



-Special

SP100/2018-DE/GB

Sparbuch 2018 *Savings Book*

Bestseller für die Zerspanung
Bestsellers for Metal Cutting



■ **Sämtliche Präzisionswerkzeuge mit Nickelbeschichtung zur wesentlichen Verbesserung der Lebensdauer**
All precision tools are Ni-coated for improvement of tool life

Cool Tool

Außenklemmhalter mit Innenkühlung External Toolholder with Through Coolant



-Special

SP114/2018-DE/GB

Cool Tool

Außenklemmhalter mit Innenkühlung
External Toolholder with Internal Coolant




- Die Düsen 1+2 wirken direkt auf den Span beim Plan- sowie Längsdrehen.
Maximale Kühlung durch Position der Düsen oberhalb der Schneidkante.
The injectors 1,2 are operating directly on the chip while face- and straight turning.
Due to the positioning of the injector above the cutting edge you get a maximum of cooling.
- Düse 2 ist in die Spanrinne integriert und sorgt wegen des außerordentlich flachen Einfallwinkels für besten Spanbruch und dessen Abtransport.
Injector 2 is included in the clamp and takes care for best chipbreaking and removal because of an extraordinary flat chip.
- Über Düse 4 gelangt die Kühlung von unten direkt an den Punkt der größten Wärmewirkung
- zwischen Schnellkontarradius und des Werkstück.
By the use of injector 4 the cooling gets directly to the centre of heat evolution
- between radius of cutting edge and workpiece.

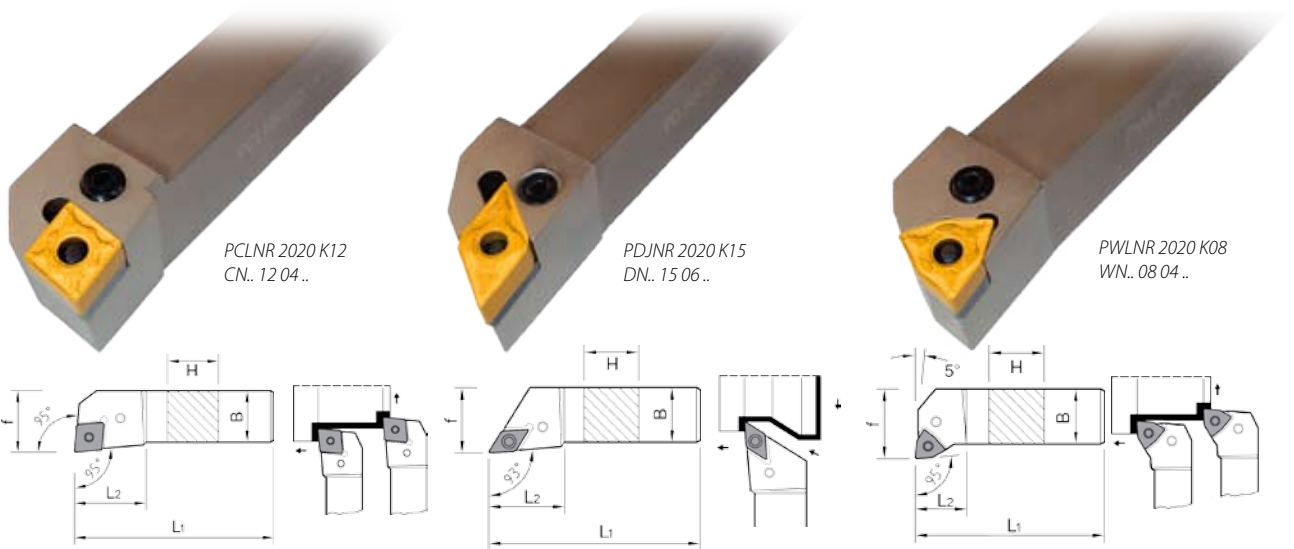
www.jd-tools.de

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SP114/2018-DE/GB

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| Bezeichnung Part Number | -MD | | | -S30 |
|----------------------------|------------------------------------|-------------------------------------|--|--|
| | TP 3020 (P10/P30C) Universal | TP 3035 (P35C) Stahl Steel | TU 3015 (P/K/H15C) Stahl Steel Guss Cast Iron | TM 5125 (M25C) Niro Stainless Steel |
| | | | | |
| | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
| CNMG 12 04 04 12 04 08 | 6,10 | 6,10 (6,10) | 6,10 (6,10) | 6,10 |
| DNMG 15 06 04 15 06 08 | (8,60) | 8,60 | 8,60 | 8,60 |
| WNMG 08 04 04 08 04 08 | 6,10 | 6,10 | - (6,10) | 6,10 |

PCLN- / PDJN- / PWLN-



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | Ersatzteile Spare Parts | | | | | EUR/Stück Piece |
|----------------------------|-------------------------|----|----------------|----------------|--------------|----------------------------|--------------------------|--------------------------|--------------------------|-----------------------------------|--------------------|
| | H | B | L ₁ | L ₂ | f | | | | | | |
| PCLNR/L 1616 H12 | 16 | 16 | 100 | 20 | 20 | 48.12.414 7,80 | 48.12.113 5,55 | 48.33.201 6,20 | 48.12.901 2,20 | 48.12.603 (SW3) 1,50 | 47,40 |
| 2020 K12 | 20 | 20 | 125 | 22 | 49,00 | | | | | | |
| 2525 M12 | 25 | 25 | 150 | 28 | 32 | | | | | | 60,65 |
| PDJNR/L 2020 K15 | 20 | 20 | 125 | 35 | 25 | 48.12.418 7,80 | 48.12.113 5,55 | 48.33.202 6,20 | 48.12.901 2,20 | 48.12.603 (SW3) 1,50 | 55,40 |
| 2525 M15 | 25 | 25 | 150 | 35 | 32 | | | | | | 60,65 |
| PWLN/L 2020 K08 | 20 | 20 | 125 | 26 | 25 | 48.12.414 7,80 | 48.12.113 5,55 | 48.12.233 7,70 | 48.12.901 2,20 | 48.12.603 (SW3) 1,50 | 49,00 |
| 2525 M08 | 25 | 25 | 150 | 26 | 32 | | | | | | 60,65 |

Preise dick gedruckt = JD - Lager Thick printing = JD - Stock
 Preise dünn gedruckt mit Klammern = begrenzte Lagerhaltung
 Thin printing with brackets = limited stock



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 Ask for our tech news no. 314 for „S30“ and 230 for „MD“-chipbreaker.

Außendrehen, positiv

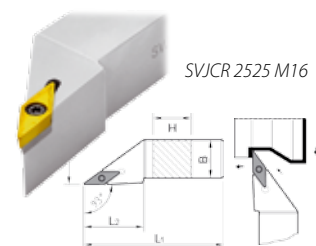
External Turning, positive

| Bezeichnung Part Number | -MD | | | -M30 | |
|----------------------------|------------------------------------|-------------------------------------|--|--|-------------------------------------|
| | TP 3020 (P10/P30C) Universal | TP 3035 (P35C) Stahl Steel | TU 3015 (P/K/H15C) Stahl Steel Guss Cast Iron | TM 5125 (M25C) Niro Stainless Steel | TP 3120 (P25C) Stahl Steel |
| | | | | | |
| | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
| CCMT 06 02 04 | 5,05 | (5,05) | (5,05) | 5,05 | 5,05 |
| 06 02 08 | | | | - | - |
| 09 T3 04 | (5,90) | (5,90) | (5,90) | 5,90 | 5,90 |
| 09 T3 08 | | | | | |
| 12 04 04 | 8,20 | (8,20) | (8,20) | 8,20 | 8,20 |
| 12 04 08 | | | | | |
| DCMT 07 02 04 | 6,30 | (6,30) | (6,30) | 6,30 | 6,30 |
| 11 T3 04 | 7,10 | (7,10) | (7,10) | 7,10 | 7,10 |
| 11 T3 08 | | | | - | - |
| VBMT 16 04 04 | - | - | - | 9,80 | 9,80 |
| 16 04 08 | - | - | - | | |
| VCMT 11 03 04 | 6,80 | (6,80) | (6,80) | - | - |
| 16 04 04 | 9,80 | (9,80) | (9,80) | 9,80 | 9,80 |
| 16 04 08 | | | | | |

SCLC-

SDJC-

SVJC-



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | Ersatzteile Spare Parts | | | | EUR/Stück Piece | | | |
|----------------------------|-------------------------|----|----------------|----------------|----|----------------------------|--------------|-------------|----------------------------|--------------------|-------------|-------------|--------------|
| | H | B | L ₁ | L ₂ | f | | | | | | | | |
| SCLCR/L 1616 H09 | 16 | 16 | 100 | 16 | 20 | 48.13.102 | 48.13.201 | 48.13.301 | 56.33.613 (T15) 4,00 | 57,90 | | | |
| 2020 K09 | 20 | 20 | 125 | 25 | 25 | 4,00 | 10,60 | 5,90 | | 64,30 | | | |
| 2020 K12 | 20 | 20 | 125 | 25 | 25 | 48.13.103 | 48.13.202 | 48.13.302 | | 64,30 | | | |
| 2525 M12 | 25 | 25 | 150 | 25 | 32 | 4,00 | 13,60 | 6,00 | | 66,70 | | | |
| SDJCR/L 1616 H11 | 16 | 16 | 100 | 24 | 20 | 48.13.102 | 48.13.203 | 48.13.301 | 56.33.613 (T15) 4,00 | 57,90 | | | |
| 2020 K11 | 20 | 20 | 125 | 24 | 25 | | | | | 4,00 | 8,55 | 5,90 | 64,30 |
| 2525 M11 | 25 | 25 | 150 | 29 | 32 | | | | | | | | 66,70 |
| SVJCR/L 1616 H11 | 16 | 16 | 100 | 25 | 20 | 48.24.107 | - | - | 56.33.612 (T08) 4,00 | 66,90 | | | |
| 2020 K11 | 20 | 20 | 125 | 32 | 25 | 4,00 | | | | 76,60 | | | |
| 2020 K16 | 20 | 20 | 125 | 29,5 | 25 | 48.13.102 | 48.13.209 | 48.13.301 | | 76,60 | | | |
| 2525 M16 | 25 | 25 | 150 | 32,5 | 32 | 4,00 | 8,75 | 5,90 | | 82,45 | | | |

Preise dick gedruckt = JD - Lager Thick printing = JD - Stock
 Preise dünn gedruckt mit Klammern = begrenzte Lagerhaltung
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VHM Bohrstangen mit Innenkühlung Carbide Boring Bars with Through Coolant

Lange Ausführung



**Set
E-SDUCR/L 07**
für / for DC... 07 02...

- mit Innenkühlung
with through coolant
- schwingungsarm
reduces vibrations
- mit dachförmiger Lötung
für höchste Stabilität
90° soldered for highest stability

WSP nicht im Lieferumfang
inserts not included







**Set
E-SCLCR/L 06**
für / for CC ... 06 02...

- mit Innenkühlung
with through coolant
- schwingungsarm
reduces vibrations
- mit dachförmiger Lötung
für höchste Stabilität
90° soldered for highest stability

WSP nicht im Lieferumfang
inserts not included

| Bezeichnung / Set <i>Part Number / Set</i> | bestehend aus: <i>consisting of</i> | EUR/Set |
|---|--|---------------|
| Set E-SCLCR/L 06 | 1X E08K SCLCR/L 06 1X E10M SCLCR/L 06 1X E12Q SCLCR/L 06 | 351,60 |
| Set E-SDUCR/L 07 | 1X E10M SDUCR/L 07 1X E12Q SDUCR/L 07 | 265,80 |

| Bezeichnung / Einzelwerkzeug <i>Part Number / Single tool</i> | Ges.-Länge (mm) <i>Total length (mm)</i> | Dmin (mm) | Ersatzteile <i>Spare Parts</i> | | | | EUR/Stück <i>Piece</i> |
|--|---|-----------|---|---|---|---|---------------------------|
| | | |  |  |  |  | |
| E08K SCLCR/L 06 | 125 | 11 | | | | 120,30 | |
| E10M SCLCR/L 06 | 150 | 14 | 48.24.107 4,00 | - | - | 56.33.612 (T08) 4,00 | 136,30 |
| E12Q SCLCR/L 06 | 180 | 17 | | | | | 180,95 |
| E16R SCLCR/L 09 | 200 | 21 | 48.24.108 4,00 | - | - | 56.33.613 (T15) 4,00 | 301,20 |
| E20S SCLCR/L 09 | 250 | 25 | | | | | 452,30 |
| E10M SDUCR/L 07 | 150 | 14 | 48.24.107 4,00 | - | - | 56.33.612 (T08) 4,00 | 136,30 |
| E12Q SDUCR/L 07 | 180 | 17 | | | | | 180,95 |
| E16R SDUCR/L 07 | 200 | 21 | | | | | 301,20 |
| E20S SDUCR/L 11 | 250 | 25 | 48.24.108 4,00 | - | - | 56.33.613 (T15) 4,00 | 452,30 |

Abgesetzte Stahlbohrstangen mit Innenkühlung

Steel Boring Bars with Through Coolant



Set A0812
SDUCR/L
A-Bohrstangen

für / for DC...07 02...
bestehend aus / consisting of

- 1x A 0810 H SDUCR/L 07
- 1x A 1012 K SDUCR/L 07
- 1x A 1216 M SDUCR/L 07

EUR/Set 155,-



Set A0612
SCLCR/L
A-Bohrstangen

für / for CC...06 02...
bestehend aus / consisting of

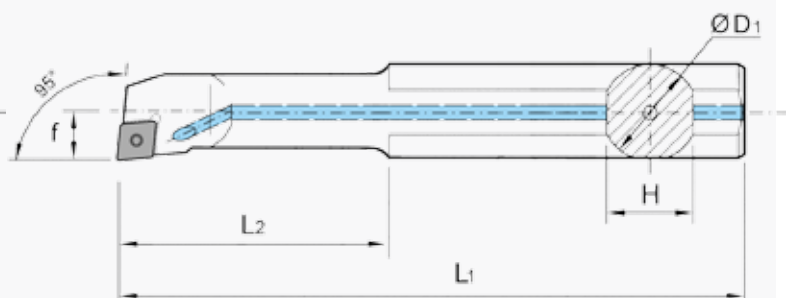
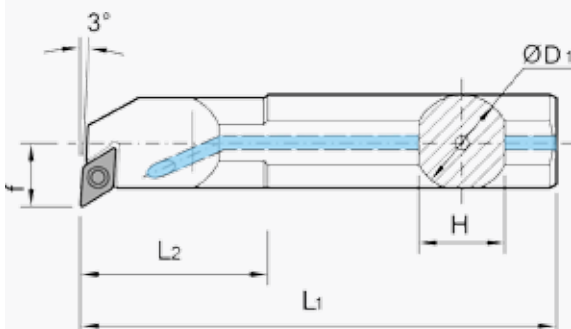
- 1x A 0608 H SCLCR/L 06
- 1x A 0810 J SCLCR/L 06
- 1x A 1012 K SCLCR/L 06
- 1x A 1216 M SCLCR/L 06

EUR/Set 145,-

| Bezeichnung / Einzelwerkzeug Part Number / Single tool | | | Maße [mm] Dimensions | | | | | Ersatzteile Spare Parts | | | | EUR / Stück Piece | |
|---|---------|----|-------------------------|----------------|----|----------------|----------------|----------------------------|--------------------------|---|---|-----------------------------------|--------------|
| | | | D _{min} | D ₁ | H | L ₁ | L ₂ | f | | | | | |
| A0608H | SCLCR/L | 06 | 8 | 8 | 7 | 100 | 25 | 4.50 | 48.24.107 4,00 | - | - | 56.33.612 (T08) 4,00 | 52,30 |
| A0810J | SCLCR/L | 06 | 11 | 10 | 9 | 110 | 32 | 6.00 | | | | | 52,30 |
| A1012K | SCLCR/L | 06 | 13 | 12 | 11 | 125 | 38 | 7.00 | | | | | 52,30 |
| A1216M | SCLCR/L | 06 | 16 | 16 | 15 | 150 | 50 | 9.00 | | | | | 54,60 |
| A0810H | SDUCR/L | 07 | 12.5 | 10 | 9 | 100 | 22 | 7.00 | 48.24.107 4,00 | - | - | 56.33.612 (T08) 4,00 | 52,30 |
| A1012K | SDUCR/L | 07 | 15.5 | 12 | 11 | 125 | 28 | 9.00 | | | | | 52,30 |
| A1216M | SDUCR/L | 07 | 19.5 | 16 | 15 | 150 | 36 | 11.00 | | | | | 54,60 |

- mit Innenkühlung
with through coolant
- D_{min} 8-16 mm
- Nickel - beschichtet
Ni - coated

- mit Innenkühlung
with through coolant
- D_{min} 12,5 - 19,5 mm
- Nickel - beschichtet
Ni - coated



CB- Bohrstan- gen Bars

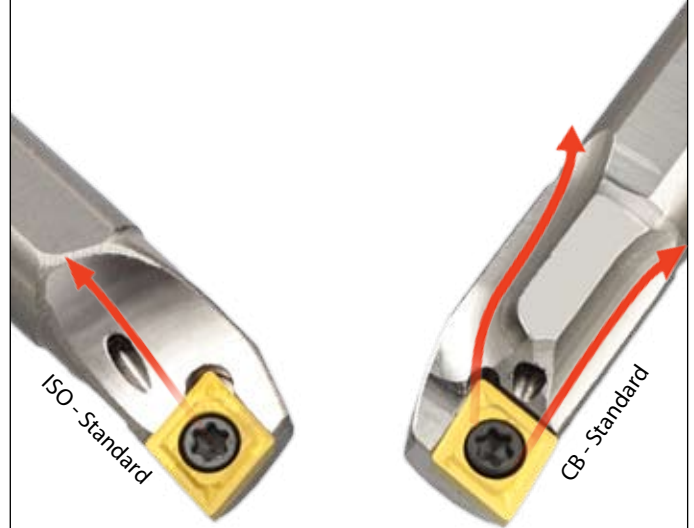
- Verbesserte Spanabfuhr durch zusätzliche Spankammern.
Improved chip evacuations by additional chip space channels.
- CB - Bohrstan- gen reduzieren Schwingungen und sorgen für perfekte Oberflächen.
CB - boring bars reduce vibrations and allow perfect surfaces.

SET A08K-A12M SCLCR 06 - CB
für / for CC.. 0602..

EUR/Set 201,-



CB - Bohrstan- gen
CB - Boring Bars



**Sie können den Unterschied sehen!
You can see the difference!**

| Bezeichnung / Set Part Number / Set | bestehend aus: consisting of | EUR/ Set |
|--|---|--------------|
| Set SCLCR/L 06 - CB | 1X A08K SCLCR/L 06 - CB 1X A10K SCLCR/L 06 - CB 1X A12M SCLCR/L 06 - CB | 201,- |
| Set SDUCR/L 07 - CB | 1X A10K SDUCR/L 07 - CB 1X A12M SDUCR/L 07 - CB | 147,- |

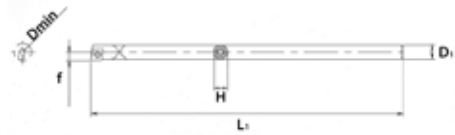
| Bezeichnung / Einzelwerkzeug Part Number / Single tool | Maße [mm] Dimensions | | | | | | | | | Ersatzteile Spare Parts | | | | EUR/ Stück Piece |
|---|-------------------------|----------------|----|----------------|----------------|----|----------------|----------------|--------------------------|----------------------------|---|-----------------------------------|--------------|---------------------|
| | D _{min} | D ₁ | H | L ₁ | L ₂ | f | L ₅ | L ₆ | | | | | | |
| A08K SCLCR/L 06 - CB | 10 | 8 | 7 | 125 | 16 | 5 | 20 | 17 | 48.24.107 4,00 | - | - | 56.33.612 (T08) 4,00 | 76,10 | |
| A10K SCLCR/L 06 - CB | 12 | 10 | 9 | 125 | 20 | 6 | 25 | 21 | | | | | 78,70 | |
| A12M SCLCR/L 06 - CB | 14 | 12 | 11 | 150 | 24 | 7 | 30 | 25 | | | | | 80,15 | |
| A10K SDUCR/L 07 - CB | 14 | 10 | 9 | 125 | 20 | 9 | | 20 | 48.24.107 4,00 | - | - | 56.33.612 (T08) 4,00 | 80,75 | |
| A12M SDUCR/L 07 - CB | 16 | 12 | 11 | 150 | 21 | 11 | | 24 | | | | | 82,90 | |



Microbore (ab from Dmin 5mm)

VHM - Bohrstangen

Carbide bars



| Bezeichnung Part Number | Wendeplatte Insert | Maße [mm] Dimensions | | | | | Ersatzteile Spare Parts | | EUR / Stück Piece |
|----------------------------|-----------------------|-------------------------|----|-----|-----|-----|----------------------------|-----------------------------------|----------------------|
| | | Dmin | D1 | H | L1 | f | | | |
| E04G SCLCR 0305 | CCET 0301 | 5 | 4 | 3.8 | 90 | 2.5 | 48.24.142 4,00 | 75.20.621 (T06) 4,00 | 137,10 |
| E05H SCLCR 0306 | | 6 | 5 | 4.4 | 100 | 3.0 | | | |

Wendeplatten

Inserts

| Bezeichnung Part Number | TM 5130 (M30C) Niro Stainless Steel |
|----------------------------|--|
| | |
| | EUR / Stück Piece |
| CCET 03 01 02 L | 12,25 |

Schafthülsen

Sleeves for Shanks










| Bezeichnung Part Number | Maße Dimensions [mm] | | | | Ersatzteile Spare Parts | | EUR / Stück Piece |
|----------------------------|-------------------------|-----|----|-----|----------------------------|-----------------------------------|----------------------|
| | ØD | Ød1 | H | L1 | | | |
| SH 0416 | 16 | 4 | 14 | 100 | 32.35.101 4,40 | 48.12.605 (SW2) 1,30 | 50,60 |
| SH 0516 | | 5 | | | | | |



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ALU - Wendeplatten zum Drehen - positiv

ALU - Inserts for Turning - positive


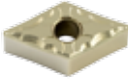

| Wendeplatten Inserts | Sorte Grade | TK 1210 (K10) | TK 5310 (K10C) Saphitec | TK 5710 (K10C) Goldtec | TP 5245 (P45C) |
|--|----------------------------|--------------------|--------------------------------------|--|-------------------------|
| | Anwendung Application | Aluminium | HRSA GFK CFK | Sonder- legierungen Special Alloys | Niro Stainless Steel |
| | Bezeichnung Part Number | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
|  TP 5245 | CCGT 06 02 02 -ALX | 5,80 | 9,30 | 7,60 | 7,60 |
| | 06 02 04 -ALX | | | | |
| | 09 T3 02 -ALX | | | 8,90 | 8,90 |
| | 09 T3 04 -ALX | 6,30 | 11,00 | | |
| | 09 T3 08 -ALX | | | (8,90) | (8,90) |
| | 12 04 02 -ALX | | (12,35) | (9,95) | (9,95) |
| | 12 04 04 -ALX | 6,75 | 12,35 | 9,95 | 9,95 |
| | 12 04 08 -ALX | | | (9,95) | |
|  TK 5710 | DCGT 07 02 02 -ALX | 5,80 | 9,40 | (7,60) | (7,60) |
| | 07 02 04 -ALX | | | 7,60 | 7,60 |
| | 11 T3 02 -ALX | | | | |
| | 11 T3 04 -ALX | 6,30 | 11,00 | 8,90 | 8,90 |
| | 11 T3 08 -ALX | | | | |
|  TK 1210 | RCGT 10 03 MO -ALX | 7,40 | (11,10) | (9,50) | (9,50) |
| | 12 04 MO -ALX | 8,10 | (13,30) | (10,90) | (10,90) |
|  TK 5710 | SCGT 09 T3 04 -ALX | 6,30 | 11,00 | (8,90) | (8,90) |
| | 09 T3 08 -ALX | | (11,00) | | |
| | 12 04 04 -ALX | 6,75 | 13,30 | 10,80 | (10,80) |
| | 12 04 08 -ALX | | (13,30) | (10,80) | |
|  TK 5310 | TCGT 11 02 02 -ALX | | | | |
| | 11 02 04 -ALX | 6,00 | (7,70) | (7,05) | (7,05) |
| | 11 02 08 -ALX | | | | |
| | 16 T3 04 -ALX | | | | |
| | 16 T3 08 -ALX | 7,00 | (11,00) | (8,90) | (8,90) |
|  TK 1210 | VBGT 16 04 04 -ALX | 8,30 | (13,70) | (10,65) | (10,65) |
| | 16 04 08 -ALX | | | | |
|  TP 5245 | VCGT 11 03 02 -ALX | | 11,60 | 9,40 | 9,40 |
| | 11 03 04 -ALX | 7,35 | | | |
| | 11 03 08 -ALX | | (11,60) | (9,40) | (9,40) |
| | 13 03 02 -ALX | | 12,60 | | |
| | 13 03 04 -ALX | 7,80 | (12,60) | (10,00) | (10,00) |
| | 16 04 02 -ALX | | (13,70) | (10,65) | (10,365) |
| | 16 04 04 -ALX | 8,30 | 13,70 | 10,65 | 10,65 |
| | 16 04 08 -ALX | | | | |
| | 16 04 12 -ALX | | (13,70) | (10,65) | (10,65) |
| | 22 05 30 -ALX | 12,65 | (22,90) | (21,00) | (21,00) |

Preise dick gedruckt = JD - Lager
Thick printing = JD - Stock

Preise dünn gedruckt mit Klammern = begrenzte Lagerhaltung
Thin printing with brackets = limited stock

ALU - Wendeplatten zum Drehen - negativ

ALU - Inserts for Turning - negative

| Wendeplatten Inserts | Sorte Grade | TK 1210 (K10) | TK 5710 (K10C) Goldtec | TM 5130 (M30C) |
|--|----------------------------|--------------------|--|-------------------------|
| | Anwendung Application | Aluminium | Sonder- legierungen Special Alloys | Niro Stainless Steel |
| | Bezeichnung Part Number | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
|  TK 1210 | CNGG 12 04 04 -A20 | 6,00 | 8,35 | 8,35 |
| | 12 04 08 -A20 | | | |
|  TK 5710 | DNGG 15 06 04 -A20 | 7,45 | 9,00 | 9,00 |
| | 15 06 08 -A20 | | | |
|  TM 5130 | WNGG 08 04 04 -A20 | 6,30 | 8,70 | 8,70 |
| | 08 04 08 -A20 | | | |

ALU - Wendeplatten zum Fräsen

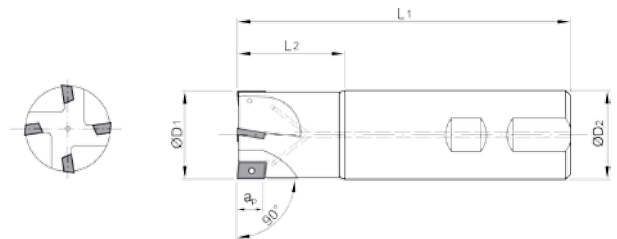
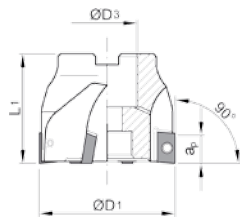
ALU - Inserts for Milling

| Wendeplatten Inserts | Sorte Grade | MK 1210 (K10) |
|---|----------------------------|--------------------|
| | Anwendung Application | Aluminium |
| | Bezeichnung Part Number | EUR/Stück Piece |
|  | APEX 10 03 04 FR -ALX | 8,80 |
|  | APKT 16 04 02 PDFR -A12 | 7,20 |
| | 16 04 04 PDFR -A12 | 7,20 |
|  | APXT 11 T3 PDFR -AL | 8,10 |
|  | SDHT 12 04 AEFN -AL | 7,70 |
|  | SEHT 12 04 AFFN -AL | 6,75 |
|  | SEKT 12 T3 AEFN -AL | 8,00 |



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Ask for our tech news no. 304 about ALX/A20-chipbreaker.

Single Mill für for APXT/APMT 11T3

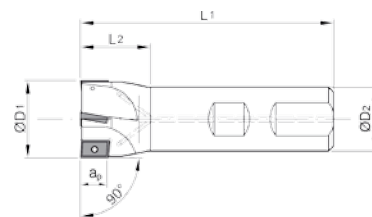


| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | | Ersatzteile Spare Parts | | EUR/Stück Piece |
|----------------------------|-------------------------|-----------------|----------------|----------------|---|----------------|----------------------------|--|--------------------------|
| | ØD ₁ | ØD ₃ | L ₁ | L ₂ | | a _p | | | |
| S 1111. 020.R03 IK | 20 | 20 | 100 | 30 | 3 | 9,5 | | | 81,60 |
| 025.R04 IK | 25 | 25 | 115 | 35 | 4 | | | | 93,05 |
| S 2111. 040.R05 IK | 40 | 16 | 40 | | 5 | | | | 56.44.144 4,00 |
| 050.R06 IK | 50 | 22 | 40 | | 6 | | | | 98,90 |
| 063.R08 IK | 63 | 22 | 40 | | 8 | | | | 123,40 |

| Bezeichnung Part Number | MK 1210 (K10) Aluminium | MK 2015 (K15C) Guss Cast Iron | MM 6040 (P/M40C) Niro Stainless Steel | MP 6025 (P25C) Stahl Steel Niro Stainless Steel | MP 6125 (P25C) Stahl Steel Niro Stainless Steel |
|----------------------------|-------------------------------|--|--|--|--|
| | | | | | |
| | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
| APMT 11 T3 PDSR - M20 | | 9,85 | 8,70 | 8,70 | 9,00 |
| APXT 11 T3 PDFR - AL | 8,10 | | | | |

Schaftfräser

Endmill



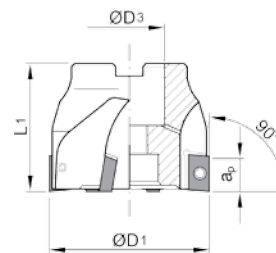
mit Innenkühlung
with through coolant

S 1116.020.R 03 IK

| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | Ersatzteile Spare parts | | EUR / Stück Piece |
|----------------------------|-------------------------|-----------------|----------------|----------------|---|----------------------------|-----------------------------------|----------------------|
| | ØD ₁ | ØD ₂ | L ₁ | L ₂ | | Schraube Screw | Schlüssel Key | |
| S 1116. 016.R02 IK | 16 | 16 | 85 | 26 | 2 | 48.24.107 4,00 | 56.33.612 (T08) 4,00 | 79,20 |
| S 1116. 020.R03 IK | 20 | 20 | 90 | 26 | 3 | | | 97,70 |
| S 1116. 025.R04 IK | 25 | 25 | 95 | 26 | 4 | | | 115,15 |

Eckfräser

Shoulder Miller



mit Innenkühlung
with through coolant

S 2116.063.R 08 IK

| Bezeichnung Part Number | Maße [mm] Dimensions | | | | Ersatzteile Spare parts | | EUR / Stück Piece |
|----------------------------|-------------------------|-----------------|----------------|----|----------------------------|-----------------------------------|----------------------|
| | ØD ₁ | ØD ₃ | L ₁ | | Schraube Screw | Schlüssel Key | |
| S 2116. 040.R06 IK | 40 | 16 | 40 | 6 | 48.24.107 4,00 | 56.33.612 (T08) 4,00 | 141,90 |
| S 2116. 050.R07 IK | 50 | 22 | 40 | 7 | | | 170,65 |
| S 2116. 063.R08 IK | 63 | 22 | 40 | 8 | | | 204,60 |
| S 2116. 080.R11 IK | 80 | 27 | 50 | 11 | | | 334,10 |

Wendeschneidplatten

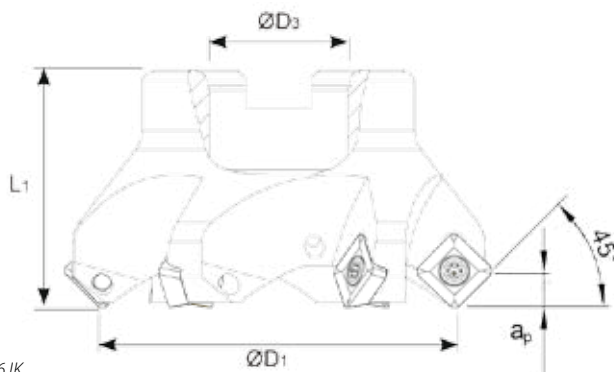
Inserts

| Bezeichnung Part Number | MM 5130+ (M30C) Niro Stainless Steel | MU5130+ (P30C) Universal | MU5230+ (P/M30C) Universal | MK 1210 (K10) Aluminium |
|----------------------------|---|--------------------------------|----------------------------------|-------------------------------|
| | | | | |
| | EUR / Stück Piece | EUR / Stück Piece | EUR / Stück Piece | EUR / Stück Piece |
| APKT 10 03 PDR - M22 | 6,20 | | 6,20 | |
| APEX 10 03 04 FR - ALX | | | | 8,80 |
| APKT 10 03 PDTR | | | 6,20 | |
| APKT 10 03 PDR-1 | | 6,20 | | |



mit Innenkühlung
with through coolant

S 2242.080.R 06 IK



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | EUR/ Stück Piece |
|----------------------------|-------------------------|-----------------|----------------|---|----------------|------------------------|
| | ØD ₁ | ØD ₃ | L ₁ | | a _p | |
| S 2242. 063.R05 IK | 63 | 22 | 45 | 5 | | 203,05 |
| S 2242. 080.R06 IK | 80 | 27 | 52 | 6 | 6 | 243,10 |
| S 2242. 100.R07 IK | 100 | 32 | 60 | 7 | | 286,80 |

Ersatzteile Spare Parts

| | |
|--------------------------|-----------------------------------|
| | |
| 56.44.108 4,00 | 56.33.613 (T15) 4,00 |

Wendeschneidplatten Inserts

| Bezeichnung Part Number | MK1210 (K10) Aluminium | MP2135 (P35C) Stahl Steel | MU5130+ (P30C) Universal | MU5230+ (P/M30C) Universal |
|----------------------------|--------------------------------|---------------------------------|--------------------------------|----------------------------------|
| | | | | |
| | EUR / Stück Piece | EUR / Stück Piece | EUR / Stück Piece | EUR / Stück Piece |
| SDHT 12 04 AE FN - AL | 7,70 | | | |
| SDHT 12 04 AESN | | 9,05 | 11,20 | |
| SDKT 12 04 AETN | | | | 8,20 |

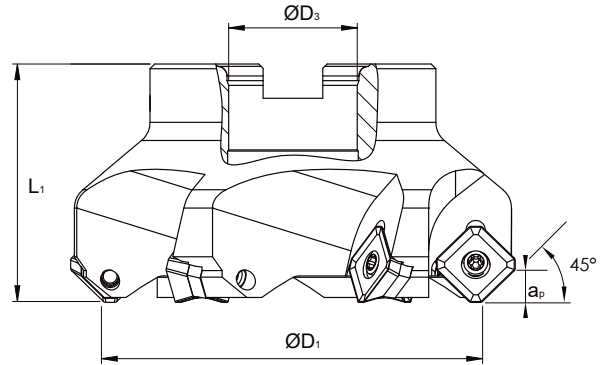
neu!
new!



mit Innenkühlung
with through coolant

S 2247.063.R 05 IK

PM4 Posi Mill



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | EUR / Stück Piece |
|----------------------------|-------------------------|-----------------|----------------|---|----------------|----------------------|
| | ØD ₁ | ØD ₃ | L ₁ | | a _p | |
| S 2247.050.R04 IK | 50 | 22 | 40 | 4 | 6 | 172,20 |
| 063.R05 IK | 63 | 22 | 40 | 5 | | 203,05 |
| 080.R06 IK | 80 | 27 | 50 | 6 | | 243,10 |
| 100.R07 IK | 100 | 32 | 50 | 7 | | 286,80 |

Ersatzteile Spare Parts

| | | | | |
|--------------------------|--------------------------|--------------------------|-----------------------------------|-------------------------------------|
| | | | | |
| 56.44.143 4,30 | 56.44.239 9,50 | 56.44.173 5,10 | 56.33.613 (T15) 4,00 | 48.13.608 (SW3.5) 2,40 |

Wendeschneidplatten Inserts

| Bezeichnung Part Number | MK 1210 (K10) Aluminium | MM 5125 (M25C) Niro Stainless Steel | MU 5230+ (P/M30C) Universal |
|----------------------------|-------------------------------|--|-----------------------------------|
| | | | |
| | EUR / Stück Piece | EUR / Stück Piece | EUR / Stück Piece |
| SEET 12 T3 - M30 | | 8,35 | |
| SEKT 12 T3 AGSN | | | 8,10 |
| SEKT 12 T3 AEFN -AL | 8,00 | | |



Fordern Sie unsere Tech News Nr. 326 für Hochleistungs- Planfräser an.
Ask for our tech news no. 326 about High Performance Face Miller.

Double Mill DM6-XN

Der Hochleistungs - Eckfräser

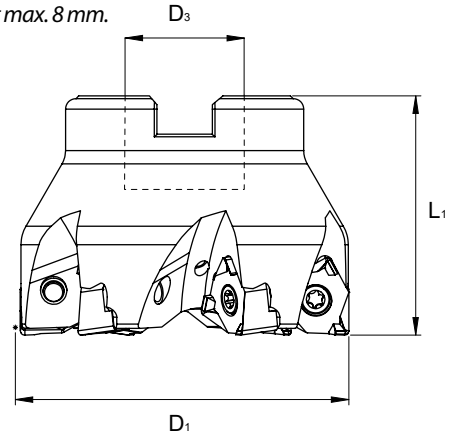
The High Performance Shoulder Miller

- Multifunktionales Fräswerkzeugsystem zum Eck-, Plan-, Besäum- und Nutfräsen.
Multifunctional milling system for shouldering, slotting and facing.
- Besonders wirtschaftlicher Einsatz durch 6 Schneidkanten.
Schnitttiefe max. 8 mm.
Economical machining using innovative 6 cutting edge double sided inserts, depth of cut max. 8 mm.



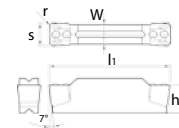
mit Innenkühlung
with through coolant

S 2140.080.R07 IK



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | Ersatzteile Spare Parts | | EUR/Stück Piece |
|----------------------------|-------------------------|-----------------|----------------|---|----------------|----------------------------|-----------------------------------|--------------------|
| | ØD ₁ | ØD ₃ | L ₁ | | a _p | | | |
| S 2140.050.R04 IK | 50 | 22 | 45 | 4 | | | | 173,75 |
| 063.R06 IK | 63 | 22 | 45 | 6 | 7,5 | 56.44.104 4,85 | 56.33.613 (T15) 4,00 | 204,10 |
| 080.R07 IK | 80 | 27 | 50 | 7 | | | | 235,40 |

DM6- XN-Wendeschneidplatten DM6 - XN-Inserts



| Bezeichnung Part Number | MK 1210 (K10) Aluminium | MK 2015 (K15C) Guss Cast Iron | MM 5140 (M40C) Niro Stainless Steel | MP 2130 (P30C) Stahl Steel | MU 5230+ (P/M30C) Universal |
|----------------------------|-------------------------------|--|--|----------------------------------|-----------------------------------|
| | | | | | |
| | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
| XNEX 08 06 08 - M22 | | | 14,10 | | (14,10) |
| XNEX 08 06 08 - S22 | | (14,10) | | 14,10 | |
| XNEX 08 06 08 - ALX | 12,55 | | | | |

Preise dick gedruckt = JD - Lager
Thick printing = JD - Stock

Preise dünn gedruckt mit Klammern = begrenzte Lagerhaltung
Thin printing with brackets = limited stock



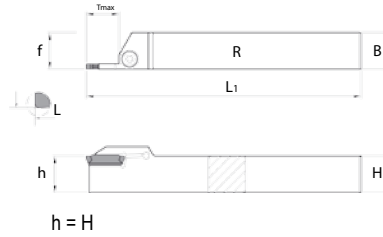
Fordern Sie unsere Tech News Nr. 316 für DM6 XN an.
Ask for our tech news no. 316 about DM6 XN.

G.T.S.-System

Klemmhalter Toolholder



R260.2020.03-D



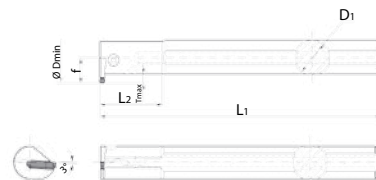
Fordern Sie unsere Tech News Nr. 300 für G.T.S. an.
Ask for our tech news no. 300 about G.T.S.

| Bezeichnung Part Number | Maße [mm] Dimensions | | | | Ersatzteile Spare Parts | | EUR/Stück Piece |
|----------------------------|-------------------------|----------------|------|------------------|----------------------------|-----------------------------------|--------------------|
| | H=B | L ₁ | f | T _{max} | | | |
| R/L 260.2020. 02 - D | 20 | 125 | 20.3 | 14.5 | 32.15.115 3,80 | 48.12.606 (SW4) 1,30 | 93,65 |
| R/L 260.2525. 02 - D | 25 | 150 | 25.4 | 14.5 | | | 102,20 |
| R/L 260.2020. 03 - D | 20 | 125 | 20.4 | 18.0 | 32.15.114 3,80 | 48.11.602 (SW5) 1,70 | 93,65 |
| R/L 260.2525. 03 - D | 25 | 150 | 25.4 | 18.0 | | | 102,20 |
| R/L 260.2020. 04 - D | 20 | 125 | 20.4 | 18.0 | | | 93,65 |
| R/L 260.2525. 04 - D | 25 | 150 | 25.4 | 18.0 | | | 102,20 |

Bohrstange Boring Bar



R270.0020.03-D



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | | Ersatzteile Spare Parts | | EUR/Stück Piece |
|----------------------------|-------------------------|----------------|----------------|----------------|------|------------------|----------------------------|-----------------------------------|--------------------|
| | D _{min} | D ₁ | L ₁ | L ₂ | f | T _{max} | | | |
| R/L 270.0020. 02 - D | 25 | 20 | 150 | 45 | 14.0 | 5 | 32.15.115 3,80 | 48.12.606 (SW4) 1,30 | 113,35 |
| R/L 270.0020. 03 - D | 25 | 20 | 150 | 45 | 15.6 | 6 | | | 113,35 |
| R/L 270.0025. 03 - D | 31 | 25 | 200 | 45 | 18.9 | 6 | | | 140,40 |
| R/L 270.0020. 04 - D | 25 | 20 | 150 | 45 | 15.6 | 6 | | | 113,35 |
| R/L 270.0025. 04 - D | 31 | 25 | 200 | 45 | 18.9 | 6 | | | 140,40 |

Stecheinsätze Grooving Inserts

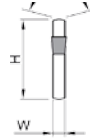
| Bezeichnung Part Number | GK 1110 (K10) Aluminium | GP 2120 (P20/K15C) Stahl Steel | GM 5130 (M20/K30C) Niro Stainless Steel |
|----------------------------|----------------------------|--------------------------------------|---|
| | | | |
| | EUR/Stück Piece | EUR/Stück Piece | EUR/Stück Piece |
| 216.0200. 51 - DG | 10,00 | | |
| 216.0200. 30 - DP | | 10,80 | |
| 216.0200. 30 - DG | | | 11,50 |
| 222.0300. 51 - DG | 10,00 | | |
| 222.0300. 50 - DP | | 10,80 | |
| 222.0300. 50 - DG | | | 11,50 |
| 222.0400. 51 - DG | 10,80 | | |
| 222.0400. 50 - DP | | 11,60 | |
| 222.0400. 50 - DG | | | 12,30 |

Stechschwert *Blade*

neu!
new!

➤ ab sofort auch mit Innenkühlung
also with Internal Coolant

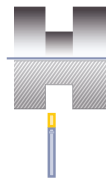
- **austauschbar mit GTN**
interchangeable with GTN
- System seit Jahren bewährt
proven over many years
- mit Stoppanschlag ("S")
with stop ("S")



Fordern Sie unsere Tech News Nr. 321 für Abstechen an.
Ask for our tech news no. 321 about Parting - off.

| Bezeichnung <i>Part Number</i> | Maße <i>Dimensions [mm]</i> | | | | Stecheinsatz <i>Insert</i> | Auswerfer <i>Ejector</i> | EUR/ Stück <i>Piece</i> |
|-----------------------------------|-----------------------------|-----|----------------|------------------|-------------------------------|-----------------------------|-------------------------------|
| | H ₃ | W | L ₁ | D _{max} | | | |
| LGIH 26 - 3 S | 26 | 2.4 | 110 | 75 | LGT... - 3 | 32.30.602 5,10 | 43,65 |
| LGIH 26 - 3 S - IK | 26 | 2.4 | 110 | 80 | LGT... - 3 | | 126,45 |
| LGIH 26 - 4 S | 26 | 3.2 | 110 | 80 | LGT... - 4 | | 43,65 |
| LGIH 32 - 3 S | 32 | 2.4 | 150 | 100 | LGT... - 3 | | 46,90 |
| LGIH 32 - 3 S - IK | 32 | 2.4 | 150 | 100 | LGT... - 3 | | 130,05 |
| LGIH 32 - 4 S | 32 | 3.2 | 150 | 100 | LGT... - 4 | | 46,90 |

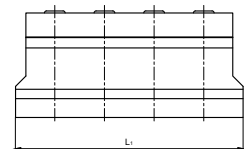
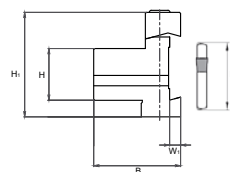
Abstecheinsätze *Inserts*



| Bezeichnung <i>Part Number</i> | GP 2235 (P35C) Stahl, Niro, Guss, <i>Steel, Stainless Steel, Cast Iron</i> |
|-----------------------------------|--|
| | |
| | EUR/ Stück <i>Piece</i> |
| LGTN - 3 | 6,50 |
| LGTN - 4 | 7,00 |

SMBB teilbarer Spannblock *separable Block*

neu!
new!



| Bezeichnung <i>Part Number</i> | H | H ₃ | L ₁ | H ₁ | B | W ₁ | Inbus Key | EUR/ Stück <i>Piece</i> |
|-----------------------------------|----|----------------|----------------|----------------|----|----------------|-----------------------------------|-------------------------------|
| SMBB 1626 | 16 | 26 | 86 | 44.5 | 32 | 5.3 | 48.11.602 (SW5) 1,70 | 93,65 |
| SMBB 2026 | 20 | 26 | 86 | 44.5 | 38 | 5.3 | | |
| SMBB 2532 | 25 | 32 | 110 | 50.5 | 42 | 5.3 | | |

Gewindedrehen Threading

- Wendeschneidplatten präzisionsgeschliffen
Inserts precision ground
- Sorte TP 5130 (PVD-beschichtet, Multilayer)
Grade TP 5130 (PVD-coated, Multilayer)
- Sorte TU 5330 (PVD-beschichtet, TiAlN)
Grade TU 5330 (PVD-coated, TiAlN)
- Zusätzlich ab Lager add. ex stock:**
- Vollprofilplatten RD,TR, ACME, NPT
Full profile RD,TR, ACME, NPT
- Halter auch in linker Ausführung ab Lager lieferbar
Toolholders also in left version ex stock



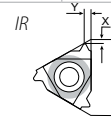
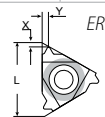
**mit Innenkühlung
with through coolant**



**Fordern Sie unsere Tech News Nr. 301 für Gewinde an.
Ask for our tech news no. 301 about threading.**

| Bezeichnung Part Number | Maße Dimensions [mm] | | | | Ersatzteile Spare Parts | | | | EUR/Stück Piece |
|----------------------------|----------------------|----|----------------|----------------|----------------------------|-------------------|----------------------------|-------------------|--------------------|
| | H ₁ =H=B | D | L ₁ | L ₂ | | | | | |
| AL 16 - 3 | 16 | 16 | 100 | 22 | 75.10.201 +1,5° 8,75 | 75.20.120 4,00 | 75.20.618 (T08) 4,00 | 75.20.130 4,00 | 60,60 |
| AL 20 - 3 | 20 | 20 | 125 | 30 | | | | | 62,80 |
| AL 25 - 3 | 25 | 25 | 150 | 30 | | | | | 63,85 |

| Bezeichnung Part Number | Maße Dimensions [mm] | | | | | Ersatzteile Spare Parts | | | | EUR/Stück Piece |
|----------------------------|----------------------|-----|----------------|------|------------------|----------------------------|-------------------|----------------------------|-------------------|--------------------|
| | D ₁ | L | L ₁ | f | D _{min} | | | | | |
| NVR 16 - 3 IK | 20 | 180 | 40 | 11.5 | 20 | - | 75.20.119 4,00 | 75.20.618 (T08) 4,00 | - | 88,30 |
| AVR 20 - 3 IK | 20 | 180 | 40 | 13.4 | 24 | 75.20.201 +1,5° 8,75 | 75.20.120 4,00 | 75.20.130 4,00 | 75.20.130 4,00 | 92,30 |



| Bezeichnung Part Number | Sorte Grade Anwendung/Appl. | Steigung Pitch | Maße Dimensions [mm] | | | | TP 5130 EUR/Stück Piece | TU 5330 EUR/Stück Piece |
|---------------------------------------|--|-------------------|----------------------|------------|------------|-----|-------------------------------|-------------------------------|
| | | | L | ER : X / Y | IR : X / Y | | | |
| ISO | TP 5130 Stahl Steel Niro Stainless Steel | 0.5 | 16 | 0.6 | 0.6 | 0.6 | 8,80 | 8,95 |
| | | 0.7 | | 0.6 | 0.6 | 0.6 | | |
| | | 0.75 | | 0.6 | 0.6 | 0.6 | | |
| | | 0.8 | | 0.6 | 0.6 | 0.6 | | |
| | | 1.0 | | 0.7 | 0.7 | 0.6 | | |
| | | 1.25 | | 0.8 | 0.9 | 0.8 | | |
| | | 1.5 | | 0.8 | 1.0 | 0.8 | | |
| | | 1.75 | | 0.9 | 1.2 | 0.9 | | |
| | | 2.0 | | 1.0 | 1.3 | 1.0 | | |
| | | 2.5 | | 1.1 | 1.5 | 1.1 | | |
| | | 3.0 | | 1.2 | 1.6 | 1.1 | | |
| | | 3.5 | | 1.2 | 1.7 | 1.2 | | |
| BSW | TU 5330 Universal | 19 | | 0.8 | 1.0 | 0.8 | | |
| | | 14 | | 1.0 | 1.2 | 1.0 | | |
| | | 11 | | 1.1 | 1.5 | 1.1 | | |
| Teil- profil Partial profile | | 0.5 - 1.5 | | 0.8 | 0.9 | 0.8 | | |
| | | 1.75 - 3.0 | | 1.2 | 1.7 | 1.2 | | |
| | | 0.5 - 3.0 | | 1.2 | 1.7 | 1.2 | | |
| | | 48 - 16 | | 0.8 | 0.9 | 0.8 | | |
| | | 14 - 8 | | 1.2 | 1.7 | 1.2 | | |
| | | 48 - 8 | | 1.2 | 1.7 | 1.2 | | |

Set Gewindedrehen *Threading*

16ER-V-ISO 1.0-2.0/TU 5330
oder *or*
16IR-V-ISO 1.0-2.0/TU 5330



SET - Preis
EUR 92,50

bestehend aus:
consisting of:
je 2 Gewindeplatten der Steigungen
each 2 threading inserts in pitches
1.0, 1.25, 1.5, 1.75, 2.0 mm

Set Präzisions - Einstechen *Grooving*

16ER 1.10-2.15/TU 5330
oder *or*
16IR 1.10-2.15/TU 5330



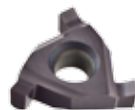
SET - Preis
EUR 143,40

bestehend aus:
consisting of:
je 2 Stechplatten in den Breiten
each 2 grooving inserts in size
1.10, 1.30, 1.60, 1.85, 2.15 mm

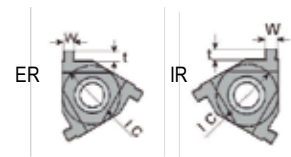
Präzisions - Einstechen *Grooving*



ER / TU 5330



IR / TU 5330



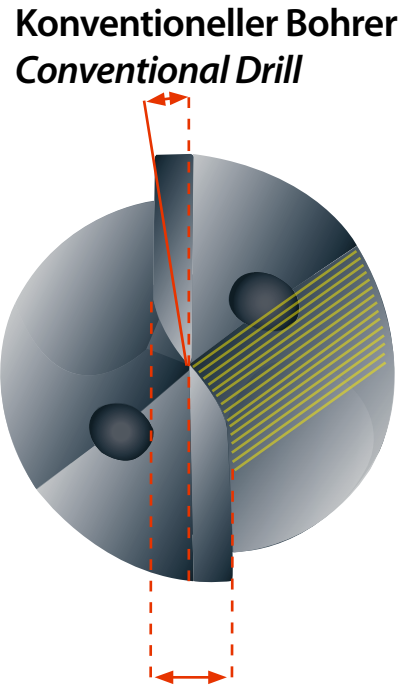
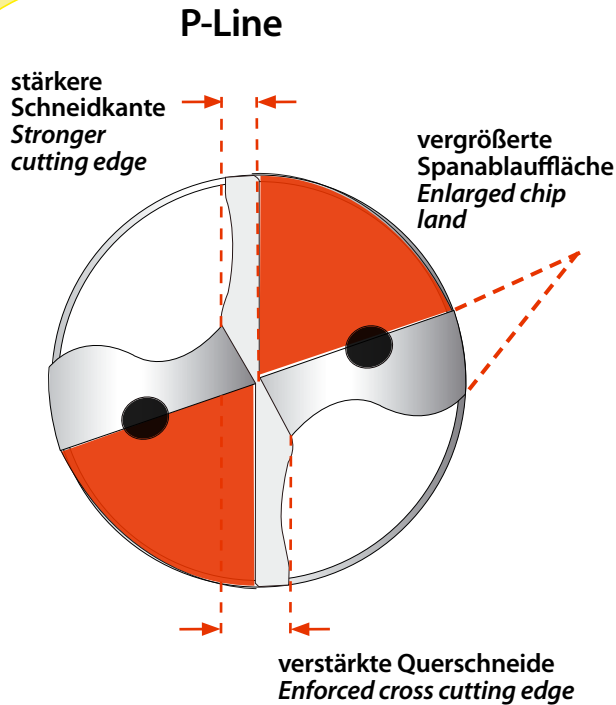
| Bezeichnung <i>Part Number</i> | Lager Stock | Bezeichnung <i>Part Number</i> | Lager Stock | IC | L | W ±0.03 | t ±0.10 | EUR / Stück <i>Piece</i> |
|-----------------------------------|----------------|-----------------------------------|----------------|-----------------|----|------------|------------|------------------------------------|
| Rechte WSP <i>RH Inserts</i> | TU 5330 | Linke WSP <i>LH Inserts</i> | TU 5330 | mm | mm | mm | mm | |
| 60° außen / external | | 60° außen / external | | | | | | |
| 16 ER - 1.10 -T 1.30 | ● | 16 EL - 1.10 -T 1.30 | ○ | | | 1.10 | 1.30 | |
| 16 ER - 1.30 -T 1.50 | ● | 16 EL - 1.30 -T 1.50 | ○ | 9.525 (3/8") | 16 | 1.30 | 1.50 | |
| 16 ER - 1.60 -T 1.85 | ● | 16 EL - 1.60 -T 1.85 | ○ | | | 1.60 | 1.85 | 15,95 |
| 16 ER - 1.85 -T 2.00 | ● | 16 EL - 1.85 -T 2.00 | ○ | | | 1.85 | 2.00 | |
| 16 ER - 2.15 -T 2.50 | ● | 16 EL - 2.15 -T 2.50 | ○ | | | 2.15 | 2.25 | |
| 60° innen / internal | | 60° innen / internal | | | | | | |
| 16 IR - 1.10 -T 1.30 | ● | 16 IL - 1.10 -T 1.30 | ○ | | | 1.10 | 1.30 | |
| 16 IR - 1.30 -T 1.50 | ● | 16 IL - 1.30 -T 1.50 | ○ | 9.525 (3/8") | 16 | 1.30 | 1.50 | |
| 16 IR - 1.60 -T 1.85 | ● | 16 IL - 1.60 -T 1.85 | ○ | | | 1.60 | 1.85 | 15,95 |
| 16 IR - 1.85 -T 2.00 | ● | 16 IL - 1.85 -T 2.00 | ○ | | | 1.85 | 2.00 | |
| 16 IR - 2.15 -T 2.50 | ● | 16 IL - 2.15 -T 2.50 | ○ | | | 2.15 | 2.25 | |

● JD-Lager / *JD-Stock*

○ begrenzte Lagerhaltung / *limited stock*

Power Drills

neu!
new!



5xD Bohrer
Drills

5 x D



DIN 6535
HA

DIN
6537

DP
6030

IK
IC



| Bezeichnung Part Number | Durchmesser Diameter | Sorte Grade | EUR/ ^{Stück} / _{Piece} |
|--|-------------------------|-------------------|--|
| P05 Ø 3,0 | - 6,0 mm | DP 6030 AlCrNa | 26,20 |
| P05 Ø 6,1 | - 8,0 mm | | 38,00 |
| P05 Ø 8,1 | - 10,0 mm | | 54,40 |
| P05 Ø 10,1 | - 12,0 mm | | 77,90 |
| P05 Ø 12,5/12,8/13,0/13,5/ 13,8/14,0 mm | | | 107,00 |
| P05 Ø 14,5/14,8/15,0 mm | | | 140,60 |

Bestellbeispiel: P05 0300 IK DP 6030 (Ø 3,0)



Fordern Sie unsere Tech News Nr. 325 für Power Drills an.
Ask for our tech news no. 325 about Power Drills.

MFD 2,25xD

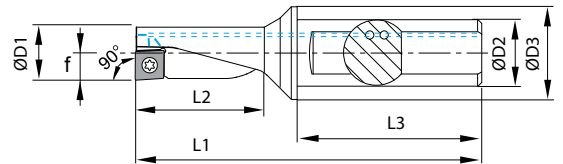


MFD

XCMT 10 T3 04 EN DP2320



XCMT



new!

new!

new!

| Bezeichnung Part Number | EUR / Stück Piece | Maße [mm] Dimensions | | | | | | | Wendepatte Insert | Ersatzteile Spare Parts | |
|----------------------------|----------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|----|----------------------|-------------------------|-----------------------------|
| | | D ₁ | D ₂ | D ₃ | L ₁ | L ₂ | L ₃ | f | | | |
| MFD 10 R2.25 D05 | 134,50 | 10 | 12 | 16 | 69.5 | 22.5 | 42 | 5 | XC..05 | 83.30.146 5,80 | 75.20.621 (T06) 4,00 |
| MFD 10 L2.25 D05 | | 10 | 12 | 16 | 69.5 | 22.5 | 42 | 5 | XC..05 | 83.30.146 5,80 | 75.20.621 (T06) 4,00 |
| MFD 12 R2.25 D06 | 138,70 | 12 | 16 | 20 | 78 | 27 | 45 | 6 | XC..06 | 83.30.147 5,80 | 56.33.611 (T07) 4,00 |
| MFD 12 L2.25 D06 | | 12 | 16 | 20 | 78 | 27 | 45 | 6 | XC..06 | 83.30.147 5,80 | 56.33.611 (T07) 4,00 |
| MFD 14 R2.25 D07 | 141,50 | 14 | 16 | 20 | 83 | 31.5 | 45 | 7 | XC..07 | 83.30.148 5,80 | 56.33.612 (T08) 4,00 |
| MFD 16 R2.25 D08 | 144,45 | 16 | 20 | 25 | 94 | 36 | 50 | 8 | XC..08 | 83.30.149 5,80 | 56.33.612 (T08) 4,00 |
| MFD 16 L2.25 D08 | | 16 | 20 | 25 | 94 | 36 | 50 | 8 | XC..08 | 83.30.149 5,80 | 56.33.612 (T08) 4,00 |
| MFD 20 R2.25 D10 | 169,90 | 20 | 25 | 32 | 111 | 45 | 56 | 10 | XC..10 | 83.30.150 5,80 | 56.33.613 (T15) 4,00 |

| Bezeichnung Part Number | DK 1210 (K10) Aluminium | DP 2320 (P20/K15C) Stahl Steel | DP 5530 (P30C) Niro Stainless Steel |
|----------------------------|-------------------------------|---|--|
| | XC GT | XC MT | XC MT |
| | EUR / Stück Piece | EUR / Stück Piece | EUR / Stück Piece |
| XC.T 05 02 04 EN | | | |
| 06 02 04 EN | (12,25) | 11,30 | 11,30 |
| 07 03 04 EN | | | |
| 08 03 04 EN | (12,45) | 11,50 | 11,50 |
| 10 T3 04 EN | (14,60) | 13,50 | 13,50 |

Preise dick gedruckt = JD - Lager
 Thick printing = JD - Stock

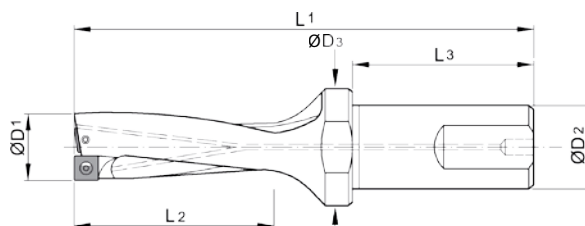
Preise dünn gedruckt mit Klammern = begrenzte Lagerhaltung
 Thin printing with brackets = limited stock

Weitere Durchmesser und Wendepatten auf Anfrage.
 Further diameters and inserts upon request.



Fordern Sie unsere Tech News Nr. 311 für MFD-Bohrer an.
 Ask for our tech news no. 311 about MFD-Drills.

3xD



| Bezeichnung Part Number | Maße [mm] Dimensions | | | | | | Wendeplatte Insert | Ersatzteile Spare Parts | | EUR/Stück Piece |
|----------------------------|-------------------------|----------------|----------------|----------------|----------------|----------------|-----------------------|--------------------------|-----------------------------------|--------------------|
| | D ₁ | D ₂ | D ₃ | L ₁ | L ₂ | L ₃ | | | | |
| JDS D 130. 20. 3 | 13 | 20 | 25 | 107 | 39 | 50 | SP. 050204 | 83.30.144 4,00 | 75.20.621 (T06) 4,00 | 141,05 |
| JDS D 140. 20. 3 | 14 | 20 | 25 | 110 | 42 | 50 | | | | |
| JDS D 150. 20. 3 | 15 | 20 | 25 | 114 | 45 | 50 | | | | |
| JDS D 160. 25. 3 | 16 | 25 | 34 | 124 | 48 | 56 | SP. 060204 | 83.30.145 4,00 | 56.33.611 (T07) 4,00 | 141,05 |
| JDS D 170. 25. 3 | 17 | 25 | 34 | 127 | 51 | 56 | | | | |
| JDS D 180. 25. 3 | 18 | 25 | 34 | 131 | 54 | 56 | | | | |
| JDS D 190. 25. 3 | 19 | 25 | 34 | 134 | 57 | 56 | | | | |
| JDS D 200. 25. 3 | 20 | 25 | 34 | 139 | 60 | 56 | | | | |
| JDS D 210. 25. 3 | 21 | 25 | 34 | 142 | 63 | 56 | | | | |
| JDS D 220. 25. 3 | 22 | 25 | 34 | 145 | 66 | 56 | SP. 07T308 | 56.33.104 4,85 | 56.33.612 (T08) 4,00 | 151,65 |
| JDS D 230. 25. 3 | 23 | 25 | 34 | 150 | 69 | 56 | | | | |
| JDS D 240. 25. 3 | 24 | 25 | 34 | 154 | 72 | 56 | | | | |
| JDS D 250. 25. 3 | 25 | 25 | 34 | 157 | 75 | 56 | | | | |

Wendeplatten

Inserts

| Bezeichnung Part Number | SPGT... DM 5125 (M30C) Niro <i>Stainless Steel</i> | SPMX...M20 DP 5330 (P30C) Stahl <i>Steel</i> Guss <i>Cast Iron</i> | Passende Bohrer <i>Suitable Drills</i> |
|----------------------------|---|---|---|
| | | | JDS D |
| | EUR/Stück Piece | EUR/Stück Piece | |
| SP .. 05 02 04 | 7,45 | 5,20 | 130-150 |
| SP .. 06 02 04 | 7,60 | 5,65 | 155-215 |
| SP .. 07 T3 08 | 8,20 | 6,30 | 220-250 |

➤ Wendeplattenbohrer JDS D sind von Ø13 bis Ø 40mm in 2xD, 3xD und 4xD, auch mit Zwischenmaßen, lieferbar.
Indexable drills JDS D are available Ø 13 - Ø 40mm in 2xD, 3xD and 4xD, including intermediate diameters.



Fordern Sie unsere Tech News Nr. 312 für JDS D an.
Ask for our tech news no. 312 about JDS D.



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