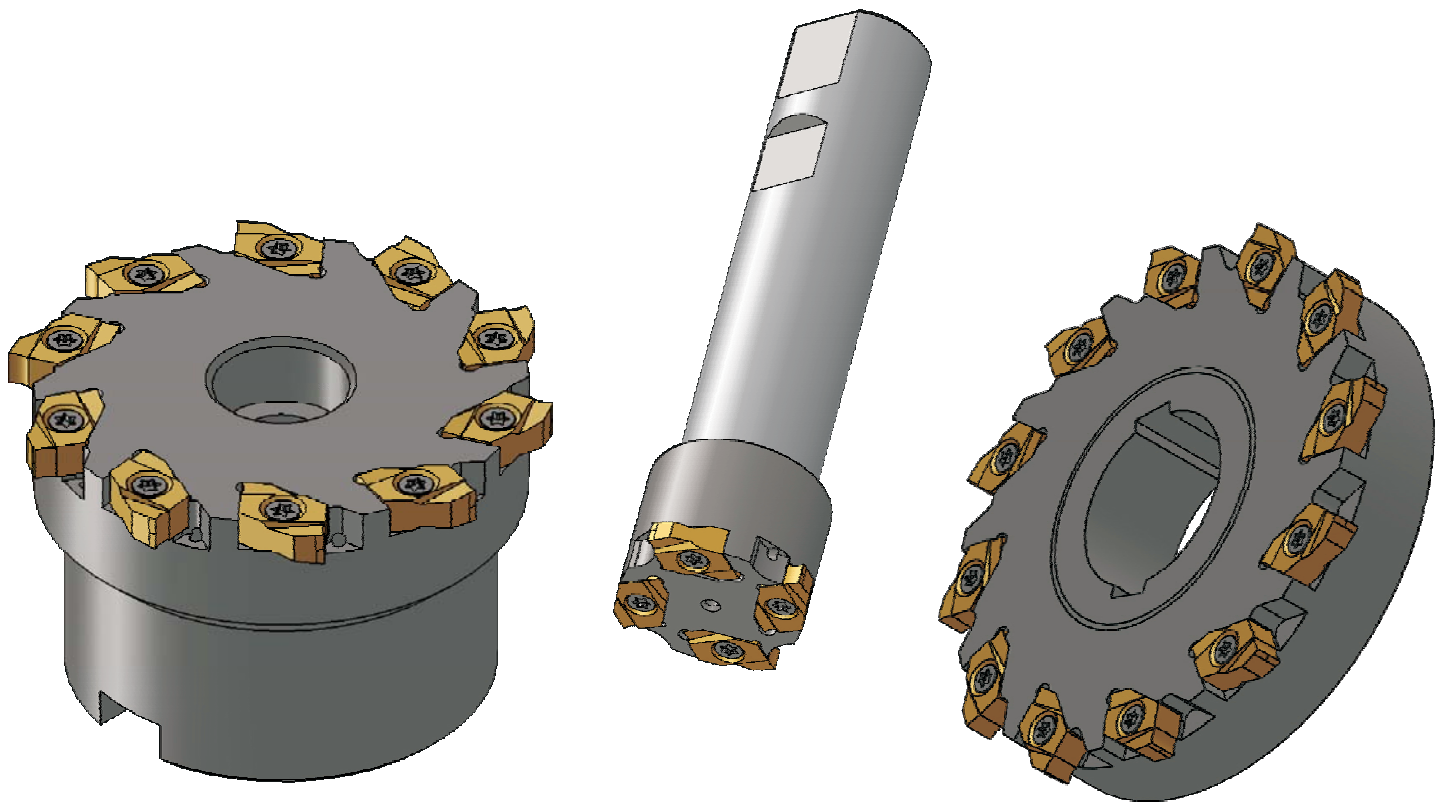




HEAD[®]-Master



THE TOOLS

Groove milling

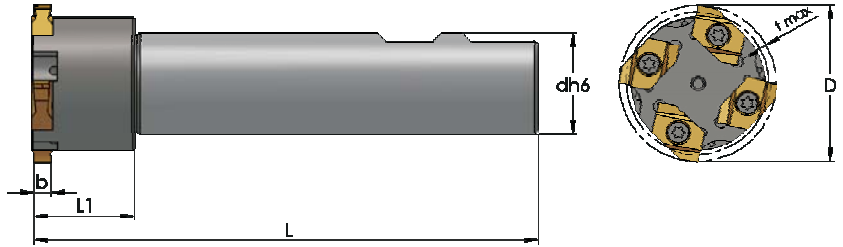
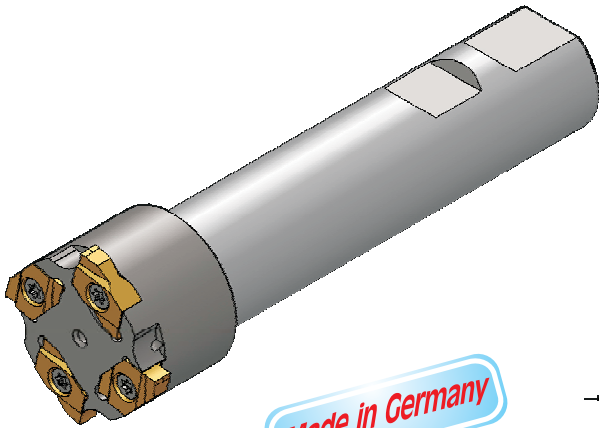
Nutenfräsen

Zirkularnutenfräser innen / außen
Circulargroove milling

1132

Ausführung: Fräser für Nutenfräsen (zirkular) innen / außen
Lieferumfang: ohne Wendeschneidplatte, ohne Schraubendreher
Anwendung: universeller Einsatz zum Fräsen von Nuten

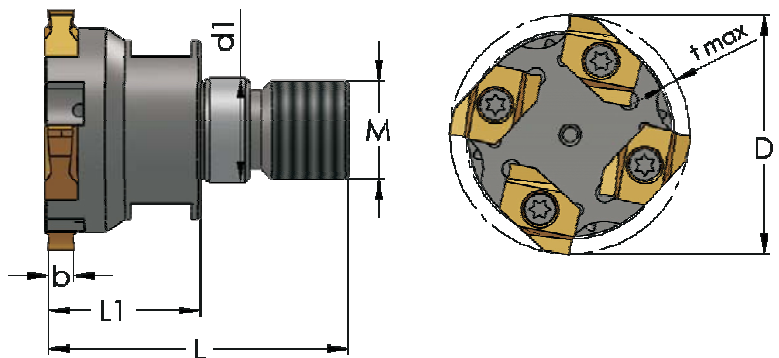
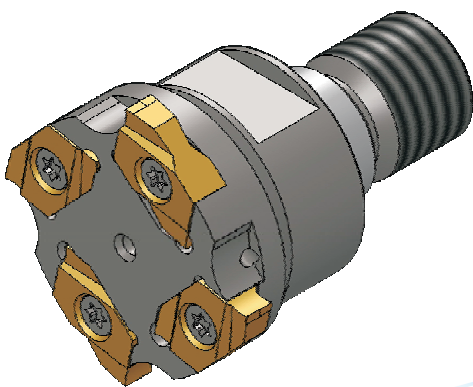
Execution: Milling cutter groove milling (circular)
Delivery: without insert, without screwdriver
Application: universal application for groove milling



W-WVL = schwingungsgedämpfte Ausführung
W-WVL = damped execution

| Bestell-Nr./Order No. | Abmessungen - Dimension (mm) | | | | | | | Wendeplatte insert | Wpl.-schraube insert screw | Torxschlüssel key |
|-----------------------|------------------------------|-----|----|-----|---|--------|---------------|--------------------|----------------------------|-------------------|
| | D | L | L1 | dh6 | Z | t max. | b bis / to | | | |
| 1132 | | | | | | | | | | |
| 034 W-W | 34 | 125 | 25 | 25 | 2 | 1,75 | 1,71 | MN12.. | M-VTX 408 | M-BT 15 |
| 034 W-WVL | 34 | 200 | 25 | 25 | 2 | 1,75 | 1,71 | | | |
| 039 W-W | 39 | 125 | 25 | 25 | 3 | 2,5 | 2,26 | | | |
| 039 W-WVL | 39 | 200 | 25 | 25 | 3 | 2,5 | 2,26 | | | |
| 044 W-W | 44 | 125 | 25 | 32 | 4 | 3 | 3,26 | | | |
| 044 W-WVL | 44 | 200 | 25 | 32 | 4 | 3 | 3,26 | | | |

Bestellbeispiel / Order example: 1132-034 W-W



NEU / NEW

| Bestell-Nr./Order No. | Abmessungen - Dimension (mm) | | | | | | | | Wendeplatte insert | Wpl.-schraube insert screw | Torxschlüssel key |
|-----------------------|------------------------------|----|----|----|-----|---|--------|---------------|--------------------|----------------------------|-------------------|
| | D | d1 | L | L1 | M | Z | t max. | b bis / to | | | |
| 1132 | | | | | | | | | | | |
| 034 E-W | 34 | 17 | 43 | 67 | M16 | 2 | 1,75 | 1,71 | MN12.. | M-VTX 408 | M-BT 15 |
| 039 E-W | 39 | 17 | 43 | 67 | M16 | 3 | 2,5 | 2,26 | | | |
| 044 E-W | 44 | 17 | 43 | 67 | M16 | 4 | 3,0 | 3,26 | | | |

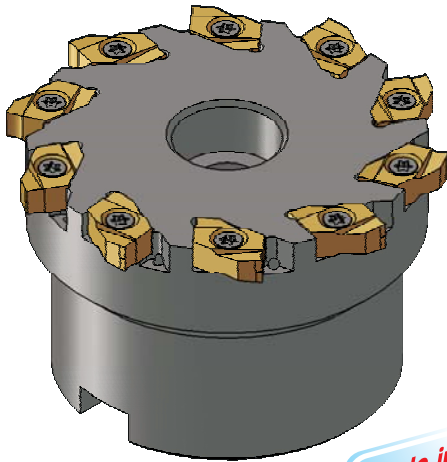
Bestellbeispiel / Order example: 1132-034 E-W

Zirkularnutenfräser innen / außen Circulargroove milling

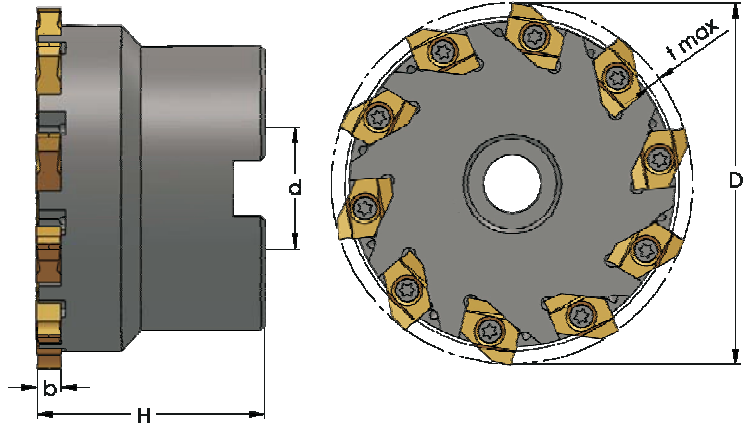
Ausführung: Fräser für Nutenfräsen (zirkular) innen / außen
Lieferumfang: ohne Wendeschneidplatte, ohne Schraubendreher
Anwendung: universeller Einsatz zum Fräsen von Nuten

1132

Execution: Milling cutter groove milling (circular)
Delivery: without insert, without screwdriver
Application: universal application for groove milling

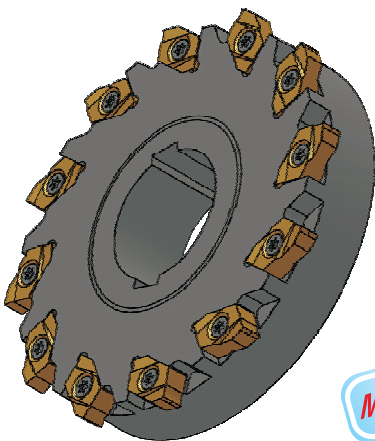


Made in Germany

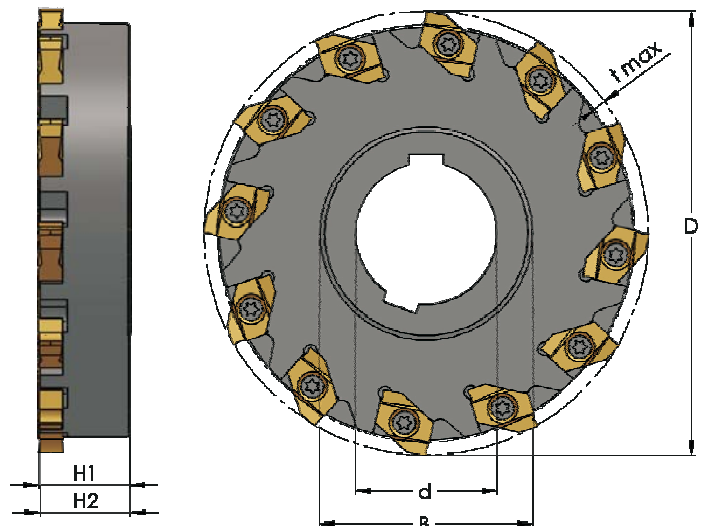


| Bestell-Nr./Order No. | Abmessungen - Dimension (mm) | | | | | | Wendepatte insert | Wpl.-schraube insert screw | Torxschlüssel key |
|-----------------------|------------------------------|----|----|---|--------|------------|-------------------|----------------------------|-------------------|
| | D | H | d | Z | t max. | b bis / to | | | |
| 1132 | | | | | | | | | |
| 049 M-W | 49 | 40 | 16 | 5 | 2,50 | 4,26 | MN12.. | M-VTX 408 | M-BT 15 |
| 063 M-W | 63 | 50 | 22 | 7 | 3,00 | 5,26 | | | |
| 080 M-W | 80 | 50 | 27 | 9 | 3,00 | 5,26 | | | |

Bestellbeispiel / Order example: 1132-049 M-W



Made in Germany



R = Rechtsschneidend, links verzahnt (Abb.)
L = Rechtsschneidend, rechts verzahnt


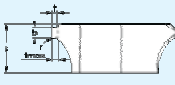
R = Right hand cutting direction, left hand indentation
L = Right hand cutting direction, right hand indentation

| Bestell-Nr./Order No. | Abmessungen - Dimension (mm) | | | | | | | | Wendepatte insert | Wpl.-schraube insert screw | Torxschlüssel key |
|-----------------------|------------------------------|----|------|----|----|----|--------|------------|-------------------|----------------------------|-------------------|
| | D | H1 | H2 | B | d | Z | t max. | b bis / to | | | |
| 1132 | | | | | | | | | | | |
| 063 S-W-R/L | 63 | 14 | 14,2 | 34 | 22 | 7 | 3,00 | 5,26 | MN12.. | M-VTX 408 | M-BT 15 |
| 080 S-W-R/L | 80 | 16 | 16,2 | 43 | 27 | 9 | 3,00 | 5,26 | | | |
| 100 S-W-R/L | 100 | 20 | 20,2 | 48 | 32 | 11 | 3,00 | 5,26 | | | |

Bestellbeispiel / Order example: 1132-034 S-W-R

Wendepplatten & Technische Daten

Inserts & Technical datas

| | Form Figure | Abmessungen Dimensions | | | | | | Bezeichnung Designation | Beschichtete Sorten- coated grades | | | | | |
|---|---|------------------------|--------|-----|------|------|------|-------------------------|------------------------------------|-------|-------|-------|-------|-------|
| | | NB | t max. | s | b | r | t | | MTM10 | PTT20 | PTT35 | KTE20 | PTV28 | PTT35 |
|  M12... |  | 1,10 | 0,50 | 5,4 | 1,21 | 0,10 | 0,49 | MN12.110.050 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 1,30 | 0,70 | 5,4 | 1,41 | 0,10 | 0,67 | MN12.130.070 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 1,30 | 0,85 | 5,4 | 1,41 | 0,10 | 0,83 | MN12.130.085 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 1,60 | 0,85 | 5,4 | 1,71 | 0,15 | 0,83 | MN12.160.085 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 1,60 | 1,00 | 5,4 | 1,71 | 0,15 | 0,97 | MN12.160.100 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 1,85 | 1,25 | 5,4 | 1,96 | 0,15 | 1,23 | MN12.185.125 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 2,15 | 1,50 | 5,4 | 2,26 | 0,15 | 1,47 | MN12.215.150 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 2,65 | 1,50 | 5,4 | 2,76 | 0,15 | 1,47 | MN12.265.150 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 2,65 | 1,75 | 5,4 | 2,76 | 0,15 | 1,72 | MN12.265.175 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 3,15 | 1,75 | 5,4 | 3,26 | 0,15 | 1,72 | MN12.315.175 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 4,15 | 2,00 | 5,4 | 4,26 | 0,15 | 1,97 | MN12.415.200 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 4,15 | 2,50 | 5,4 | 4,26 | 0,15 | 2,47 | MN12.415.250 R/L | ■ | ■ | ■ | ■ | ■ | ■ |
| | | 5,15 | 3,00 | 5,4 | 5,26 | 0,15 | 2,97 | MN12.515.300 R/L | ■ | ■ | ■ | ■ | ■ | ■ |

■ Lieferbar in stock □ auf Anfrage on request

Werkzeugtypen Tool-types

1132

| Arbeitsmaterial Material-groups | HM-Qualitäten Carbides quality | Vc | fz |
|---|-----------------------------------|-----------|-------------|
| Einfachbearbeitungs-Kohlenstahl <i>Easy to work carbon steel</i> | PTV28 PTT35 | 100 - 170 | 0,03 - 0,05 |
| Flussstahl - Edelstahl <i>Cast steel - alloyed steel</i> | PTV28 PTT35 | 100 - 150 | 0,03 - 0,05 |
| Werkzeugstahl <i>Steel for tools</i> | PTV28 PTT35 | 80 - 110 | 0,03 - 0,05 |
| Martensit-Ferriter Rostfreier Stahl AISI400 <i>Martensitic and ferritic stainless steel AISI400</i> | PTV28 PTT35 | 100 - 140 | 0,03 - 0,05 |
| Austenitischer Rostfreier Stahl - Serie AISI300 <i>Austenitic stainless steel AISI300</i> | PTV28 PTT35 | 80 - 110 | 0,03 - 0,05 |
| Grauguss <i>Gray cast iron</i> | MTM10 | 80 - 120 | 0,03 - 0,05 |
| Sphäroguss <i>Spheroidal cast iron</i> | PTV28 PTT35 | 80 - 120 | 0,03 - 0,05 |
| Eisenfreies Material Kupfer - Gelbguss <i>Non ferrous material --copper, brass</i> | KTE20 | 100 - 140 | 0,03 - 0,05 |
| Aluminiumlegierung <i>Aluminium alloy</i> | KTE20 | 200 - 400 | 0,03 - 0,05 |

Preise / Prices

EURO

| | | |
|------------------------|----|--------|
| 1132-034 W-W | F | 250,00 |
| 1132-034 W-WVL | F | 420,00 |
| 1132-039 W-W | F | 250,00 |
| 1132-039 W-WVL | F | 420,00 |
| 1132-044 W-W | F | 250,00 |
| 1132-044 W-WVL | F | 420,00 |
| 1132-034 E-W | F | 250,00 |
| 1132-039 E-W | F | 250,00 |
| 1132-044 E-W | F | 250,00 |
| 1132-049 M-W | F | 300,00 |
| 1132-063 M-W | F | 350,00 |
| 1132-080 M-W | F | 430,00 |
| 1132-063 S-W-R/L | F | 350,00 |
| 1132-080 S-W-R/L | F | 430,00 |
| 1132-100 S-W-R/L | F | 480,00 |
| MN12.110.050 R/L MTM10 | WF | 22,50 |
| MN12.110.050 R/L KTE20 | WF | 22,50 |
| MN12.110.050 R/L PTV28 | WF | 22,50 |
| MN12.110.050 R/L PTT35 | WF | 22,50 |
| MN12.130.070 R/L MTM10 | WF | 22,50 |
| MN12.130.070 R/L KTE20 | WF | 22,50 |
| MN12.130.070 R/L PTV28 | WF | 22,50 |
| MN12.130.070 R/L PTT35 | WF | 22,50 |
| MN12.130.085 R/L MTM10 | WF | 22,50 |
| MN12.130.085 R/L KTE20 | WF | 22,50 |
| MN12.130.085 R/L PTV28 | WF | 22,50 |
| MN12.130.085 R/L PTT35 | WF | 22,50 |
| MN12.160.085 R/L MTM10 | WF | 22,50 |
| MN12.160.085 R/L KTE20 | WF | 22,50 |
| MN12.160.085 R/L PTV28 | WF | 22,50 |
| MN12.160.085 R/L PTT35 | WF | 22,50 |
| MN12.160.100 R/L MTM10 | WF | 22,50 |
| MN12.160.100 R/L KTE20 | WF | 22,50 |
| MN12.160.100 R/L PTV28 | WF | 22,50 |
| MN12.160.100 R/L PTT35 | WF | 22,50 |
| MN12.185.125 R/L MTM10 | WF | 22,50 |
| MN12.185.125 R/L KTE20 | WF | 22,50 |
| MN12.185.125 R/L PTV28 | WF | 22,50 |
| MN12.185.125 R/L PTT35 | WF | 22,50 |
| MN12.215.150 R/L MTM10 | WF | 22,50 |
| MN12.215.150 R/L KTE20 | WF | 22,50 |
| MN12.215.150 R/L PTV28 | WF | 22,50 |
| MN12.215.150 R/L PTT35 | WF | 22,50 |
| MN12.265.150 R/L MTM10 | WF | 22,50 |
| MN12.265.150 R/L KTE20 | WF | 22,50 |
| MN12.265.150 R/L PTV28 | WF | 22,50 |
| MN12.265.150 R/L PTT35 | WF | 22,50 |
| MN12.265.175 R/L MTM10 | WF | 22,50 |
| MN12.265.175 R/L KTE20 | WF | 22,50 |
| MN12.265.175 R/L PTV28 | WF | 22,50 |
| MN12.265.175 R/L PTT35 | WF | 22,50 |
| MN12.315.175 R/L MTM10 | WF | 22,50 |
| MN12.315.175 R/L KTE20 | WF | 22,50 |
| MN12.315.175 R/L PTV28 | WF | 22,50 |
| MN12.315.175 R/L PTT35 | WF | 22,50 |
| MN12.415.200 R/L MTM10 | WF | 22,50 |
| MN12.415.200 R/L KTE20 | WF | 22,50 |
| MN12.415.200 R/L PTV28 | WF | 22,50 |
| MN12.415.200 R/L PTT35 | WF | 22,50 |
| MN12.415.250 R/L MTM10 | WF | 22,50 |
| MN12.415.250 R/L KTE20 | WF | 22,50 |
| MN12.415.250 R/L PTV28 | WF | 22,50 |
| MN12.415.250 R/L PTT35 | WF | 22,50 |
| MN12.515.300 R/L MTM10 | WF | 22,50 |
| MN12.515.300 R/L KTE20 | WF | 22,50 |
| MN12.515.300 R/L PTV28 | WF | 22,50 |
| MN12.515.300 R/L PTT35 | WF | 22,50 |

Die o.g. Daten sind als Empfehlungswerte zu betrachten.
The above data are approximate.



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Nutenfräsen - 09/11