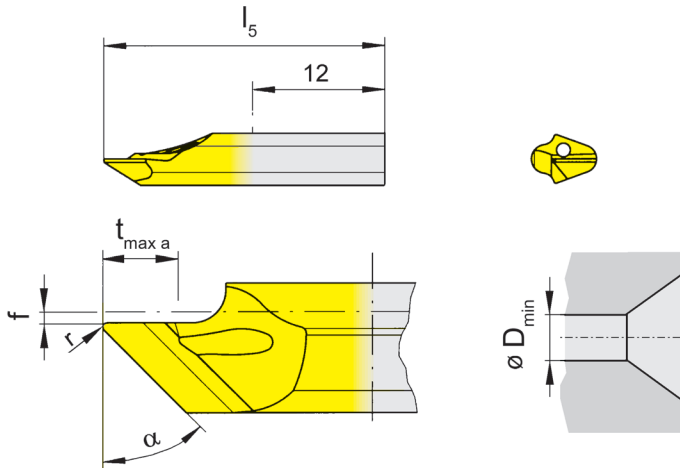
105



| | | |
|-----------------|------------------------|----------|
| Faswinkel | Angle of chamfer | 45°/ 60° |
| Fasenbreite bis | Width of chamfer up to | 4,0 mm |

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | r | α | f | l ₅ | t _{max a} | D _{min} | MG12 | TN35 | TI25 | TF45 | TH35 |
|---|-----|-----|-----|----------------|--------------------|------------------|------|------|------|------|------|
| R/L105.0045.0.1 | 0,2 | 45° | 0,5 | 20 | 3,5 | 1 | | ▲/▲ | | ▲/▲ | |
| R/L105.0045.1.1 | | | | | | | | ▲/▲ | | | |
| R/L105.0060.0.1 | 0,2 | 60° | 0,5 | 20 | 4,0 | 1 | | | | ▲/▲ | |
| R/L105.0060.1.1 | | | | | | | | | ▲/▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks ● Haupteinsatzbereich / main recommendation ○ bedingt einsetzbar / alternative recommendation ■ unbeschichtete HM-Sorten / uncoated grades ■ beschichtete HM-Sorten / coated grades ■ bestückt/Cermet / brazed/Cermet | | | | | | | P | ● | ● | ● | |
| | | | | | | | M | ● | ● | ● | |
| | | | | | | | K | ● | ● | ● | |
| | | | | | | | N | ● | ● | ● | |
| | | | | | | | S | ● | ● | ● | |
| | | | | | | | H | | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

RÜCKWÄRTSDREHEN (innen)

BACKBORING (internal)



SCHNEIDPLATTE Typ

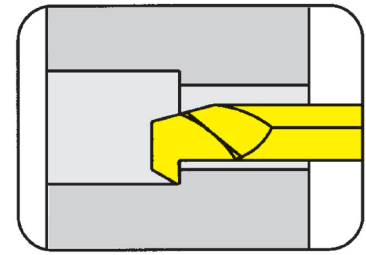
105

INSERT Type

Bohrungs-Ø ab

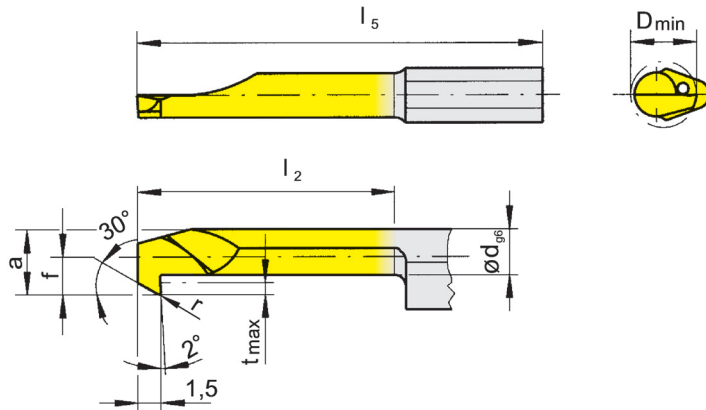
Bore Ø from

3,0 mm



für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
H105
HC105
VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | r | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|------|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------------|------|
| R/L105.3013.2.3 R/L105.3013.3.3 | 0,10 | 1,3 | 2,6 | 1,9 | 15 20 | 30 35 | 0,5 | 3,0 | | | ▲/▲ ▲/▲ | |
| R/L105.3019.2.4 R/L105.3019.4.4 | 0,15 | 1,9 | 3,7 | 2,7 | 15 25 | 30 40 | 0,8 | 4,0 | | | ▲/▲ ▲/▲ | |
| R/L105.3023.3.5 R/L105.3023.5.5 | 0,20 | 2,3 | 4,7 | 3,5 | 20 30 | 35 45 | 1,0 | 5,0 | | | ▲/▲ ▲/▲ | |
| R/L105.3033.3.6 R/L105.3033.5.6 | 0,20 | 3,3 | 5,7 | 3,7 | 20 30 | 35 45 | 1,8 | 6,0 | | | ▲/▲ ▲/▲ | |
| R/L105.3040.3.7 R/L105.3040.5.7 | 0,20 | 4,0 | 6,4 | 3,7 | 20 30 | 35 45 | 2,5 | 6,8 | | | ▲/▲ ▲/▲ | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | P | | • | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | M | | • | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | K | | • | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | N | | • | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | S | | • | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

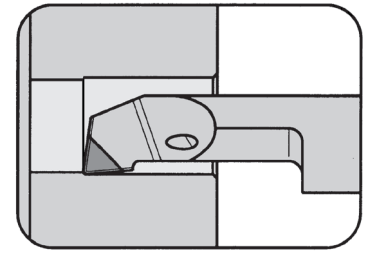
Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

SCHNEIDPLATTE Typ

INSERT Type

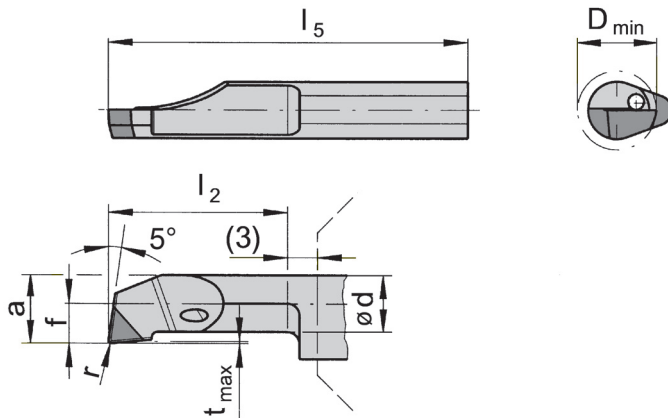
105



Bohrungs-Ø ab Bore Ø from 3,0 mm

für Klemmhalter
for use with Toolholder

Typ B105
Type BKT105
 H105
 HC105
 VDI



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

CBN-bestückt
PCBN tipped

| Bestellnummer Part number | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | CB10 |
|------------------------------|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|
| R105.0513.0.3.B | 1,3 | 2,7 | 2,5 | 7 | 25 | 0,10 | 3,0 | 0,15 | ▲ |
| R105.0519.1.4.B | 1,5 | 3,7 | 3,4 | 10 | 25 | 0,10 | 4,0 | 0,20 | ▲ |
| R105.0523.2.5.B | 2,3 | 4,7 | 4,4 | 15 | 30 | 0,10 | 5,0 | 0,20 | ▲ |
| R105.0533.2.6.B | 3,3 | 5,7 | 5,3 | 15 | 30 | 0,15 | 6,0 | 0,20 | ▲ |
| R/L105.0533.3.6.B | | | | 20 | 35 | | | | ▲/Δ |
| R105.0540.2.7.B | 4,0 | 6,4 | 6,0 | 15 | 30 | 0,15 | 6,8 | 0,20 | ▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| |
|---|
| P |
| M |
| K |
| N |
| S |
| H |

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

KLEMMHALTER Typ

TOOLHOLDER Type

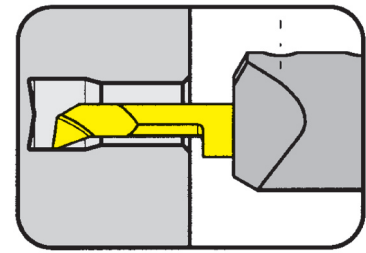
B105

mit innerer Kühlmittelzufuhr
with through coolant supply

Bohrungs-Ø ab

Bore Ø from

5,0 mm



für Schneidplatte
for use with Insert

Typ 105...2
Type

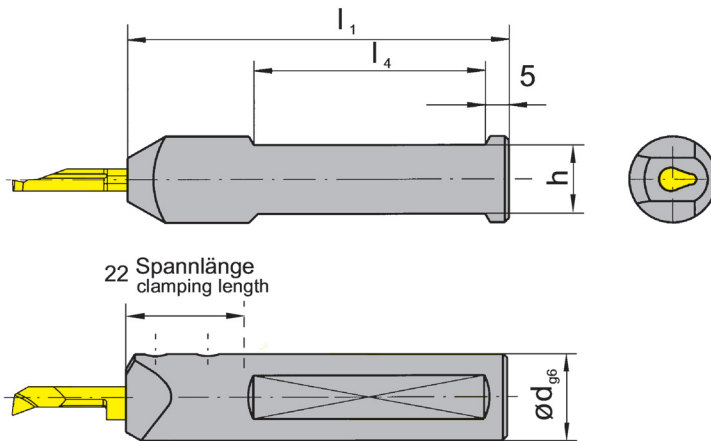


Abbildung = rechtsschneidend
Picture = right hand cutting version

nur für Schneidplatten mit
verlängertem Spannschaft
only usable for inserts with
extended clamping length

| Bestellnummer 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 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.00... | 6.075T15P | T15PQ |

EINSTECHEN (innen)

GROOVING (internal)

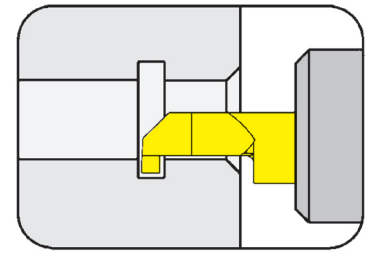


A

KLEMMHALTER Typ
TOOLHOLDER Type

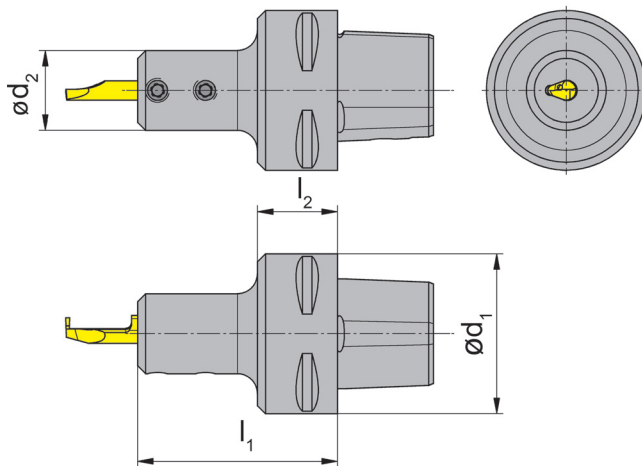
B105C

mit innerer Kühlmittelzufuhr
with through coolant supply



HORN-Polygonschaft nach ISO 26623
HORN Polygon shank according ISO 26623

Spannlänge 22 mm
Clamping length 22 mm



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

für Schneidplatte
for use with Insert

Typ 105...2
Type

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

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile
Spare parts

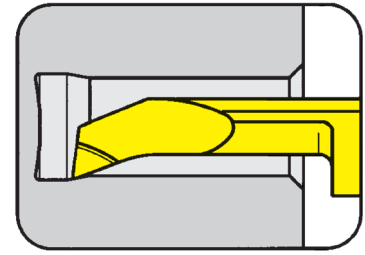
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| R/LB105.00C... | 6.075T15P | T15PQ |

SCHNEIDPLATTE Typ

INSERT Type

105

mit verlängertem Spannschaft
with extended clamping shank

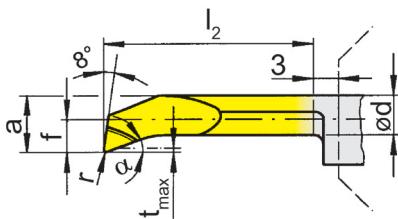
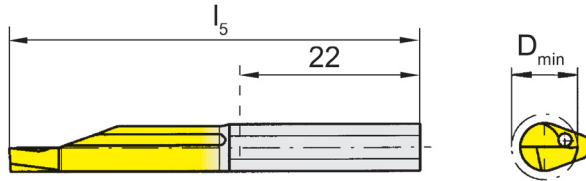


Bohrungs-Ø ab

Bore Ø from

5,0 mm

Spannlänge 22 mm
Clamping length 22 mm



für Klemmhalter
for use with Toolholder

Typ B105.0012.02
Type B105.0016.02
B105.0020.02
B105.0022.02

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|----------------|----------------|------------------|------------------|-----|------|------|------|------|
| R/L105.1823.4.5.2 | 2,3 | 4,7 | 4,2 | 25 | 50 | 0,3 | 5,0 | 0,1 | | | ▲/Δ | ▲/▲ |
| R/L105.1823.5.5.2 | | | | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1833.4.6.2 | 3,3 | 5,7 | 4,9 | 25 | 50 | 0,3 | 6,0 | 0,1 | | | ▲/▲ | ▲/Δ |
| R/L105.1833.5.6.2 | | | | | | | | | | | ▲/▲ | ▲/▲ |
| R/L105.1840.4.7.2 | 4,0 | 6,4 | 5,4 | 25 | 50 | 0,3 | 6,8 | 0,1 | | | ▲/▲ | ▲/Δ |
| R/L105.1840.5.7.2 | | | | | | | | | | | ▲/▲ | ▲/Δ |
| R/L105.1840.7.7.2 | | | | | | | | | | | ▲/ | |
| R/L105.4733.5.6.2 | 3,3 | 5,7 | 3,7 | 30 | 55 | 1,8 | 6,0 | 0,1 | | | ▲/Δ | ▲/Δ |

▲ ab Lager / on stock Δ 4 Wochen / 4 weeks

● Haupteinsatzbereich / main recommendation

o bedingt einsetzbar / alternative recommendation

unbeschichtete HM-Sorten / uncoated grades

beschichtete HM-Sorten / coated grades

bestückt/Cermet / brazed/Cermet

| | | | | |
|---|--|--|---|---|
| P | | | ● | ● |
| M | | | ● | ● |
| K | | | ● | ● |
| N | | | ● | ● |
| S | | | ● | ● |
| H | | | | |

Abmessungen in mm
Dimensions in mm

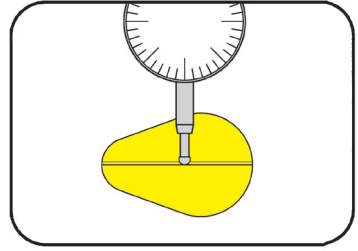
Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

PLATTE Typ
INSERT Type

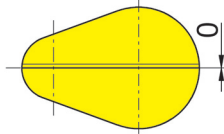
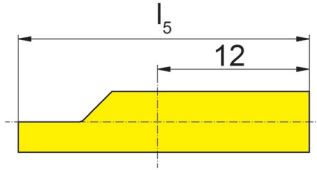
105



Platte zum Einrichten des Werkzeugs
Insert for tool set up

für Klemmhalter
for use with Toolholder

Typ B105
Type



R = rechts wie gezeichnet
R = right hand version shown

| | |
|-------------------------------------|-------|
| Bestellnummer Part number | l_5 |
| R105.LEHR.H.01 | 23 |

Abmessungen in mm
Dimensions in mm

AXIALEINSTECHEN

FACE GROOVING



KLEMMHALTER Typ

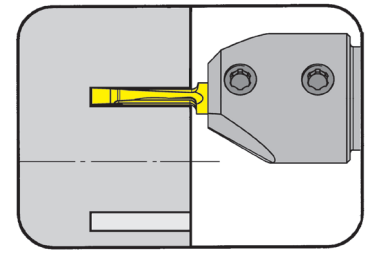
TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply

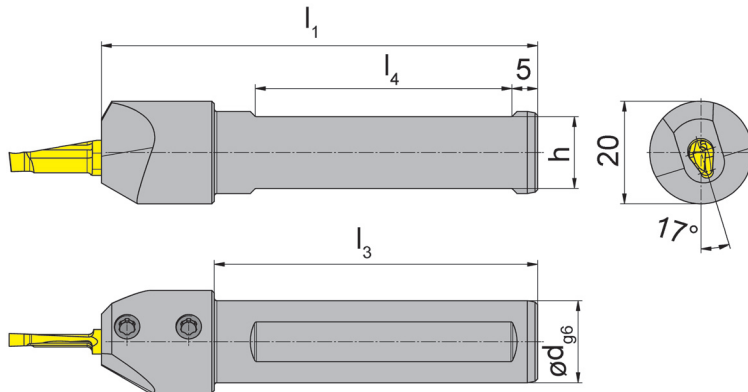
| | | |
|---------------|---------------------|--------------|
| Nutaußen-Ø ab | from outer groove Ø | 10,0 mm |
| Stechtiefe | Depth of groove | 15,0 mm |
| Stechbreite | Width of groove | 2,0 - 3,0 mm |

Verlängerte Aufnahme der Platte
Extended depth of insert seat



für Schneidplatte
for use with Insert

Typ A105
Type



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer 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 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| R/LB105.00... | 6.075T15P | T15PQ |

A108

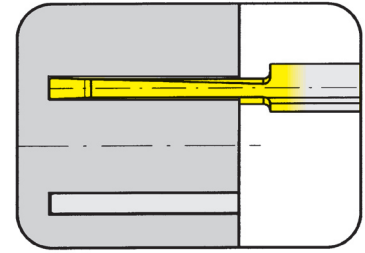
AXIALEINSTECHEN FACE GROOVING



A

SCHNEIDPLATTE Typ INSERT Type

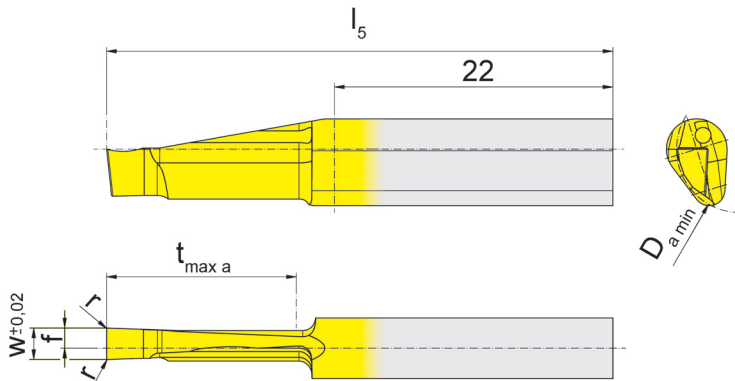
A105



| | | |
|---------------|---------------------|--------------|
| Nutaußen-Ø ab | from outer groove Ø | 10,0 mm |
| Stechtiefe | Depth of groove | 15,0 mm |
| Stechbreite | Width of groove | 2,0 - 3,0 mm |

für Klemmhalter
for use with Toolholder

Typ B105...12.2
Type



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer Part number | w | r | f | l ₅ | t _{max a} | D _{a min} | HM-Sorten | | | |
|------------------------------|-----|-----|-----|----------------|--------------------|--------------------|-----------|------|------|------|
| | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/LA105.1020.2.2 | 2,0 | | 1,4 | | | | | ▲/▲ | | |
| R/LA105.1025.2.2 | 2,5 | 0,1 | 1,6 | 40 | 15 | 10 | | ▲/▲ | | |
| R/LA105.1030.2.2 | 3,0 | | 1,9 | | | | | ▲/▲ | | |
| | | | | | | | P | | • | |
| | | | | | | | M | | • | |
| | | | | | | | K | | • | |
| | | | | | | | N | | • | |
| | | | | | | | S | | • | |
| | | | | | | | H | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Hinweis:

Schneidplatte RA105 in Klemmhalter RB105 und
Schneidplatte LA105 in Klemmhalter LB105 verwenden

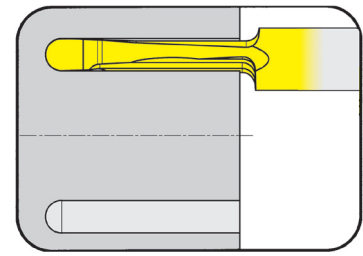
Note:
Use insert RA105 in toolholder RB105
Use insert LA105 in toolholder LB105

Axialstechen ins Volle bei voller Stechtiefe nur bei D_{amin} 10 - 40 mm möglich!
Face grooving with full width of the full depth only possible between D_{amin} 10 - 40 mm!

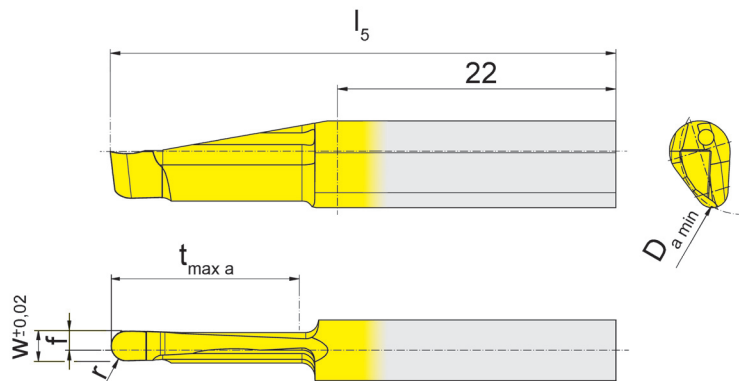
SCHNEIDPLATTE Typ

A105

INSERT Type



| | | |
|---------------|---------------------|--------------|
| Nutaußen-Ø ab | from outer groove Ø | 10,0 mm |
| Stechtiefe | Depth of groove | 15,0 mm |
| Stechbreite | Width of groove | 2,0 - 3,0 mm |



für Klemmhalter
for use with Toolholder

Typ B105...12.2
Type

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Vollradius
Full radius

| Bestellnummer Part number | w | r | f | l ₅ | t _{max a} | D _{a min} | MG12 | TN35 | TI25 | TH35 |
|---|-----|------|-----|----------------|--------------------|--------------------|------|------|------|------|
| R/LA105.1020.10.2.2 | 2,0 | 1,00 | 1,4 | | | | | | ▲/▲ | |
| R/LA105.1025.12.2.2 | 2,5 | 1,25 | 1,6 | 40 | 15 | 10 | | | ▲/▲ | |
| R/LA105.1030.15.2.2 | 3,0 | 1,50 | 1,9 | | | | | | ▲/▲ | |
| ▲ ab Lager / on stock | | | | | | | | | ● | |
| ● Haupteinsatzbereich / main recommendation | | | | | | | | | ● | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | ● | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | ● | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | ● | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | ● | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Hinweis:

Schneidplatte RA105 in Klemmhalter RB105 und
Schneidplatte LA105 in Klemmhalter LB105 verwenden

Note:

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

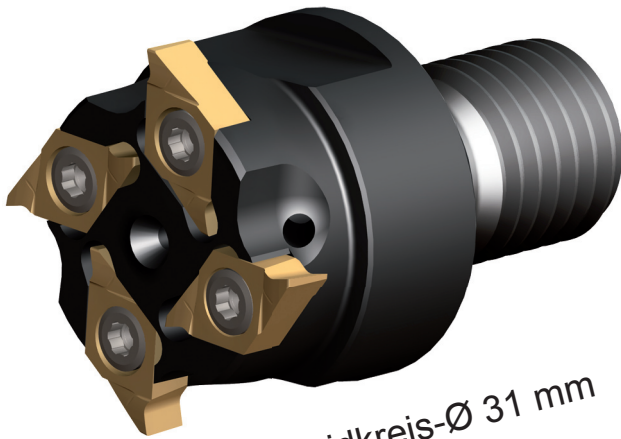
Axialstechen ins Volle bei voller Stechtiefe nur bei D_{amin} 10 - 40 mm möglich!
Face grooving with full width of the full depth only possible between D_{amin} 10 - 40 mm!

NUTFRÄSEN System 275

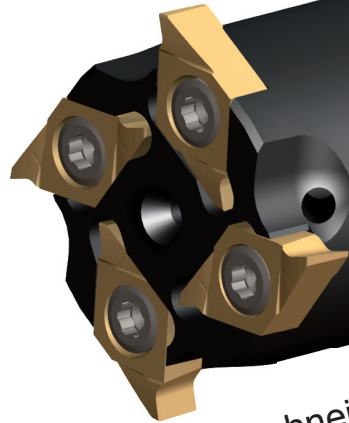
GROOVE MILLING System 275



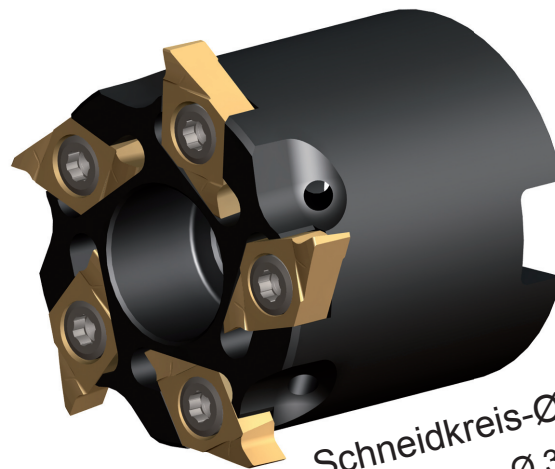
A



Schneidkreis-Ø 31 mm
Cutting edge Ø 31 mm



Schneidkreis-Ø 31 mm
Cutting edge Ø 31 mm



Schneidkreis-Ø 38 mm
Cutting edge Ø 38 mm

Weitere Informationen finden Sie in unserem HORN-Katalog "ROTIERENDE WERKZEUGE"
For further information please ask for the HORN catalogue "ROTATING TOOLS"

HCG - HORN Catalogue Guide

INNENBEARBEITUNG / INTERNAL GROOVING

| Bohrungs-Ø Bore Ø | Artikelgruppen / Product line | | | | | | | | | | | |
|----------------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 105 | 109 | 110 | 106 | 107 | 108 | 10P | 111 | 11P | 114 | 116 | 18P |
| ≥ 0,2 | • | | | | | | | | | | | |
| ≥ 0,5 | • | | | | | | | | | | | |
| ≥ 0,7 | • | | | | | | | | | | | |
| ≥ 1,0 | • | | | | | | | | | | | |
| ≥ 1,5 | • | | | | | | | | | | | |
| ≥ 2,0 | • | | | | | | | | | | | |
| ≥ 3,0 | • | | | | | | | | | | | |
| ≥ 4,0 | • | | | | | | | | | | | |
| ≥ 5,0 | • | | | | | | | | | | | |
| ≥ 6,0 | • | • | • | • | | | | | | | | |
| ≥ 6,8 | | • | • | • | | | | | | | | |
| ≥ 7,0 | | • | | | • | | | | | | | |
| ≥ 7,8 | | | • | | • | • | | | | | | |
| ≥ 8,0 | | | • | | • | • | | | | | | |
| ≥ 9,0 | | | • | | • | • | • | | | | | |
| ≥ 10,0 | | | • | | | | • | • | • | | | |
| ≥ 10,5 | | | | | | | | | • | | | |
| ≥ 11,0 | | | | | | | | • | • | | | |
| ≥ 11,5 | | | | | | | | | • | | | |
| ≥ 13,8 | | | | | | | | | | • | | |
| ≥ 14,0 | | | | | | | | | | • | • | |
| ≥ 16,0 | | | | | | | | | | | • | |
| ≥ 16,5 | | | | | | | | | | (•) | | |
| ≥ 18,0 | | | | | | | | | | | | • |

| | | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|
| Stechtiefe Depth of groove | 2,5 | 2,5 | 4,0 | 0,8 | 2,0 | 1,0 | 3,0 | 2,3 | 3,5 | 4,0 (6,5) | 4,3 | 8,0 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|

| | | | | | | | | | | | | |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Stechbreite Width of groove | 0,5-2,0 | 1,0-2,0 | 1,0-3,0 | 0,7-1,5 | 1,0-2,0 | 0,7-2,0 | 1,0-3,0 | 0,7-3,0 | 1,0-3,0 | 0,7-3,0 | 0,7-4,0 | 2,0-3,0 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

| Bearbeitung / Machining | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Einstechen / Grooving | • | • | • | • | • | • | • | • | • | • | • | • |
| Ausdrehen / Boring | • | • | • | • | • | • | | • | | • | • | |
| Gewindedrehen / Threading | • | • | | | • | • | | • | | • | • | |
| Fasen / Chamfering | • | • | | • | • | • | | • | | • | • | |
| Axialeinstechen / Face Grooving | • | • | • | | | | | | | • | | |
| Hartdrehen / Hard turning | • | | | | | • | | • | | • | • | |

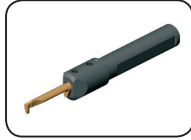
| | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Kapitel / Chapter | A | B | C | D | E | F | G | H | J | K | L | M |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|

Sonderwerkzeuge sind auf Anfrage erhältlich
Special tools upon request

Abmessung in mm
Dimensions in mm

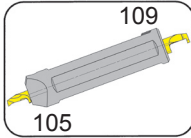
Supermini® HM-SCHNEIDWERKZEUGE **Typ 109**
Supermini® CARBIDE GROOVING TOOLS type

B109
Klemmhalter
Toolholder



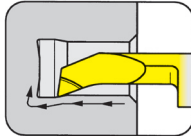
Seite/Page
B2-B3

B105
Klemmhalter
Toolholder

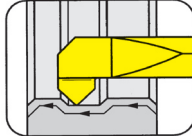


Seite/Page
B4

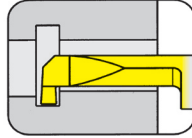
109
≥ Ø 6,0 mm
Schneidplatten
Inserts



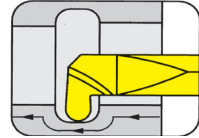
Seite/Page
B5-B8



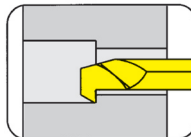
Seite/Page
B9



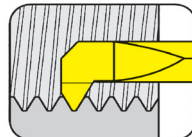
Seite/Page
B10-B11



Seite/Page
B12



Seite/Page
B13



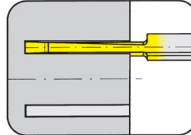
Seite/Page
B14-B15

B109
Axialeinstechen
Face Grooving
Klemmhalter
Toolholder



Seite/Page
B16

A109
Axialeinstechen
Face Grooving
Schneidplatten
Inserts



Seite/Page
B17

Technische Hinweise **Seite**
Technical Instructions Page **N2-N8**

EINSTECHEN und AUSDREHEN

GROOVING and BORING



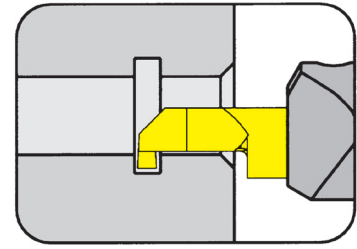
B

KLEMMHALTER Typ

TOOLHOLDER Type

B109

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |

für Schneidplatte
for use with Insert

Typ 109
Type

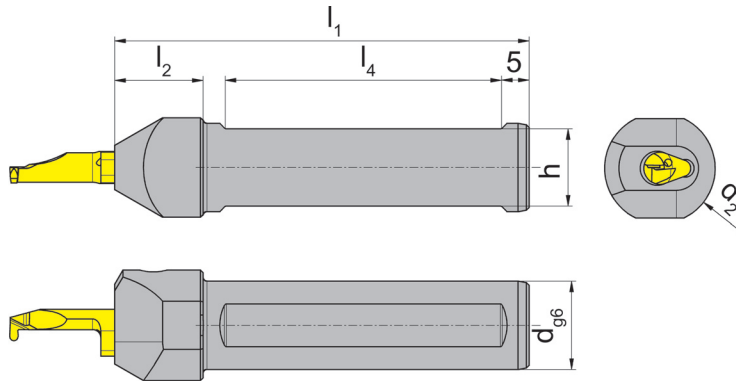


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | l ₂ | h | d ₂ | l ₄ |
|------------------------------|----|----------------|----------------|----|----------------|----------------|
| B109.0012.01 | 12 | 75 | 16 | 10 | 20 | 50 |
| B109.0016.01 | 16 | 75 | 16 | 14 | 20 | 50 |
| B109.0020.01 | 20 | 90 | - | 18 | 20 | 55 |
| B109.0025.01 | 25 | 100 | - | 23 | 25 | 55 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B109.00... | 6.075T15P | T15PQ |

EINSTECHEN und AUSDREHEN

GROOVING and BORING



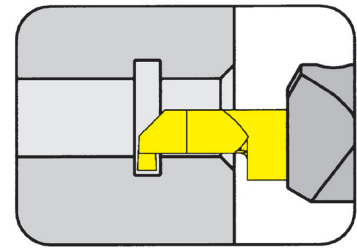
B

KLEMMHALTER Typ

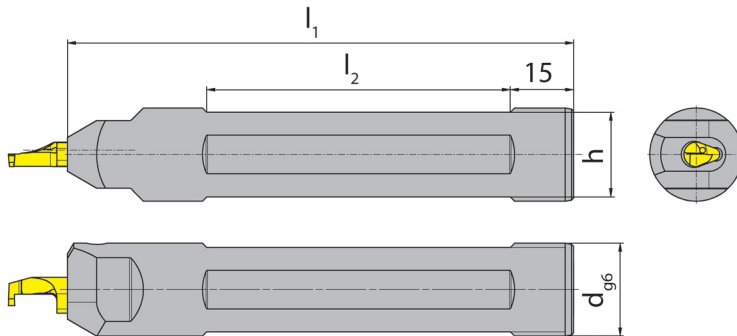
TOOLHOLDER Type

B109

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Stechtiefe | Depth of groove | 2,5 mm |
| Stechbreite bis | Width of groove up to | 2,0 mm |



für Schneidplatte
for use with Insert

Typ 109
Type

Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | l ₂ | h |
|------------------------------|----|----------------|----------------|----|
| B109.0022.1.2.01 | 22 | 120 | 72 | 20 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B109.0022.1.2.01 | 6.075T15P | T15PQ |

EINSTECHEN und AUSDREHEN

GROOVING and BORING



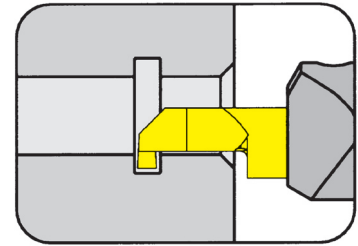
B

KLEMMHALTER Typ

TOOLHOLDER Type

B105

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|---------------|-----------------|------------|
| Bohrungs-Ø ab | Bore Ø from | 0,2/6,0 mm |
| Stechtiefe | Depth of groove | 2,5 mm |
| Stechbreite | Width of groove | 2,0 mm |

für Schneidplatte
for use with Insert

Typ 105
Type 109

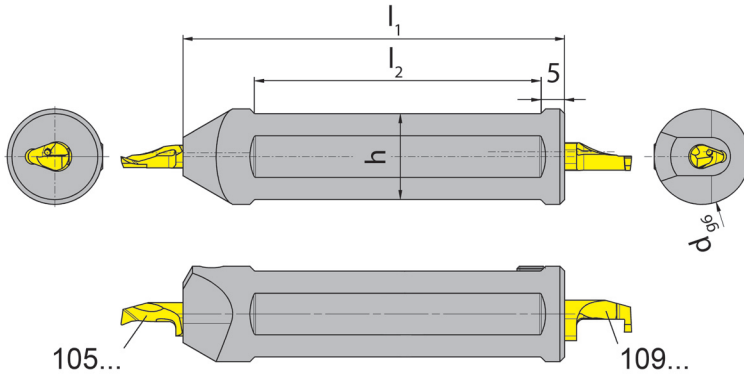


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | l ₂ | h |
|------------------------------|----|----------------|----------------|----|
| B105.0020.1.09 | 20 | 80 | 60 | 18 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B105.0020.1.09 | 6.075T15P | T15PQ |

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

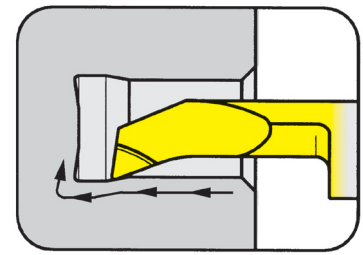
BORING and PROFILING



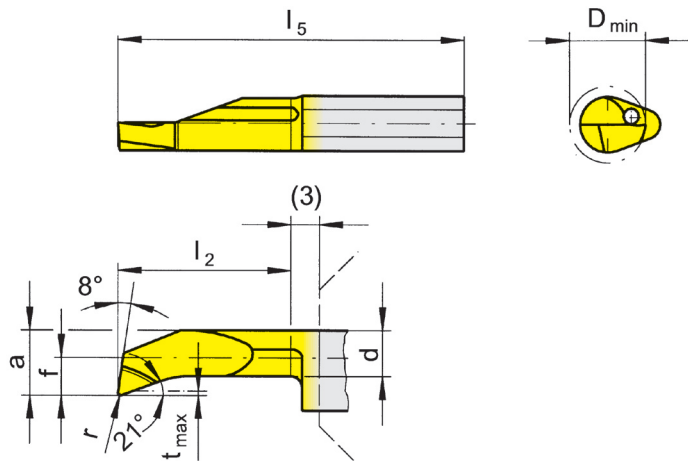
B

SCHNEIDPLATTE Typ
INSERT Type

109



Bohrungs- \varnothing ab Bore \varnothing from 6,0 mm



für Klemmhalter
for use with Toolholder

Typ B109
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|---|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L109.1828.1.6 | | | | 10 | 28 | | | | | | | Δ/Δ |
| R/L109.1828.2.6 | | | | 15 | 33 | | | | | | | Δ/Δ |
| R/L109.1828.3.6 | | | | 20 | 38 | | | | | | | Δ/Δ |
| R/L109.1828.4.6 | 2,8 | 5,7 | 5 | 25 | 43 | 0,4 | 6 | 0,2 | | | | Δ/Δ |
| R/L109.1828.5.6 | | | | 30 | 48 | | | | | | | ▲/▲ |
| R/L109.1828.6.6 | | | | 35 | 53 | | | | | | | ▲/▲ |
| R/L109.1828.7.6 | | | | 40 | 58 | | | | | | | ▲/▲ |
| R/L109.1838.2.7 | | | | 15 | 33 | | | | | | | Δ/Δ |
| R/L109.1838.3.7 | | | | 20 | 38 | | | | | | | Δ/Δ |
| R/L109.1838.4.7 | | | | 25 | 43 | | | | | | | Δ/Δ |
| R/L109.1838.5.7 | 3,8 | 6,7 | 6 | 30 | 48 | 0,4 | 7 | 0,2 | | | | ▲/▲ |
| R/L109.1838.6.7 | | | | 35 | 53 | | | | | | | ▲/▲ |
| R/L109.1838.7.7 | | | | 40 | 58 | | | | | | | ▲/▲ |
| R/L109.1838.8.7 | | | | 45 | 63 | | | | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

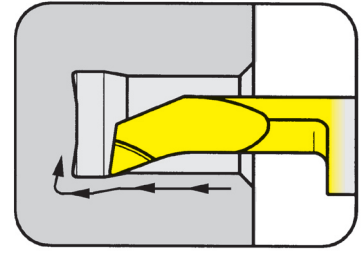
BORING and PROFILING



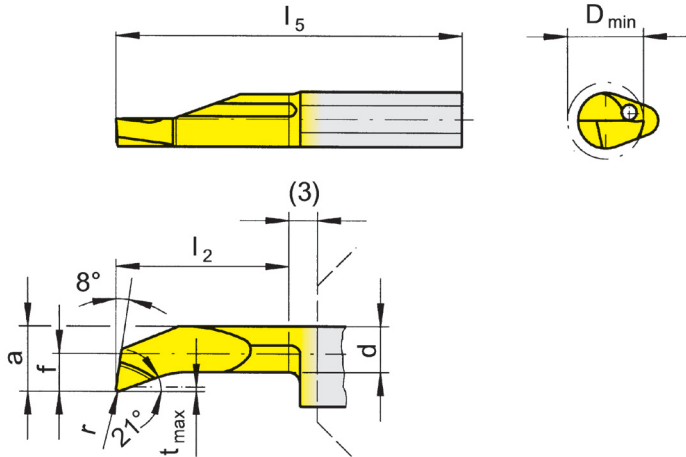
B

SCHNEIDPLATTE Typ
INSERT Type

109



| | | |
|----------------------------|-------------------------|--------|
| Bohrungs- \varnothing ab | Bore \varnothing from | 6,0 mm |
|----------------------------|-------------------------|--------|



für Klemmhalter
for use with Toolholder

Typ B109
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|---|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L109.1828.04.1.6 | | | | 10 | 28 | | | | | | | Δ/Δ |
| R/L109.1828.04.2.6 | | | | 15 | 33 | | | | | | | Δ/Δ |
| R/L109.1828.04.3.6 | | | | 20 | 38 | | | | | | | Δ/Δ |
| R/L109.1828.04.4.6 | 2,8 | 5,7 | 5 | 25 | 43 | 0,4 | 6 | 0,4 | | | | Δ/Δ |
| R/L109.1828.04.5.6 | | | | 30 | 48 | | | | | | | ▲/▲ |
| R/L109.1828.04.6.6 | | | | 35 | 53 | | | | | | | ▲/▲ |
| R/L109.1828.04.7.6 | | | | 40 | 58 | | | | | | | ▲/▲ |
| R/L109.1838.04.2.7 | | | | 15 | 33 | | | | | | | Δ/Δ |
| R/L109.1838.04.3.7 | | | | 20 | 38 | | | | | | | Δ/Δ |
| R/L109.1838.04.4.7 | | | | 25 | 43 | | | | | | | Δ/Δ |
| R/L109.1838.04.5.7 | 3,8 | 6,7 | 6 | 30 | 48 | 0,4 | 7 | 0,4 | | | | ▲/▲ |
| R/L109.1838.04.6.7 | | | | 35 | 53 | | | | | | | ▲/▲ |
| R/L109.1838.04.7.7 | | | | 40 | 58 | | | | | | | ▲/▲ |
| R/L109.1838.04.8.7 | | | | 45 | 63 | | | | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

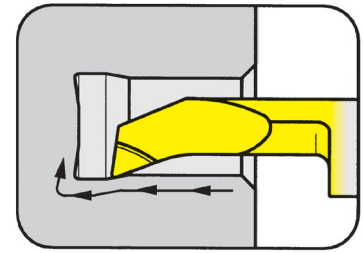
BORING and PROFILING



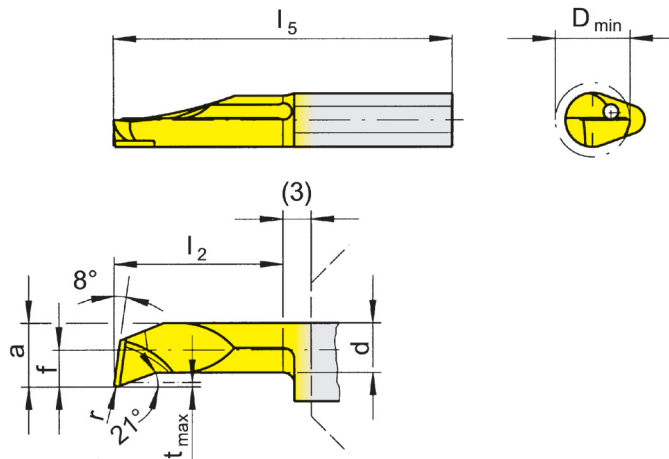
B

SCHNEIDPLATTE Typ INSERT Type

109



Bohrungs- \varnothing ab Bore \varnothing from 6,0 mm



für Klemmhalter
for use with Toolholder

Typ B109
Type

verlängerte Spantrenne
(Geometrie HV)
extended chip breaker
(geometry HV)

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|---|-------|-------|-----------|-----------|-----|--|------|------|------|------|
| R/L109.1828.1.HV6 | | | | 10 | 28 | | | | | | | | Δ/Δ |
| R/L109.1828.2.HV6 | | | | 15 | 33 | | | | | | | | Δ/Δ |
| R/L109.1828.3.HV6 | | | | 20 | 38 | | | | | | | | Δ/Δ |
| R/L109.1828.4.HV6 | 2,8 | 5,7 | 5 | 25 | 43 | 0,4 | 6 | 0,2 | | | | | Δ/Δ |
| R/L109.1828.5.HV6 | | | | 30 | 48 | | | | | | | | ▲/▲ |
| R/L109.1828.6.HV6 | | | | 35 | 53 | | | | | | | | ▲/▲ |
| R/L109.1828.7.HV6 | | | | 40 | 58 | | | | | | | | ▲/▲ |
| R/L109.1838.2.HV7 | | | | 15 | 33 | | | | | | | | Δ/Δ |
| R/L109.1838.3.HV7 | | | | 20 | 38 | | | | | | | | Δ/Δ |
| R/L109.1838.4.HV7 | | | | 25 | 43 | | | | | | | | Δ/Δ |
| R/L109.1838.5.HV7 | 3,8 | 6,7 | 6 | 30 | 48 | 0,4 | 7 | 0,2 | | | | | ▲/▲ |
| R/L109.1838.6.HV7 | | | | 35 | 53 | | | | | | | | ▲/▲ |
| R/L109.1838.7.HV7 | | | | 40 | 58 | | | | | | | | ▲/▲ |
| R/L109.1838.8.HV7 | | | | 45 | 63 | | | | | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | ● |
| M | | | ● |
| K | | | ● |
| N | | | ● |
| S | | | ● |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

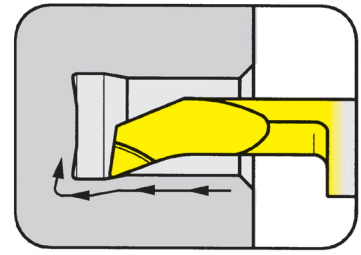
BORING and PROFILING



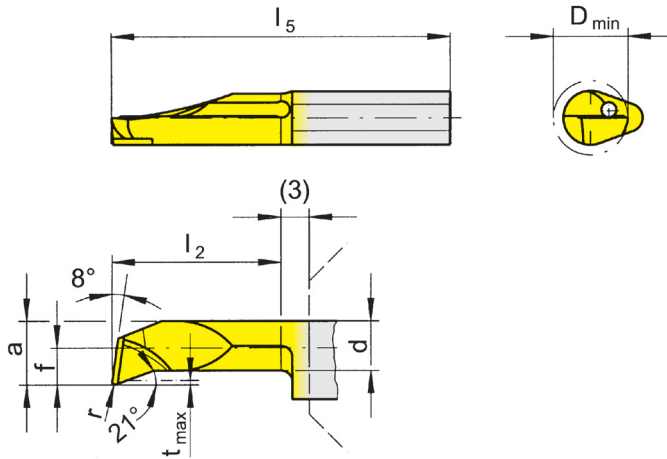
B

SCHNEIDPLATTE Typ
INSERT Type

109



Bohrungs- \varnothing ab Bore \varnothing from 6,0 mm



für Klemmhalter
for use with Toolholder

Typ B109
Type

verlängerte Spantrenne
(Geometrie HV)
extended chip breaker
(geometry HV)

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|---|-------|-------|-----------|-----------|-----|------|------|------|------|
| R/L109.1828.04.1.HV6 | | | | 10 | 28 | | | | | | | Δ/Δ |
| R/L109.1828.04.2.HV6 | | | | 15 | 33 | | | | | | | Δ/Δ |
| R/L109.1828.04.3.HV6 | | | | 20 | 38 | | | | | | | Δ/Δ |
| R/L109.1828.04.4.HV6 | 2,8 | 5,7 | 5 | 25 | 43 | 0,4 | 6 | 0,4 | | | | Δ/Δ |
| R/L109.1828.04.5.HV6 | | | | 30 | 48 | | | | | | | ▲/▲ |
| R/L109.1828.04.6.HV6 | | | | 35 | 53 | | | | | | | ▲/▲ |
| R/L109.1828.04.7.HV6 | | | | 40 | 58 | | | | | | | ▲/▲ |
| R/L109.1838.04.2.HV7 | | | | 15 | 33 | | | | | | | Δ/Δ |
| R/L109.1838.04.3.HV7 | | | | 20 | 38 | | | | | | | Δ/Δ |
| R/L109.1838.04.4.HV7 | | | | 25 | 43 | | | | | | | Δ/Δ |
| R/L109.1838.04.5.HV7 | 3,8 | 6,7 | 6 | 30 | 48 | 0,4 | 7 | 0,4 | | | | ▲/▲ |
| R/L109.1838.04.6.HV7 | | | | 35 | 53 | | | | | | | ▲/▲ |
| R/L109.1838.04.7.HV7 | | | | 40 | 58 | | | | | | | ▲/▲ |
| R/L109.1838.04.8.HV7 | | | | 45 | 63 | | | | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

BOHRUNG-DREHEN und FASEN

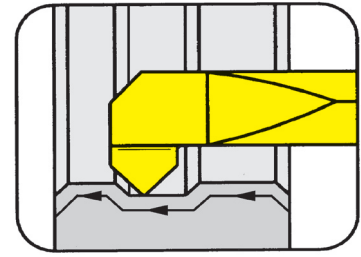
BORING, PROFILING and CHAMFERING



B

SCHNEIDPLATTE Typ INSERT Type

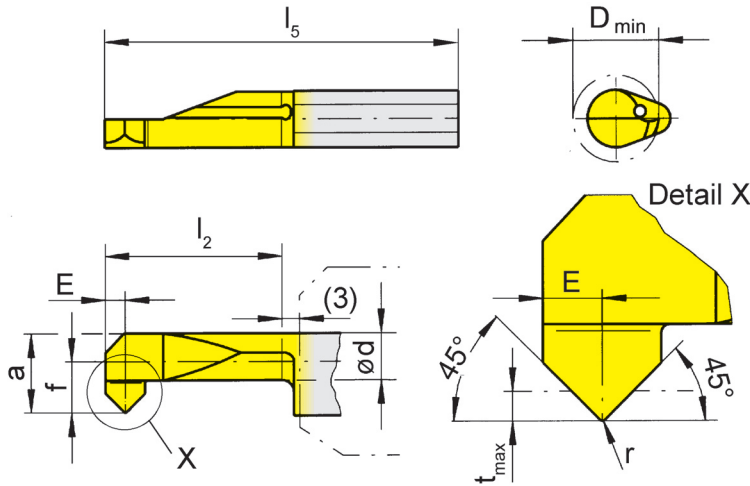
109



Bohrungs-Ø ab Bore Ø from 6,0 mm

für Klemmhalter
for use with Toolholder

Typ B109
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | E | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|-----|------|------|------|------|
| R/L109.4545.3.6 | 1,2 | 2,8 | 5,7 | 4,3 | 20 | 38 | 0,9 | 6 | 0,2 | | | | Δ/Δ |
| R/L109.4545.5.7 | 1,2 | 3,8 | 6,7 | 5,3 | 30 | 48 | 0,9 | 7 | 0,2 | | | | ▲/▲ |
| | | | | | | | | | | P | | | • |
| | | | | | | | | | | M | | | • |
| | | | | | | | | | | K | | | • |
| | | | | | | | | | | N | | | • |
| | | | | | | | | | | S | | | • |
| | | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

HM-Sorten
Carbide grades

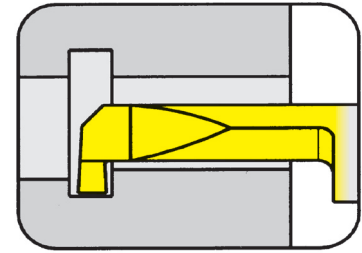
EINSTECHEN (innen) $\geq \text{Ø } 6,0 \text{ mm}$ GROOVING (internal)



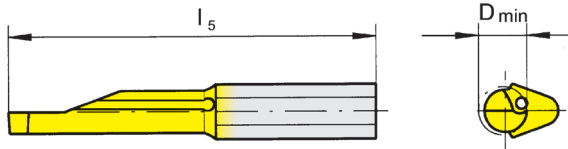
B

SCHNEIDPLATTE Typ
INSERT Type

109

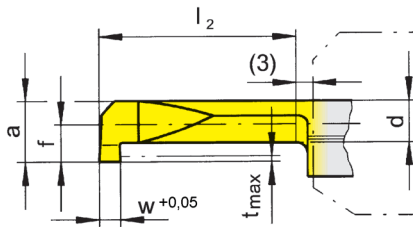


| | | |
|---------------------------------|--------------------------------------|------------------|
| Bohrungs-Ø ab Stechtiefe bis | Bore Ø from Depth of groove up to | 6,0 mm 1,8 mm |
|---------------------------------|--------------------------------------|------------------|



für Klemmhalter
for use with Toolholder

Typ B109
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | | | | | |
|---|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|-----|
| | | | | | | | | | MG12 | TN35 | TI25 | TH35 | |
| R/L109.0100.1.6 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.1.6 | 1,5 | 2,8 | 5,7 | 3,7 | 10 | 28 | 1,8 | 6 | | | | | Δ/Δ |
| R/L109.0200.1.6 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.2.6 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.2.6 | 1,5 | 2,8 | 5,7 | 3,7 | 15 | 33 | 1,8 | 6 | | | | | Δ/Δ |
| R/L109.0200.2.6 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.3.6 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.3.6 | 1,5 | 2,8 | 5,7 | 3,7 | 20 | 38 | 1,8 | 6 | | | | | Δ/Δ |
| R/L109.0200.3.6 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.4.6 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.4.6 | 1,5 | 2,8 | 5,7 | 3,7 | 25 | 43 | 1,8 | 6 | | | | | Δ/Δ |
| R/L109.0200.4.6 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.5.6 | 1,0 | | | | | | | | | | | | ▲/▲ |
| R/L109.0150.5.6 | 1,5 | 2,8 | 5,7 | 3,7 | 30 | 48 | 1,8 | 6 | | | | | ▲/▲ |
| R/L109.0200.5.6 | 2,0 | | | | | | | | | | | | ▲/▲ |
| R/L109.0100.6.6 | 1,0 | | | | | | | | | | | | ▲/▲ |
| R/L109.0150.6.6 | 1,5 | 2,8 | 5,7 | 3,7 | 35 | 53 | 1,8 | 6 | | | | | ▲/▲ |
| R/L109.0200.6.6 | 2,0 | | | | | | | | | | | | ▲/▲ |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | | P | | | • |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | | M | | | • |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | | K | | | • |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | | N | | | • |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | | | | S | | | • |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

HM-Sorten
Carbide grades

Weitere Abmessungen auf Anfrage
Further sizes upon request

B10

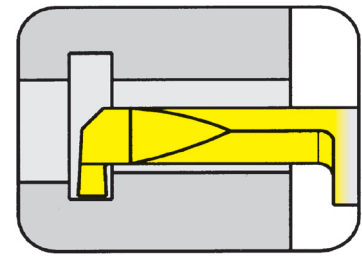
EINSTECHEN (innen) $\geq \text{Ø } 7,0 \text{ mm}$ GROOVING (internal)



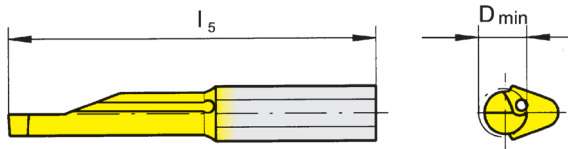
B

SCHNEIDPLATTE Typ INSERT Type

109

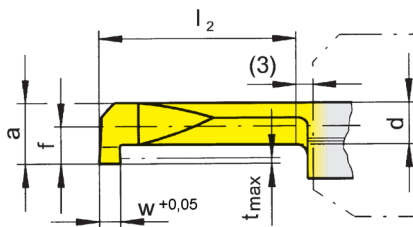


| | | |
|----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 7,0 mm |
| Stechtiefe bis | Depth of groove up to | 2,5 mm |



für Klemmhalter
for use with Toolholder

Typ B109
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | | | | | |
|------------------------------|-----|-----|-----|---|----------------|----------------|------------------|------------------|------|------|------|------|-----|
| | | | | | | | | | MG12 | TN35 | TI25 | TH35 | |
| R/L109.0100.1.7 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.1.7 | 1,5 | 3,8 | 6,7 | 4 | 10 | 28 | 2,5 | 7 | | | | | Δ/Δ |
| R/L109.0200.1.7 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.2.7 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.2.7 | 1,5 | 3,8 | 6,7 | 4 | 15 | 33 | 2,5 | 7 | | | | | Δ/Δ |
| R/L109.0200.2.7 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.3.7 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0150.3.7 | 1,5 | 3,8 | 6,7 | 4 | 20 | 38 | 2,5 | 7 | | | | | Δ/Δ |
| R/L109.0200.3.7 | 2,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.4.7 | 1,0 | | | | | | | | | | | | Δ/Δ |
| R/L109.0200.4.7 | 1,0 | 3,8 | 6,7 | 4 | 25 | 43 | 2,5 | 7 | | | | | Δ/Δ |
| R/L109.0150.4.7 | 1,5 | | | | | | | | | | | | Δ/Δ |
| R/L109.0100.5.7 | 1,0 | | | | | | | | | | | | ▲/▲ |
| R/L109.0150.5.7 | 1,5 | 3,8 | 6,7 | 4 | 30 | 48 | 2,5 | 7 | | | | | ▲/▲ |
| R/L109.0200.5.7 | 2,0 | | | | | | | | | | | | ▲/▲ |
| R/L109.0100.6.7 | 1,0 | | | | | | | | | | | | ▲/▲ |
| R/L109.0150.6.7 | 1,5 | 3,8 | 6,7 | 4 | 35 | 53 | 2,5 | 7 | | | | | ▲/▲ |
| R/L109.0200.6.7 | 2,0 | | | | | | | | | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | | |
|---|---|--|--|--|
| P | ● | | | |
| M | ● | | | |
| K | ● | | | |
| N | ● | | | |
| S | ● | | | |
| H | | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

HM-Sorten
Carbide grades

Weitere Abmessungen auf Anfrage
Further sizes upon request

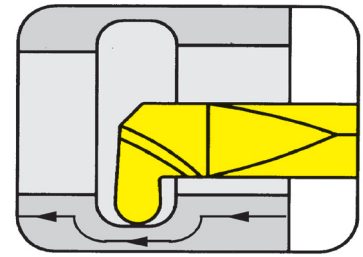
EINSTECHEN (innen) $\geq \text{Ø } 6,0 \text{ mm}$ GROOVING (internal)



B

SCHNEIDPLATTE Typ
INSERT Type

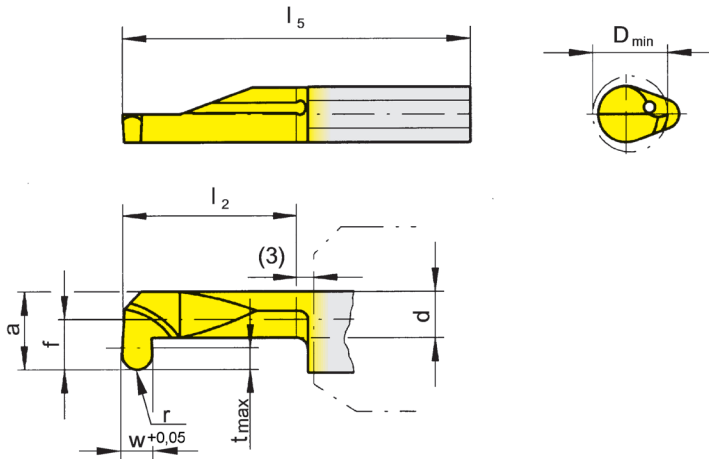
109



| | | |
|-----------------------------|----------------------------|--------------------------|
| Bohrungs-Ø ab Vollradius | Bore Ø from Full radius | 6,0 mm r 0,5 - 1,0 mm |
|-----------------------------|----------------------------|--------------------------|

für Klemmhalter
for use with Toolholder

Typ B109
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Vollradius
Full radius

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | r | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|------|
| R/L109.0005.4.6 | 1,0 | | | | | | | | 0,50 | | | | Δ/Δ |
| R/L109.0007.4.6 | 1,5 | 2,8 | 5,7 | 3,7 | 25 | 43 | 1,8 | 6 | 0,75 | | | | Δ/Δ |
| R/L109.0010.4.6 | 2,0 | | | | | | | | 1,00 | | | | Δ/Δ |
| R/L109.0005.6.7 | 1,0 | | | | | | | | 0,50 | | | | ▲/▲ |
| R/L109.0007.6.7 | 1,5 | 3,8 | 6,7 | 4,0 | 35 | 53 | 2,5 | 7 | 0,75 | | | | ▲/▲ |
| R/L109.0010.6.7 | 2,0 | | | | | | | | 1,00 | | | | ▲/▲ |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

RÜCKWÄRTSDREHEN (innen)

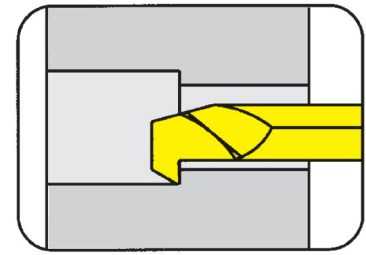
BACKBORING (internal)



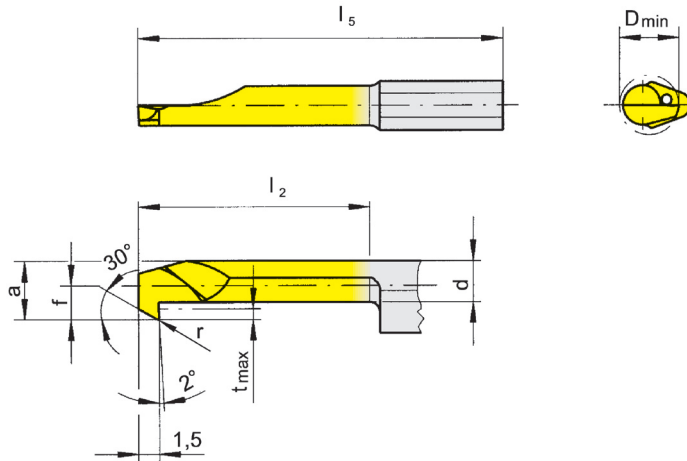
B

SCHNEIDPLATTE Typ
INSERT Type

109



Bohrungs-Ø ab Bore Ø from 6,0 mm



für Klemmhalter
for use with Toolholder

Typ B109
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | r | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| R/L109.3028.3.6 | 0,2 | 2,8 | 5,7 | 3,7 | 20 | 38 | 1,8 | 6 | | | | Δ/Δ |
| R/L109.3028.5.6 | | | | | 30 | 48 | | | | | ▲/▲ | |
| R/L109.3038.3.7 | 0,2 | 3,8 | 6,7 | 4,0 | 20 | 38 | 2,5 | 7 | | | | ▲/▲ |
| R/L109.3038.5.7 | | | | | 30 | 48 | | | | | ▲/▲ | |
| | | | | | | | | | P | | | • |
| | | | | | | | | | M | | | • |
| | | | | | | | | | K | | | • |
| | | | | | | | | | N | | | • |
| | | | | | | | | | S | | | • |
| | | | | | | | | | H | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

Abmessungen in mm
Dimensions in mm

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

GEWINDEDREHEN (innen) Teilprofil

THREADING (internal) Partial profile

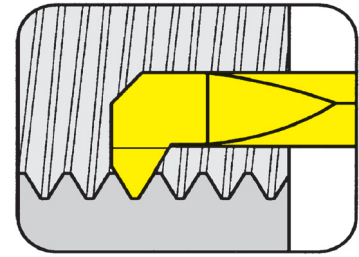


B

SCHNEIDPLATTE Typ
INSERT Type

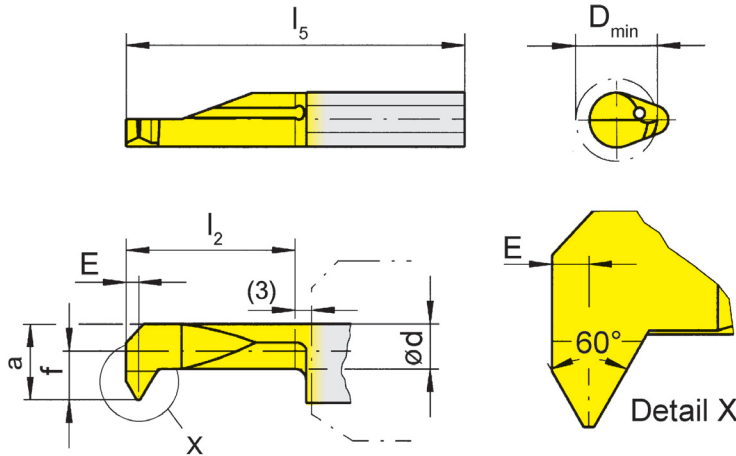
109

Bohrungs-Ø ab Steigung Bore Ø from Pitch 7,0 mm P 1,50 - 1,75 mm



für Klemmhalter
for use with Toolholder

Typ B109
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Metrisches ISO-Gewinde
Metric ISO thread

| Bestellnummer Part number | P | P _{max} | E | f | a | d | l ₂ | l ₅ | D _{min} | MG12 | TN35 | Ti25 | TH35 |
|------------------------------|-----|------------------|-----|-----|-----|-----|----------------|----------------|------------------|------|------|------|------|
| R/L109.0815.1.7 | | | | | | | 10 | 28 | | | | | Δ/Δ |
| R/L109.0815.3.7 | 1,5 | 1,75 | 0,9 | 3,8 | 6,7 | 5,1 | 20 | 38 | 7 | | | | Δ/Δ |
| R/L109.0815.5.7 | | | | | | | 30 | 48 | | | | | ▲/▲ |
| | | | | | | | | | | P | | | • |
| | | | | | | | | | | M | | | • |
| | | | | | | | | | | K | | | • |
| | | | | | | | | | | N | | | • |
| | | | | | | | | | | S | | | • |
| | | | | | | | | | | H | | | |

- ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks
- Haupteinsatzbereich / main recommendation
- o bedingt einsetzbar / alternative recommendation
- unbeschichtete HM-Sorten / uncoated grades
- beschichtete HM-Sorten / coated grades
- bestückt/Cermet / brazed/Cermet

| | | | |
|---|--|--|---|
| P | | | • |
| M | | | • |
| K | | | • |
| N | | | • |
| S | | | • |
| H | | | |

HM-Sorten
Carbide grades

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

GEWINDEDREHEN (innen) Teilprofil

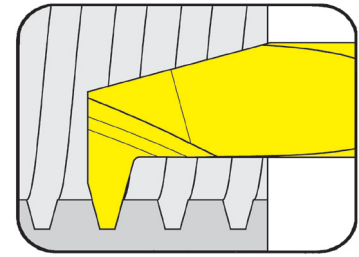
THREADING (internal) Partial profile



B

SCHNEIDPLATTE Typ
INSERT Type

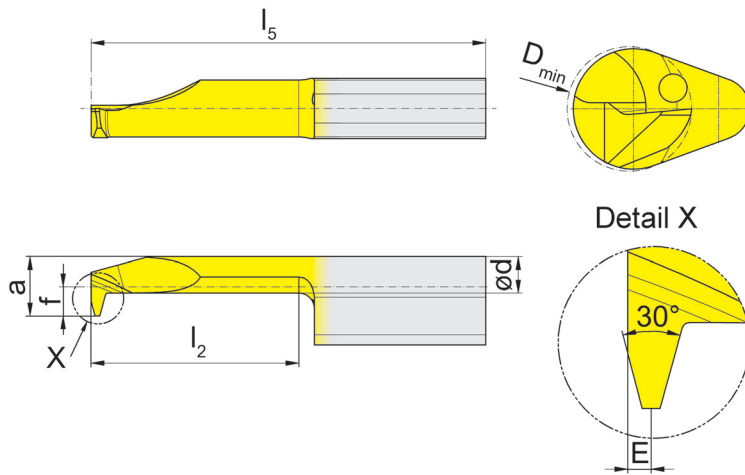
109



| | | |
|---------------|-------------|----------------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Steigung | Pitch | P 1,5 - 3,0 mm |

für Klemmhalter
for use with Toolholder

Typ B109
Type



R = rechts wie gezeichnet
R = right hand version shown

Metrisches ISO
Trapezgewinde DIN 103
Metric ISO trapezoidal
thread DIN 103

| Bestellnummer Part number | P | E | f | a | d | l ₂ | l ₅ | D _{min} | | MG12 | TN35 | TI25 | TH35 | | | | | |
|------------------------------|-----|-----|-----|-----|-----|----------------|----------------|------------------|--|------|------|------|------|--|--|--|--|---|
| R109.0915.3.6 | 1,5 | 0,6 | 2,8 | 5,7 | 3,5 | 20 | 38 | 6 | | | | | ▲ | | | | | |
| R109.1220.3.6 | 2,0 | 0,8 | | | | | | | | | | | | | | | | ▲ |
| R109.1220.3.7 | 2,0 | 0,8 | 3,8 | 6,7 | 4,8 | 20 | 38 | 7 | | | | | ▲ | | | | | |
| R109.1220.5.7 | 2,0 | 0,8 | | | | | | | | | | | | | | | | ▲ |
| R109.1730.3.7 | 3,0 | 1,2 | | | | | | | | | 4,3 | 20 | | | | | | ▲ |
| | | | | | | | | | | P | | | • | | | | | |
| | | | | | | | | | | M | | | • | | | | | |
| | | | | | | | | | | K | | | • | | | | | |
| | | | | | | | | | | N | | | • | | | | | |
| | | | | | | | | | | S | | | • | | | | | |
| | | | | | | | | | | H | | | | | | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

| | | | | |
|---|--|--|--|---|
| P | | | | • |
| M | | | | • |
| K | | | | • |
| N | | | | • |
| S | | | | • |
| H | | | | |

HM-Sorten
Carbide grades

AXIALEINSTECHEN FACE GROOVING



B

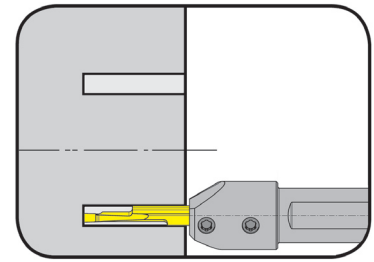
KLEMMHALTER Typ TOOLHOLDER Type

B109

mit innerer Kühlmittelzufuhr
with through coolant supply

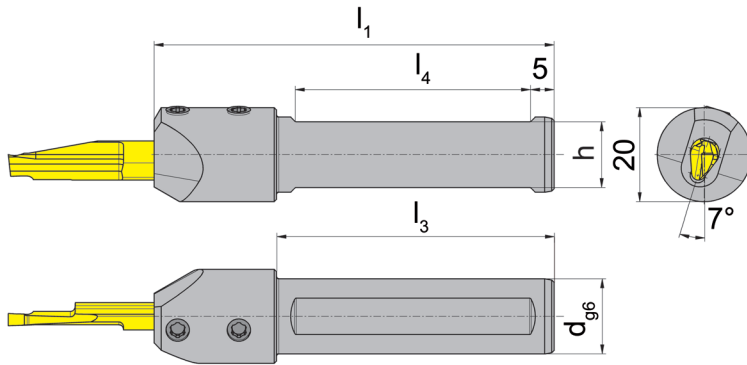
| | | |
|---------------|---------------------|--------------|
| Nutaußen-Ø ab | from outer groove Ø | 15,0 mm |
| Stechtiefe | Depth of groove | 20,0 mm |
| Stechbreite | Width of groove | 2,0 - 3,0 mm |

Verlängerte Aufnahme der Platte
Extended depth of insert seat



für Schneidplatte
for use with Insert

Typ A109
Type



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer Part number | d | l ₁ | h | l ₃ | l ₄ |
|------------------------------|----|----------------|----|----------------|----------------|
| R/LB109.0016.14.2 | 16 | 85 | 14 | 59 | 50 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schraube 6.075T15P beträgt 5 Nm.
Torque specification of the screw 6.075T25P = 5 Nm.

Ersatzteile Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| R/LB109.0016.14.2 | 6.075T15P | T15PQ |

AXIALEINSTECHEN

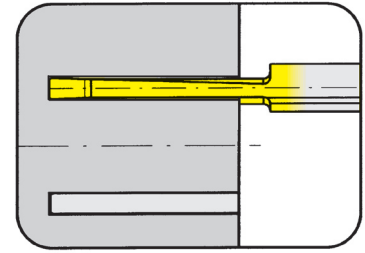
FACE GROOVING



B

SCHNEIDPLATTE Typ INSERT Type

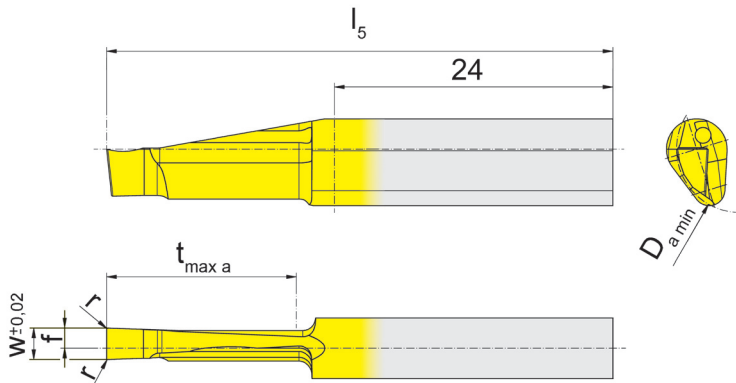
A109



| | | |
|---------------|---------------------|--------------|
| Nutaußen-Ø ab | from outer groove Ø | 15,0 mm |
| Stechtiefe | Depth of groove | 20,0 mm |
| Stechbreite | Width of groove | 2,0 - 3,0 mm |

für Klemmhalter
for use with Toolholder

Typ B109...14.2
Type



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer Part number | w | r | f | l ₅ | t _{max a} | D _{a min} | HM-Sorten | | | |
|---|-----|-----|-----|----------------|--------------------|--------------------|-----------|------|------|------|
| | | | | | | | MG12 | TN35 | TI25 | TH35 |
| R/LA109.1520.3.2 | 2,0 | | 1,0 | | | | | ▲ | | |
| R/LA109.1525.3.2 | 2,5 | 0,1 | 1,2 | 48 | 20 | 15 | | ▲ | | |
| R/LA109.1530.3.2 | 3,0 | | 1,5 | | | | | ▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | P | | ● | |
| ● Haupteinsatzbereich / main recommendation | | | | | | | M | | ● | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | K | | ● | |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | N | | ● | |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | S | | ● | |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Hinweis:

Schneidplatte RA109 in Klemmhalter RB109 und
Schneidplatte LA109 in Klemmhalter LB109 verwenden

Note:

Use insert RA109 in toolholder RB109
Use insert LA109 in toolholder LB109

Axialstechen ins Volle bei voller Stechtiefe nur bei D_{amin} 15 - 40 mm möglich!
Face grooving with full width of the full depth only possible between D_{amin} 15 - 40 mm!

HCG - HORN Catalogue Guide

INNENBEARBEITUNG / INTERNAL GROOVING

| Bohrungs-Ø Bore Ø | Artikelgruppen / Product line | | | | | | | | | | | |
|----------------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 105 | 109 | 110 | 106 | 107 | 108 | 10P | 111 | 11P | 114 | 116 | 18P |
| ≥ 0,2 | • | | | | | | | | | | | |
| ≥ 0,5 | • | | | | | | | | | | | |
| ≥ 0,7 | • | | | | | | | | | | | |
| ≥ 1,0 | • | | | | | | | | | | | |
| ≥ 1,5 | • | | | | | | | | | | | |
| ≥ 2,0 | • | | | | | | | | | | | |
| ≥ 3,0 | • | | | | | | | | | | | |
| ≥ 4,0 | • | | | | | | | | | | | |
| ≥ 5,0 | • | | | | | | | | | | | |
| ≥ 6,0 | • | • | • | • | | | | | | | | |
| ≥ 6,8 | | • | • | • | | | | | | | | |
| ≥ 7,0 | | • | | | • | | | | | | | |
| ≥ 7,8 | | | • | | • | • | | | | | | |
| ≥ 8,0 | | | • | | • | • | | | | | | |
| ≥ 9,0 | | | • | | • | • | • | | | | | |
| ≥ 10,0 | | | • | | | | • | • | • | | | |
| ≥ 10,5 | | | | | | | | | • | | | |
| ≥ 11,0 | | | | | | | | • | • | | | |
| ≥ 11,5 | | | | | | | | | • | | | |
| ≥ 13,8 | | | | | | | | | | • | | |
| ≥ 14,0 | | | | | | | | | | • | • | |
| ≥ 16,0 | | | | | | | | | | | • | |
| ≥ 16,5 | | | | | | | | | | (•) | | |
| ≥ 18,0 | | | | | | | | | | | | • |

| | | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|
| Stechtiefe Depth of groove | 2,5 | 2,5 | 4,0 | 0,8 | 2,0 | 1,0 | 3,0 | 2,3 | 3,5 | 4,0 (6,5) | 4,3 | 8,0 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|

| | | | | | | | | | | | | |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Stechbreite Width of groove | 0,5-2,0 | 1,0-2,0 | 1,0-3,0 | 0,7-1,5 | 1,0-2,0 | 0,7-2,0 | 1,0-3,0 | 0,7-3,0 | 1,0-3,0 | 0,7-3,0 | 0,7-4,0 | 2,0-3,0 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

| Bearbeitung / Machining | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Einstechen / Grooving | • | • | • | • | • | • | • | • | • | • | • | • |
| Ausdrehen / Boring | • | • | • | • | • | • | | • | | • | • | |
| Gewindedrehen / Threading | • | • | | | • | • | | • | | • | • | |
| Fasen / Chamfering | • | • | | • | • | • | | • | | • | • | |
| Axialeinstechen / Face Grooving | • | • | • | | | | | | | • | | |
| Hartdrehen / Hard turning | • | | | | | • | | • | | • | • | |

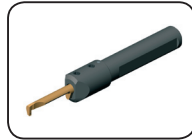
| | | | | | | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Kapitel / Chapter | A | B | C | D | E | F | G | H | J | K | L | M |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

Sonderwerkzeuge sind auf Anfrage erhältlich
Special tools upon request

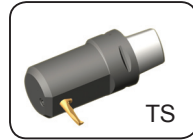
Abmessung in mm
Dimensions in mm

Supermini® HM-SCHNEIDWERKZEUGE **Typ 110**
Supermini® CARBIDE GROOVING TOOLS type

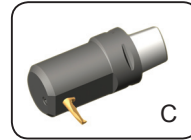
B110, VDI...110, N
Klemmhalter
Toolholder



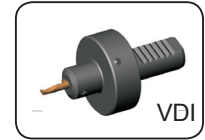
Seite/Page
C2-C3



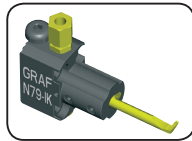
Seite/Page
C4



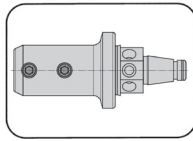
Seite/Page
C5-C6



Seite/Page
C7

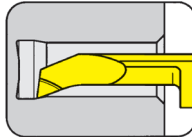


Seite/Page
C8

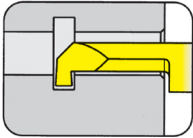


Seite/Page
C9

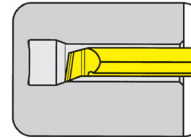
110
≥ Ø 6,0 mm
Schneidplatten
Inserts



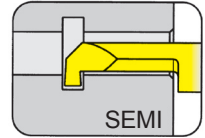
Seite/Page
C11



Seite/Page
C12-C13



Seite/Page
C14



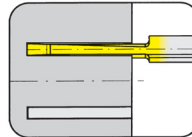
Seite/Page
C15

B110
Axialeinstechen
Face Grooving
Klemmhalter
Toolholder

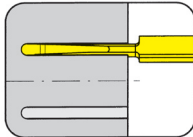


Seite/Page
C16

A110
Axialeinstechen
Face Grooving
Schneidplatten
Inserts



Seite/Page
C17



Seite/Page
C18

Technische Hinweise **Seite N2-N8**
Technical Instructions Page

EINSTECHEN und AUSDREHEN

GROOVING and BORING

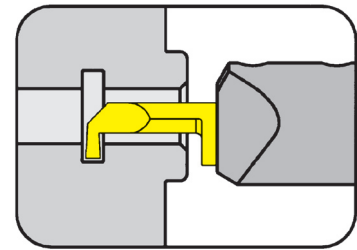


KLEMMHALTER Typ

TOOLHOLDER Type

B110

mit innerer Kühlmittelzufuhr
with through coolant supply



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Stechtiefe bis | Depth of groove up to | 4,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |

Verlängerte Aufnahme der Platte
Extended depth of insert seat

für Schneidplatte
for use with Insert

Typ 110
Type

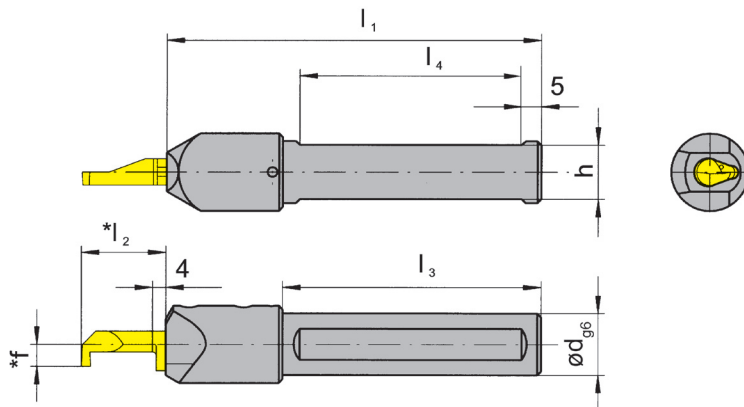


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | d | l ₁ | h | l ₃ | l ₄ |
|------------------------------|----|----------------|----|----------------|----------------|
| B110.0016.02 | 16 | 100 | 14 | 70 | 55 |
| B110.0020.02 | 20 | 100 | 18 | - | 55 |
| B110.0022.02 | 22 | 100 | 20 | - | 55 |
| B110.0025.02 | 25 | 100 | 23 | - | 55 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

f, l₂ siehe SP Typ 110
f, l₂ see inserts type 110

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| B110.00... | 6.075T15P | T15PQ |

EINSTECHEN und AUDREHEN

GROOVING and BORING



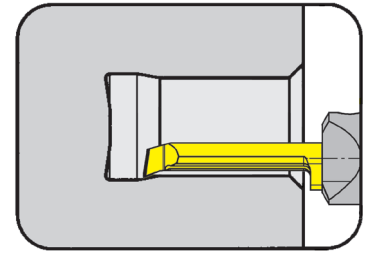
KLEMMHALTER Typ

TOOLHOLDER Type

B110

mit innerer Kühlmittelzufuhr
with through coolant supply

| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Stechtiefe bis | Depth of groove up to | 4,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |



für Schneidplatte
for use with Insert

Typ 110
Type

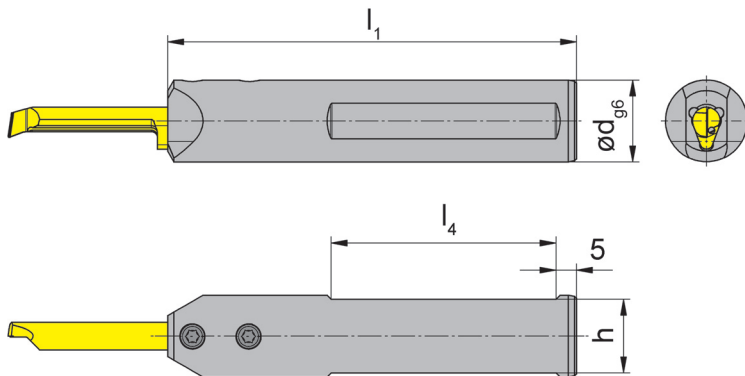


Abbildung = rechtsschneidend
Picture = right hand cutting version

mit zusätzlichen
Spülbohrungen
with additional through coolant
bores

| Bestellnummer Part number | d | l ₁ | h | l ₄ |
|------------------------------|----|----------------|----|----------------|
| B110.0020.K.02 | 20 | 100 | 18 | 55 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Bestellhinweis:

Klemmhalter sind jeweils für rechte und linke Schneidplatten verwendbar.

Ordering note:

Toolholders can be used with right and left hand inserts.

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.

For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B110.0020.K.02 | 6.075T15P | T15PQ |

EINSTECHEN und AUSDREHEN

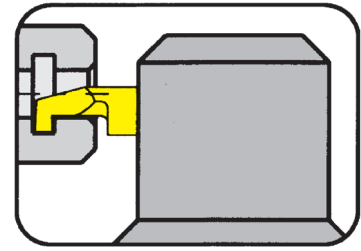
GROOVING and BORING



KLEMMHALTER Typ

TOOLHOLDER Type

B110TS

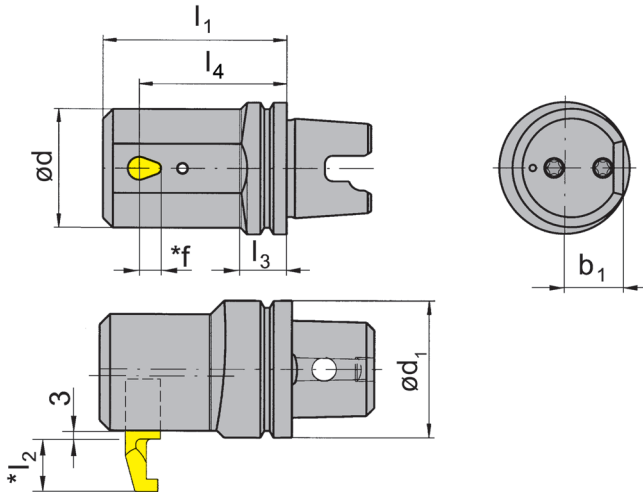


Direktaufnahme für Schneidplatte Typ 110 HORN-TS
Adapter for inserts type 110 HORN-TS

für INDEX Mehrspindler
for INDEX Multi spindle machines

für Schneidplatte
for use with Insert

Typ 110
Type



R = rechts wie gezeichnet
R = right hand version shown

HORN-Klemmhalter TS
nach ISO 26622
HORN Toolholder TS
according to DIN 26622

| Bestellnummer Part number | d | l ₁ | l ₃ | b ₁ | l ₄ | d ₁ | Maschinentyp Machine type |
|------------------------------|----|----------------|----------------|----------------|----------------|----------------|------------------------------|
| RB110.TS40.2.2.02 | 36 | 56 | 14 | 18 | 45 | 40 | MS32 |
| RB110.TS50.2.2.02 | 36 | 56 | 22 | 18 | 45 | 50 | MS52 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

f, l₂ siehe SP Typ 110
f, l₂ see inserts type 110

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

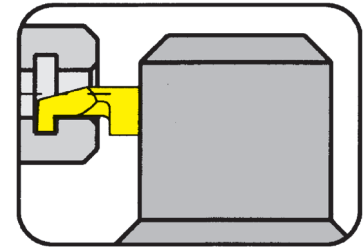
Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| RB110.TS... | 6.075T15P | T15PQ |

KLEMMHALTER Typ

TOOLHOLDER Type

B110C

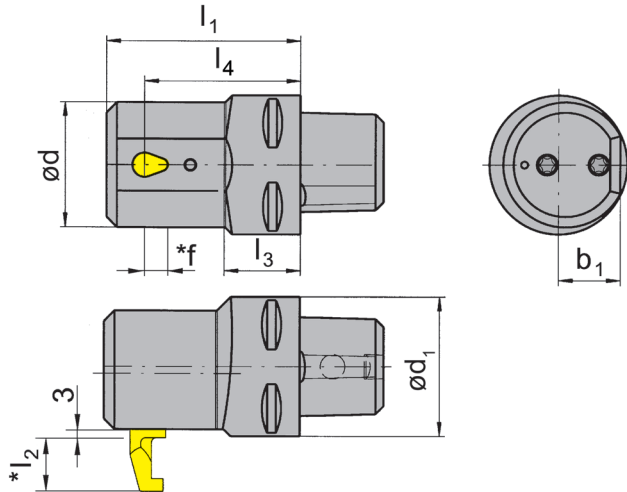


HORN-Polygonschaft nach ISO 26623
HORN Polygon shank according ISO 26623

für INDEX Mehrspindler
for INDEX Multi spindle machines

für Schneidplatte
for use with Insert

Typ 110
Type



R = rechts wie gezeichnet
R = right hand version shown

| Bestellnummer Part number | d | l ₁ | l ₃ | b ₁ | l ₄ | d ₁ | Maschinentyp Machine type |
|------------------------------|----|----------------|----------------|----------------|----------------|----------------|------------------------------|
| RB110.00C3.2.2.02 | 36 | 56 | 15 | 18 | 45 | 32 | MS32 |
| RB110.00C4.2.2.02 | 36 | 56 | 22 | 18 | 45 | 40 | MS52 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

f, l₂ siehe SP Typ 110
f, l₂ see inserts type 110

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| RB110.00C... | 6.075T15P | T15PQ |

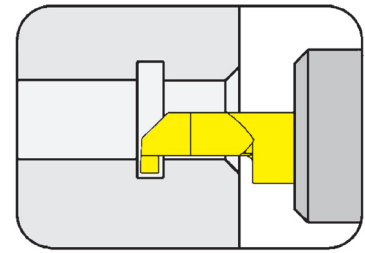
EINSTECHEN und AUSDREHEN

GROOVING and BORING



KLEMMHALTER Typ
TOOLHOLDER Type

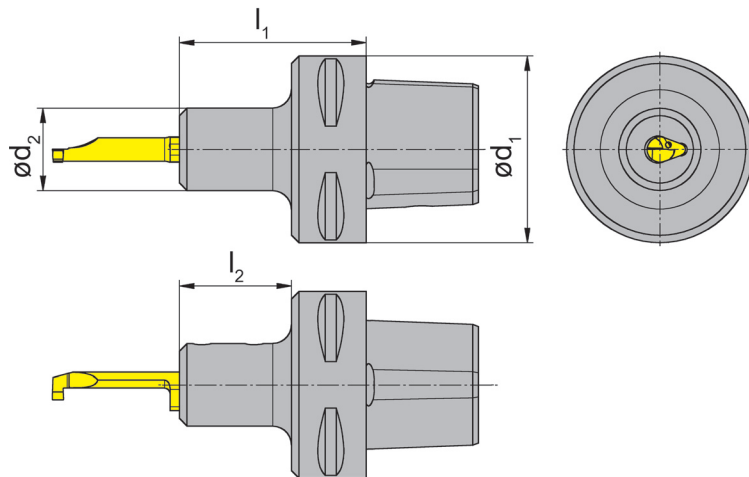
B110C



HORN-Polygonschaft nach ISO 26623
HORN Polygon shank according ISO 26623

für Schneidplatte
for use with Insert

Typ 110
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | l_1 | l_2 | d_2 | d_1 |
|------------------------------|-------|-------|-------|-------|
| R/LB110.00C3.22.1.02 | 45 | 30 | 22 | 32 |
| R/LB110.00C4.22.1.02 | 50 | 30 | 22 | 40 |
| R/LB110.00C5.22.1.02 | 50 | 30 | 22 | 50 |
| R/LB110.00C6.22.1.02 | 52 | 30 | 22 | 63 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile
Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| R/LB110.00C... | 6.075T15P | T15PQ |

EINSTECHEN und AUSDREHEN

GROOVING and BORING

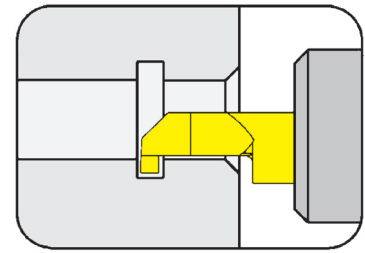


KLEMMHALTER Typ

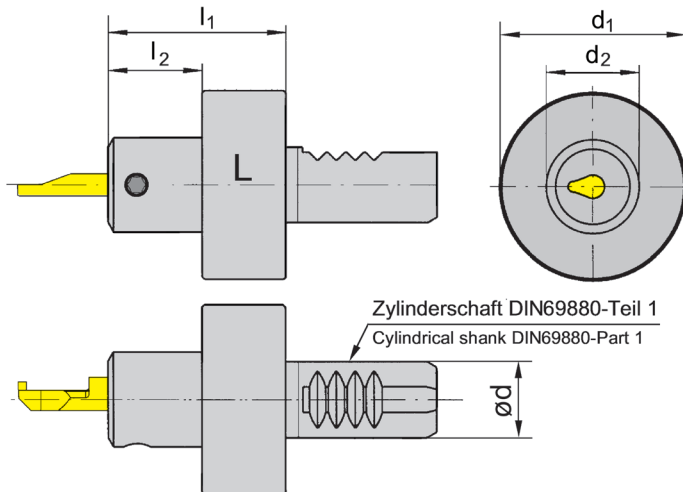
TOOLHOLDER Type

VDI

mit innerer Kühlmittelzufuhr
with through coolant supply



Bohrungs-Ø ab Bore Ø from 6,0 mm



für Schneidplatte
for use with Insert

Typ 110
Type

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer Part number | d | l ₁ | l ₂ | d ₂ | d ₁ |
|------------------------------|----|----------------|----------------|----------------|----------------|
| VDI16.R/L110.30.02 | 16 | 48 | 30 | 22 | 40 |
| VDI20.R/L110.30.02 | 20 | 48 | 30 | 22 | 50 |
| VDI25.R/L110.30.02 | 25 | 48 | 30 | 22 | 58 |
| VDI30.R/L110.30.02 | 30 | 48 | 30 | 22 | 68 |
| VDI40.R/L110.30.02 | 40 | 48 | 30 | 22 | 83 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| VDI... | 6.075T15P | T15PQ |

EINSTELLBARE HALTER Typ N

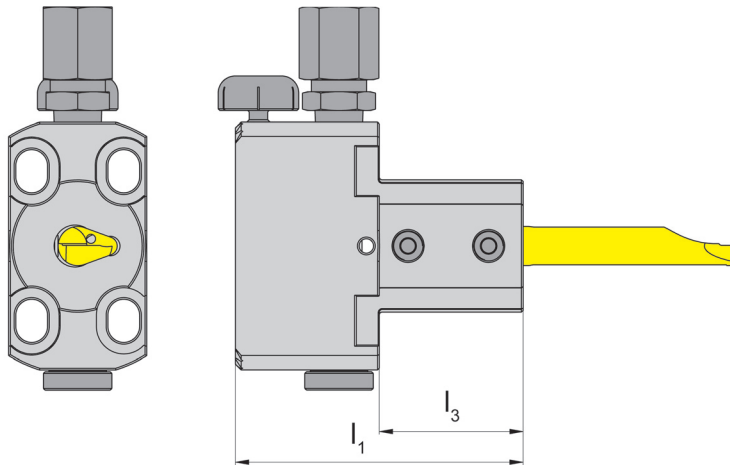
ADJUSTABLE HOLDER Type

N



| | | |
|-----------------|-----------------------|--------|
| Bohrungs-Ø ab | Bore Ø from | 6,0 mm |
| Stechtiefe bis | Depth of groove up to | 4,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |

mit innerer Kühlmittelzufuhr
with through coolant supply



für Schneidplatte
for use with Insert

Typ 110
Type

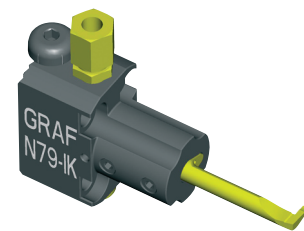


Abbildung = rechtsschneidend
Picture = right hand cutting version

| Bestellnummer Part number | l_1 | l_3 |
|------------------------------|-------|-------|
| N79IK | 50 | 25 |

Weitere Abmessungen auf Anfrage
Further sizes upon request

Abmessungen in mm
Dimensions in mm

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

| Einstellbare Halter Adjustable holder | Spannschraube Screw | Höhenverstellungsschraube Height adjustment screw | Kühlmittelanschluss Coolant supply |
|--|------------------------|--|---------------------------------------|
| N79IK | 6.075T15P | 002.00.69 | 004.00.19 |

EINSTECHEN und AUSDREHEN

GROOVING and BORING

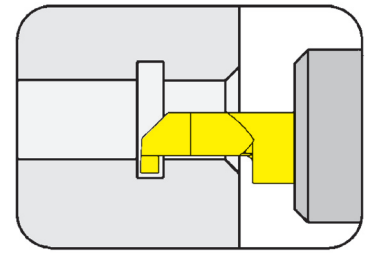


KLEMMHALTER Typ

TOOLHOLDER Type

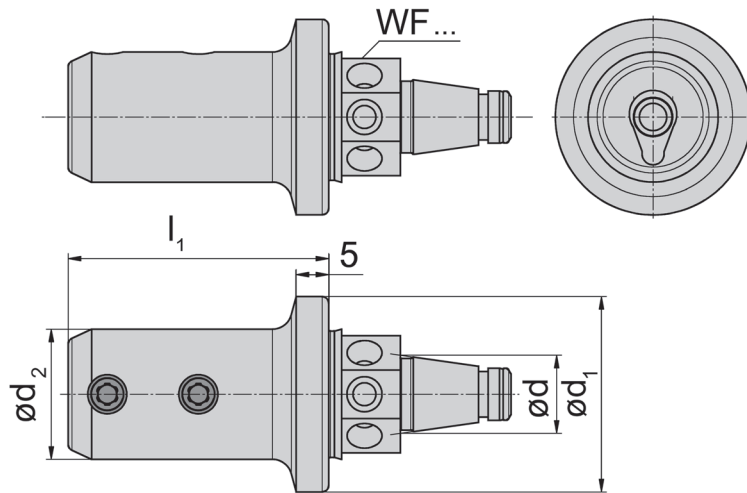
B110.WF

mit innerer Kühlmittelzufuhr
with through coolant supply



C

Bohrungs-Ø ab Bore Ø from 6,0 mm



für Schneidplatte
for use with Insert

Typ 110
Type

| Bestellnummer Part number | Anbindung Coupling System | d | l ₁ | d ₂ | d ₁ |
|------------------------------|------------------------------|----|----------------|----------------|----------------|
| B110.WF20.2.02 | WF20-12 | 12 | 40 | 20 | 30 |
| B110.WF24.2.02 | WF24-16 | 16 | 40 | 20 | 37 |
| B110.WF32.2.02 | WF32-20 | 20 | 40 | 20 | 50 |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile

Spare parts

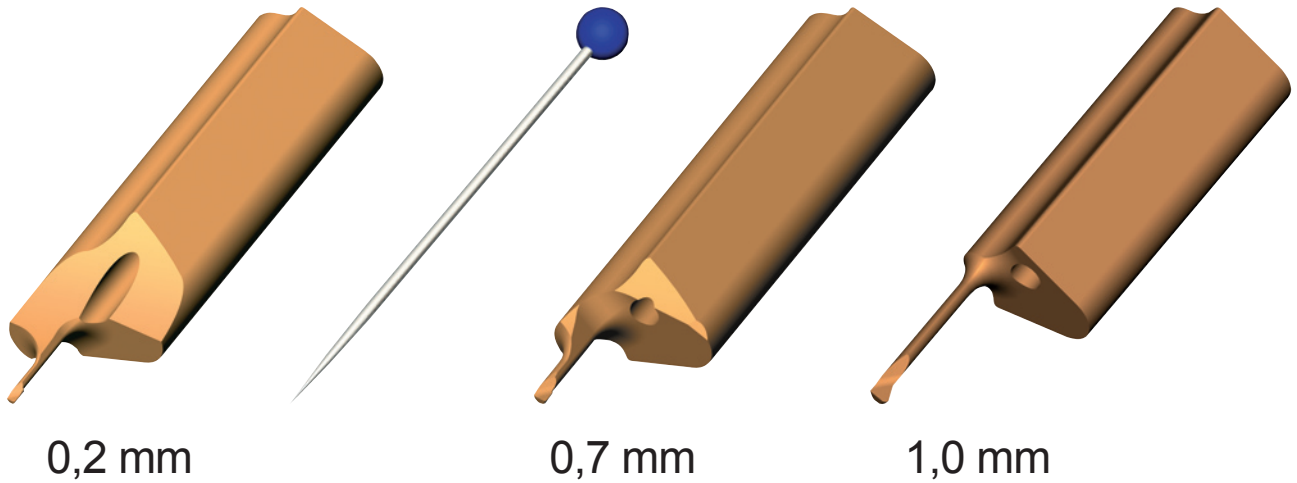
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
|---------------------------|------------------------|---|
| B110.WF... | 6.075T15P | T15PQ |

C

Bohrung ausdrehen ab

Boring from

0,2 mm



0,2 mm

0,7 mm

1,0 mm

Ein Beweis für den Namen

Supermini[®]

- einfach bestechend gut -

Supermini[®]

- best in small bores -

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

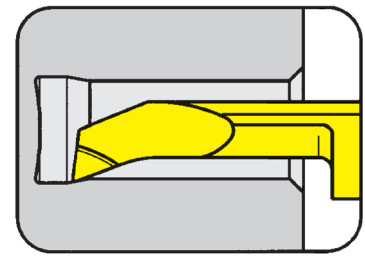
BORING and PROFILING



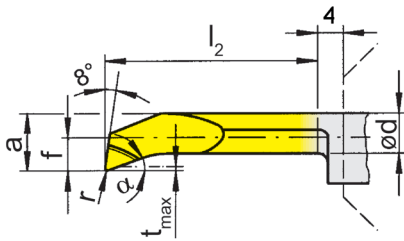
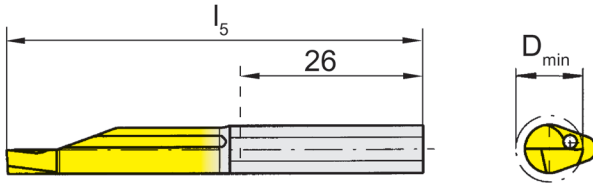
SCHNEIDPLATTE Typ

INSERT Type

110



Bohrungs- \varnothing ab Bore \varnothing from 6,0 mm



für Klemmhalter
for use with Toolholder

Typ B110
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | α | MG12 | TN35 | TI25 | TH35 |
|---|-----|-----|-----|-------|-------|-----------|-----------|-----|----------|------|------|------|------|
| R/L110.1829.7.6 | | | | 40 | 70 | 0,5 | 6 | 0,2 | 20° | | | ▲/▲ | ▲/▲ |
| R/L110.1829.9.6 | 2,9 | 5,7 | 4,8 | 50 | 80 | 0,5 | 6 | 0,2 | 20° | | | ▲/▲ | ▲/▲ |
| R/L110.1829.9.8 | 4,0 | 7,4 | 6,0 | 50 | 80 | 0,5 | 8 | 0,2 | 20° | | | ▲/▲ | ▲/▲ |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | | P | | • | • |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | | M | | • | • |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | | K | | • | • |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | | N | | • | • |
| beschichtete HM-Sorten / coated grades | | | | | | | | | | S | | • | • |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

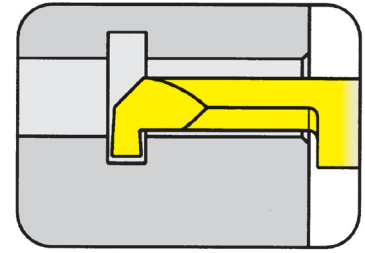
HM-Sorten
Carbide grades

EINSTECHEN (innen) $\geq \text{Ø } 8,0 \text{ mm}$ GROOVING (internal)

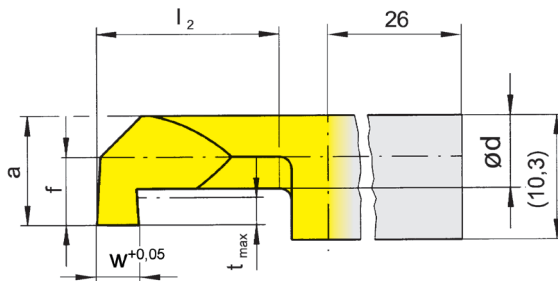
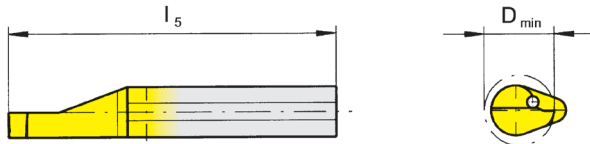


SCHNEIDPLATTE Typ
INSERT Type

110



Bohrungs-Ø ab Bore Ø from 8,0 mm



für Klemmhalter
for use with Toolholder

Typ B110
Type

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | w | f | a | d | l ₂ | l ₅ | t _{max} | D _{min} | MG12 | TN35 | TI25 | TH35 |
|---|-----|---|-----|-----|----------------|----------------|------------------|------------------|------|------|------|------|
| R/L110.0100.5.8 | 1,0 | | | | 30 | 60 | | | | ▲/▲ | | |
| R/L110.0200.5.8 | 2,0 | | | | 30 | 60 | | | | ▲/▲ | | |
| R/L110.0250.5.8 | 2,5 | 4 | 7,4 | 4,2 | 30 | 60 | 2,8 | 8 | | ▲/▲ | | |
| R/L110.0100.7.8 | 1,0 | | | | 40 | 70 | | | | ▲/Δ | | |
| R/L110.0200.7.8 | 2,0 | | | | 40 | 70 | | | | ▲/▲ | | |
| R/L110.0250.7.8 | 2,5 | | | | 40 | 70 | | | | ▲/Δ | | |
| R/L110.0100.5.0 | 1,0 | | | | 30 | 60 | | | | ▲/Δ | | |
| R/L110.0200.5.0 | 2,0 | | | | 30 | 60 | | | | ▲/▲ | | |
| R/L110.0300.5.0 | 3,0 | | | | 30 | 60 | | | | ▲/▲ | | |
| R/L110.0100.9.0 | 1,0 | 6 | 9,4 | 5,0 | 50 | 80 | 4,0 | 10 | | ▲/Δ | | |
| R/L110.0200.9.0 | 2,0 | | | | 50 | 80 | | | | ▲/▲ | | |
| R/L110.0300.9.0 | 3,0 | | | | 50 | 80 | | | | ▲/Δ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | | P | • | |
| • Haupteinsatzbereich / main recommendation | | | | | | | | | | M | • | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | | K | • | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | | N | • | |
| beschichtete HM-Sorten / coated grades | | | | | | | | | | S | • | |
| bestückt/Cermet / brazed/Cermet | | | | | | | | | | H | | |

Abmessungen in mm
Dimensions in mm

Ausführung R oder L angeben
State R or L version

Weitere Abmessungen auf Anfrage
Further sizes upon request

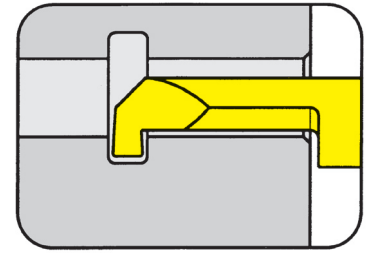
HM-Sorten
Carbide grades

EINSTECHEN (innen) $\geq \text{Ø } 8,0 \text{ mm}$ GROOVING (internal)

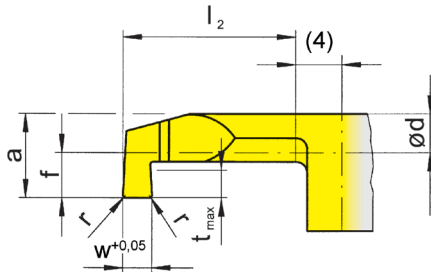
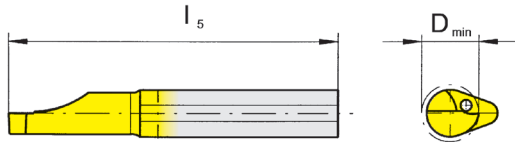


SCHNEIDPLATTE Typ
INSERT Type

110



Bohrungs-Ø ab Bore Ø from 8,0 mm



für Klemmhalter
for use with Toolholder

Typ B110
Type

mit Eckenradius
with corner radius

R = rechts wie gezeichnet
R = right hand version shown

| Bestellnummer Part number | w | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | MG12 | TN35 | TI25 | TH35 |
|---|---|---|-----|-----|-------|-------|-----------|-----------|-----|------|------|------|------|
| R110.0200.02.3.8 | 2 | 4 | 7,4 | 4,2 | 20 | 50 | 2,8 | 8 | 0,2 | | ▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | | | | P | • | | |
| ● Haupteinsatzbereich / main recommendation | | | | | | | | | | M | • | | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | | | | K | • | | |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | | | | N | • | | |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | | | | S | • | | |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

BOHRUNG-DREHEN $\geq \varnothing 6,0$ mm

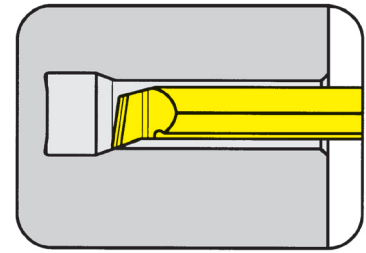
BORING and PROFILING



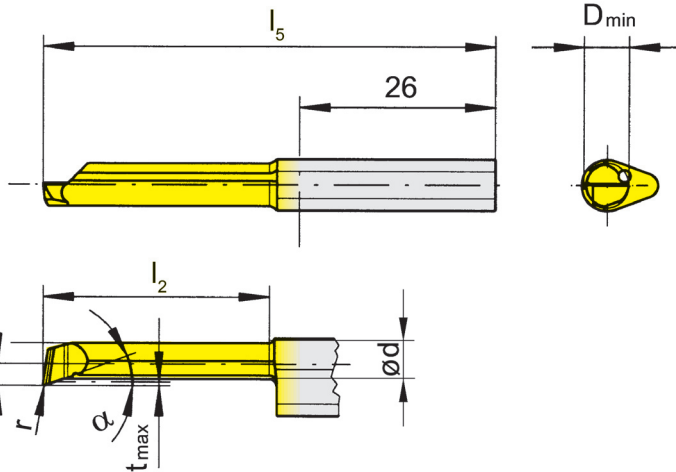
SCHNEIDPLATTE Typ

INSERT Type

110



Bohrungs- \varnothing ab Bore \varnothing from 6,0 mm



für Klemmhalter
for use with Toolholder

Typ B110
Type

mit Spantreppe
(Geometrie H)
with chip breaker
(geometry H)

R = rechts wie gezeichnet
R = right hand version shown

| Bestellnummer Part number | f | a | d | l_2 | l_5 | t_{max} | D_{min} | r | α | MG12 | TN35 | TI25 | TH35 |
|------------------------------|-----|-----|-----|-------|-------|-----------|-----------|-----|----------|------|------|------|------|
| R110.1829.9.H6 | 2,9 | 5,7 | 4,8 | 50 | 80 | 0,5 | 6 | 0,2 | 20° | | | ▲ | |
| R110.1829.9.H8 | 4,0 | 7,4 | 6,0 | 50 | 80 | 0,5 | 8 | 0,2 | 20° | | | ▲ | |
| | | | | | | | | | | P | | • | |
| | | | | | | | | | | M | | • | |
| | | | | | | | | | | K | | • | |
| | | | | | | | | | | N | | • | |
| | | | | | | | | | | S | | • | |
| | | | | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

| | | | |
|---|--|---|--|
| P | | • | |
| M | | • | |
| K | | • | |
| N | | • | |
| S | | • | |
| H | | | |

HM-Sorten
Carbide grades

Grundabmessungen Typ 110

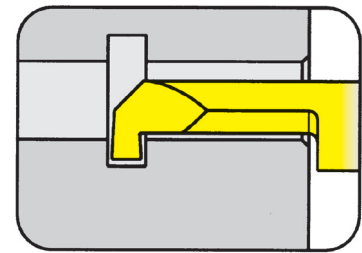
Basic sizes type 110



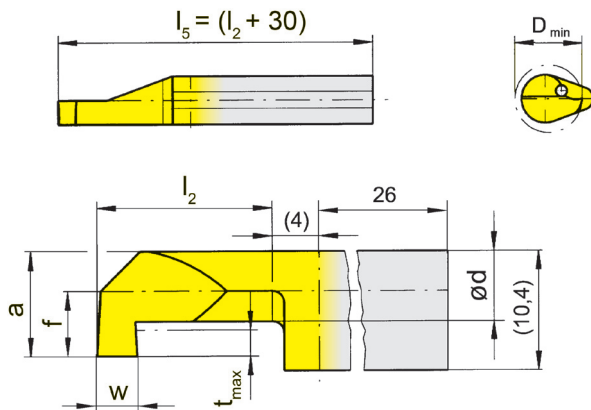
SCHNEIDPLATTE Typ 110

INSERT type

110



Grundabmessungen Typ 110
Basic sizes type 110



für Klemmhalter
for Toolholder

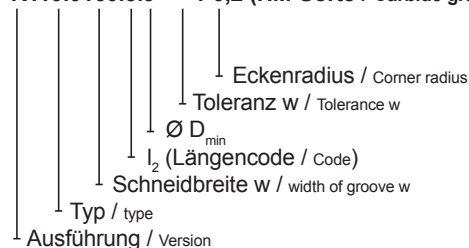
Typ B110
type

| Bestellnummer Part number | D _{min} | f | a | d | t _{max} | w | Längencode Code | I ₂ | MG12 | TN35 | TI25 | TH35 |
|------------------------------|------------------|---|-----|-----|------------------|---------|--------------------|----------------|-----------------------------|------|------|------|
| 110...8 | 8 | 4 | 7,4 | 4,2 | 2,8 | 0,5-3,0 | 1 | 10 | AUF ANFRAGE UPON REQUEST | | | |
| 110...9 | 9 | 5 | 8,4 | 4,8 | 3,5 | | 2 | 15 | | | | |
| | | | | | | | 3 | 20 | | | | |
| | | | | | | | 4 | 25 | | | | |
| 110...0 | 10 | 6 | 9,4 | 5,2 | 4,0 | | 5 | 30 | | | | |
| | | | | | | | 6 | 35 | | | | |
| | | | | | | | 7 | 40 | | | | |

Abmessungen in mm
Dimensions in mm

Bestellbeispiel:
Ordering example:

R110.0160.3.9^{+0,05}r 0,2 (HM-Sorte / Carbide grade)



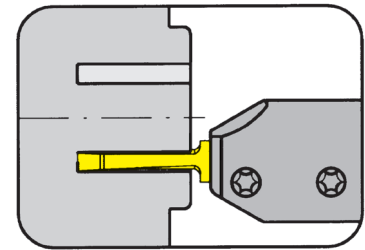
AXIALEINSTECHEN FACE GROOVING



KLEMMHALTER Typ TOOLHOLDER Type

B110

mit innerer Kühlmittelzufuhr
with through coolant supply

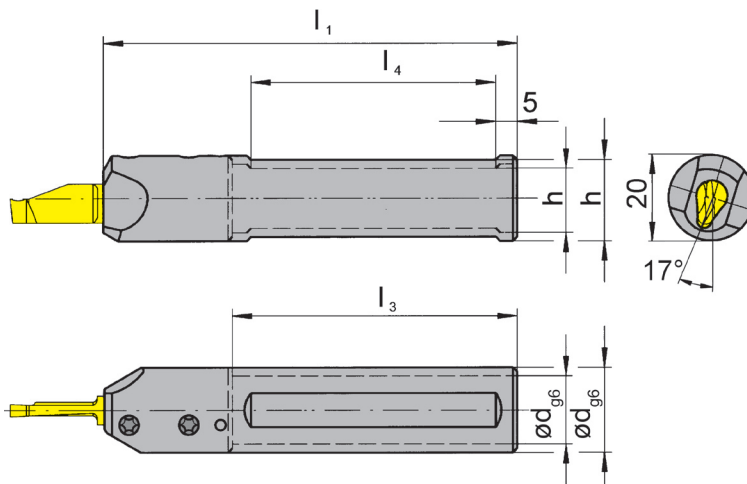


| | | |
|-----------------|-----------------------|---------|
| Nutaußen-Ø ab | from outer groove Ø | 20,0 mm |
| Stechtiefe bis | Depth of groove up to | 30,0 mm |
| Stechbreite bis | Width of groove up to | 3,0 mm |

Verlängerte Aufnahme der Platte
Extended depth of insert seat

für Schneidplatte
for use with Insert

Typ A110
Type



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

| Bestellnummer Part number | d | l ₁ | h | l ₃ | l ₄ |
|------------------------------|----|----------------|----|----------------|----------------|
| R/LB110.0016.16.2 | 16 | 100 | 14 | 70 | 55 |
| R/LB110.0020.16.2 | 20 | 100 | 18 | - | 55 |

Ausführung R oder L angeben
State R or L version

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

Das Anzugsdrehmoment der Schrauben finden Sie in den Technischen Hinweisen.
For torque specifications of the screw, please see Technical Instructions.

Ersatzteile Spare parts

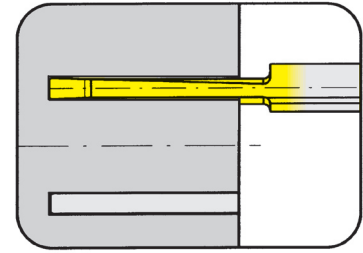
| | | |
|---------------------------|------------------------|---|
| Klemmhalter Toolholder | Spannschraube Screw | TORX PLUS®-Schlüssel TORX PLUS® Wrench |
| R/LB110.00... | 6.075T15P | T15PQ |

AXIALEINSTECHEN FACE GROOVING

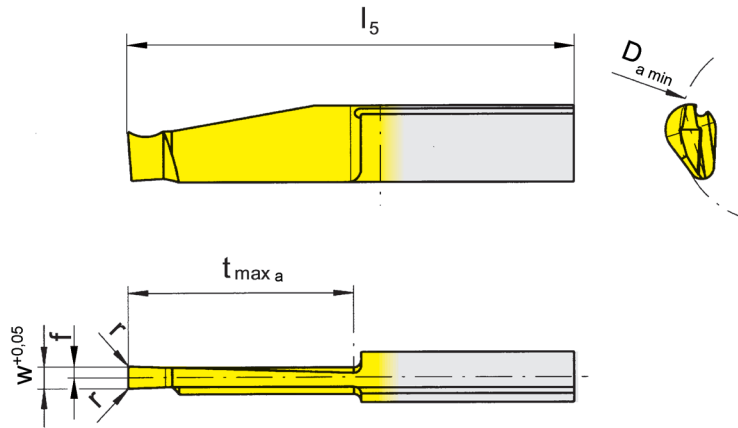


SCHNEIDPLATTE Typ INSERT Type

A110



| | | |
|---------------|---------------------|---------|
| Nutaußen-Ø ab | from outer groove Ø | 20,0 mm |
| Stechtiefe | Depth of groove | 30,0 mm |
| Stechbreite | Width of groove | 3,0 mm |



für Klemmhalter
for use with Toolholder

Typ B110
Type

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

| Bestellnummer Part number | w | r | f | l ₅ | t _{max a} | D _{a min} | MG12 | TN35 | TI25 | TH35 |
|---|---|-----|-----|----------------|--------------------|--------------------|------|------|------|------|
| R/LA110.2030.3.0 | 3 | 0,2 | 1,5 | 50 | 20 | 20 | | ▲/▲ | ▲/▲ | ▲/▲ |
| R/LA110.2030.5.0 | | | | 60 | 30 | | ▲/▲ | ▲/▲ | ▲/▲ | |
| R/LA110.5030.3.0 | 3 | 0,2 | 1,5 | 50 | 20 | 50 | | | ▲/▲ | |
| R/LA110.5030.5.0 | | | | 60 | 30 | | ▲/▲ | ▲/▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | P | • | • | • |
| ● Haupteinsatzbereich / main recommendation | | | | | | | M | • | • | • |
| o bedingt einsetzbar / alternative recommendation | | | | | | | K | • | • | • |
| ■ unbeschichtete HM-Sorten / uncoated grades | | | | | | | N | • | • | • |
| ■ beschichtete HM-Sorten / coated grades | | | | | | | S | • | • | • |
| ■ bestückt/Cermet / brazed/Cermet | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

Hinweis:

Schneidplatte RA110 in Klemmhalter RB110 und
Schneidplatte LA110 in Klemmhalter LB110 verwenden

Note:

Use insert RA110 in toolholder RB110
Use insert LA110 in toolholder LB110

Hinweis für R/LA110.2030...:

Axialstechen ins Volle bei voller Stechtiefe nur bei D_{amin} 20 - 50 mm möglich!

Note for R/LA110.2030...:

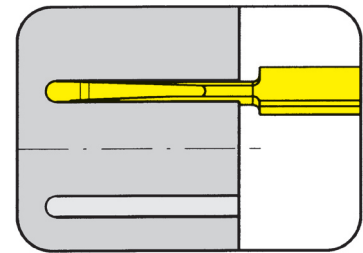
Face grooving with full width of the full depth only possible between D_{amin} 20 - 50 mm.

AXIALEINSTECHEN FACE GROOVING



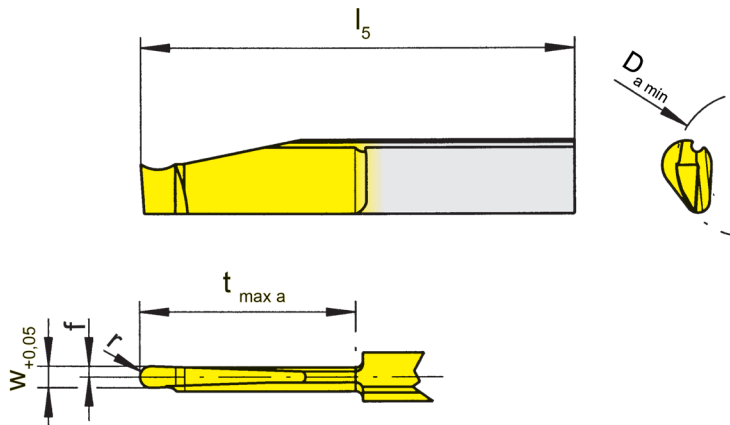
SCHNEIDPLATTE Typ INSERT Type

A110



| | | |
|---------------|---------------------|---------|
| Nutaußen-Ø ab | from outer groove Ø | 20,0 mm |
| Stechtiefe | Depth of groove | 30,0 mm |
| Stechbreite | Width of groove | 3,0 mm |

C



für Klemmhalter
for use with Toolholder

Typ B110
Type

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Vollradius
Full radius

| Bestellnummer Part number | w | r | f | l ₅ | t _{max a} | D _{a min} | MG12 | TN35 | TI25 | TH35 |
|---|---|-----|-----|----------------|--------------------|--------------------|------|------|------|------|
| R/LA110.2030.15.5.0 | 3 | 1,5 | 1,5 | 60 | 30 | 20 | | ▲/▲ | | |
| ▲ ab Lager / on stock Δ 4 Wochen / 4 weeks | | | | | | | P | • | | |
| • Haupteinsatzbereich / main recommendation | | | | | | | M | • | | |
| o bedingt einsetzbar / alternative recommendation | | | | | | | K | • | | |
| unbeschichtete HM-Sorten / uncoated grades | | | | | | | N | • | | |
| beschichtete HM-Sorten / coated grades | | | | | | | S | • | | |
| bestückt/Cermet / brazed/Cermet | | | | | | | H | | | |

Abmessungen in mm
Dimensions in mm

Weitere Abmessungen auf Anfrage
Further sizes upon request

HM-Sorten
Carbide grades

Ausführung R oder L angeben
State R or L version

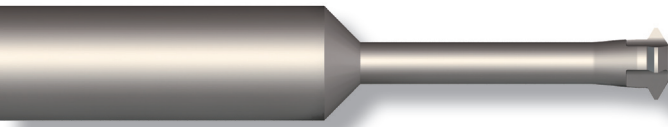
Hinweis:

Schneidplatte RA110 in Klemmhalter RB110 und
Schneidplatte LA110 in Klemmhalter LB110 verwenden

Note:

Use insert RA110 in toolholder RB110
Use insert LA110 in toolholder LB110

Axialstechen ins Volle bei voller Stechtiefe nur bei D_{amin} 20 - 50 mm möglich!
Face grooving with full width of the full depth only possible between D_{amin} 20 - 50 mm.

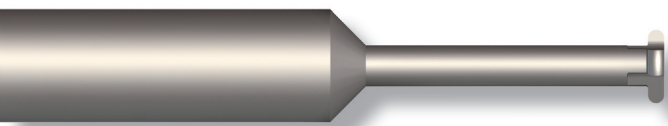


Typ DCG

Gewindefräsen Voll- und Teilprofil
M3 - M12

type DCG

Thread milling, Full and partial profile
M3 - M12

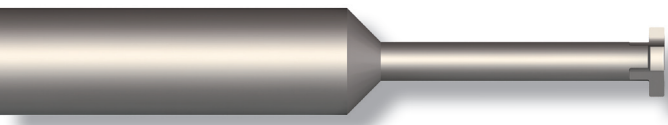


Typ DCR

Nutfräsen Vollradius
Ø Ds 4,0 - 10,0 mm
Radius 0,5 - 1,5 mm

type DCR

Groove milling Full Radius
Ø Ds 4,0 - 10,0 mm
Radius 0,5 - 1,5 mm

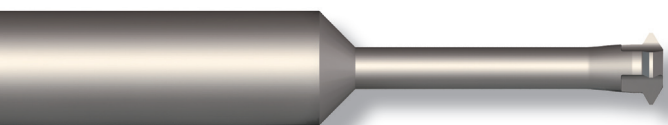


Typ DCN

Nutfräsen
Ø Ds 4,0 - 10,0 mm

type DCN

Groove milling
Ø Ds 4,0 - 10,0 mm



Typ DCF

Fasfräsen
Ø Ds 2,0 - 7,5 mm

type DCF

Chamfer milling
Ø Ds 2,0 - 7,5 mm

HCG - HORN Catalogue Guide

INNENBEARBEITUNG / INTERNAL GROOVING

| Bohrungs-Ø Bore Ø | Artikelgruppen / Product line | | | | | | | | | | | | |
|----------------------|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | 105 | 109 | 110 | 106 | 107 | 108 | 10P | 111 | 11P | 114 | 116 | 18P | |
| ≥ 0,2 | • | | | | | | | | | | | | |
| ≥ 0,5 | • | | | | | | | | | | | | |
| ≥ 0,7 | • | | | | | | | | | | | | |
| ≥ 1,0 | • | | | | | | | | | | | | |
| ≥ 1,5 | • | | | | | | | | | | | | |
| ≥ 2,0 | • | | | | | | | | | | | | |
| ≥ 3,0 | • | | | | | | | | | | | | |
| ≥ 4,0 | • | | | | | | | | | | | | |
| ≥ 5,0 | • | | | | | | | | | | | | |
| ≥ 6,0 | • | • | • | • | | | | | | | | | |
| ≥ 6,8 | | • | • | • | | | | | | | | | |
| ≥ 7,0 | | • | | | • | | | | | | | | |
| ≥ 7,8 | | | • | | • | • | | | | | | | |
| ≥ 8,0 | | | • | | • | • | | | | | | | |
| ≥ 9,0 | | | • | | • | • | • | | | | | | |
| ≥ 10,0 | | | • | | | | • | • | • | | | | |
| ≥ 10,5 | | | | | | | | | • | | | | |
| ≥ 11,0 | | | | | | | | • | • | | | | |
| ≥ 11,5 | | | | | | | | | • | | | | |
| ≥ 13,8 | | | | | | | | | | • | | | |
| ≥ 14,0 | | | | | | | | | | • | • | | |
| ≥ 16,0 | | | | | | | | | | | • | | |
| ≥ 16,5 | | | | | | | | | | (•) | | | |
| ≥ 18,0 | | | | | | | | | | | | | • |

| | | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|
| Stechtiefe Depth of groove | 2,5 | 2,5 | 4,0 | 0,8 | 2,0 | 1,0 | 3,0 | 2,3 | 3,5 | 4,0 (6,5) | 4,3 | 8,0 |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------|-----|-----|

| | | | | | | | | | | | | |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Stechbreite Width of groove | 0,5-2,0 | 1,0-2,0 | 1,0-3,0 | 0,7-1,5 | 1,0-2,0 | 0,7-2,0 | 1,0-3,0 | 0,7-3,0 | 1,0-3,0 | 0,7-3,0 | 0,7-4,0 | 2,0-3,0 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

| Bearbeitung / Machining | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Einstechen / Grooving | • | • | • | • | • | • | • | • | • | • | • | • |
| Ausdrehen / Boring | • | • | • | • | • | • | | • | | • | • | |
| Gewindedrehen / Threading | • | • | | | • | • | | • | | • | • | |
| Fasen / Chamfering | • | • | | • | • | • | | • | | • | • | |
| Axialeinstechen / Face Grooving | • | • | • | | | | | | | • | | |
| Hartdrehen / Hard turning | • | | | | | • | | • | | • | • | |

| | | | | | | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Kapitel / Chapter | A | B | C | D | E | F | G | H | J | K | L | M |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

Sonderwerkzeuge sind auf Anfrage erhältlich
Special tools upon request

Abmessung in mm
Dimensions in mm