# AKKO®

## Price List Preis Liste 2023

***konuşulan** kalite...*
***the spoken** quality...*
***qualität über die** man spricht...*

AKKO Metalworking Tools

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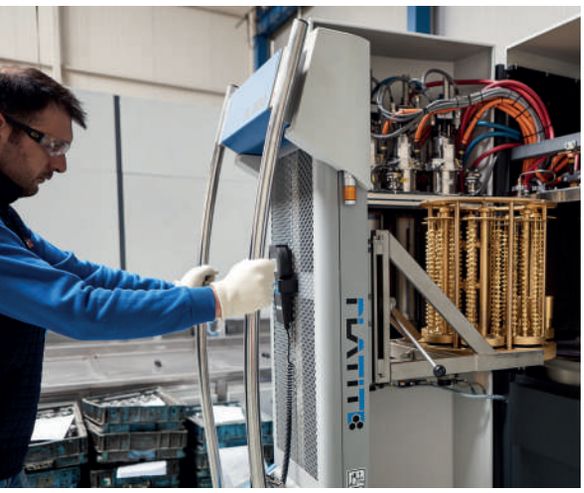
TS EN ISO 9001:2015

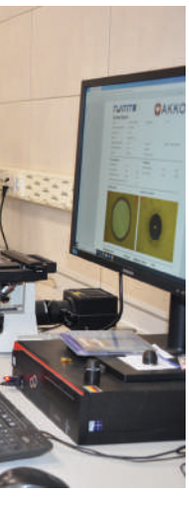


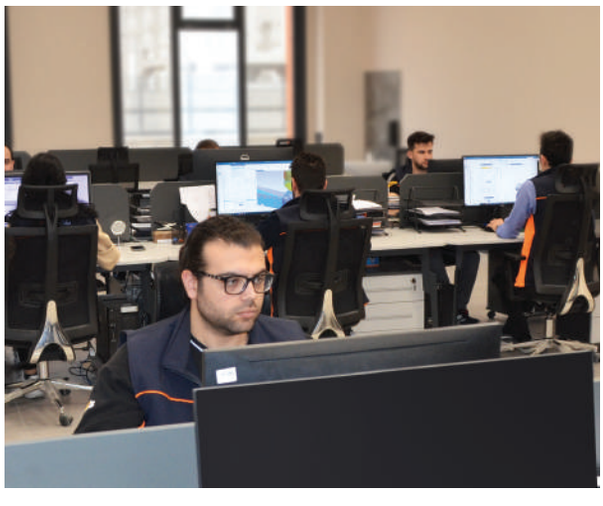
AKKO®

1986 yılında Abdullah KARAKUŞ tarafından kurulan AKKO Makina Sanayi ve Ticaret A.Ş. Tornalama Takımları, Diş ve Kanal Açma Takımları, Delik Delme Takımları, Frezeleme Takımları ve talebe yönelik Özel Takımları üretmektedir. Şu an 39.000 m²' ye yakın bir alanda Türkiye, Japonya, Almanya, İsviçre gibi ülkelerin ürettikleri son teknoloji tezgah ve ekipmanlarıyla yıllık 400.000 adet üretim kapasitesiyle, standart 10.000 çeşit takım üretimi yapmaktadır. Avrupa, Asya, Afrika, Güney Amerika, Kuzey Amerika ve Orta Doğu kıtalarında şimdilik 90 ülkeye ürün sevkiyatına devam etmektedir. Minimum 300.000 adet üretilmiş ürün stoklarında mevcut bulunmaktadır. Firma için özel üretilen çelik hammadde işleme girer ve bütün üretim süreci kendi bünyesinde gerçekleşmektedir. Çeliğin işlenmesi, ısıl işlemi, üzerindeki kaplama ve her türlü üretim operasyonları bir entegre tesis olan AKKO'da yapılmaktadır.

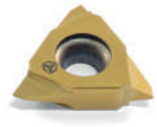
We as AKKO Makina Sanayi ve Ticaret A.Ş. which has been founded by Abdullah KARAKUŞ in 1986, produces Turning Tool Holders, Threading and Grooving Tool Holders, U-Drills, Milling Tool Holders, and Precision Tool Holders ( OEM Tool Holders ) on-demand. We produce standard 10.000 kinds of tool holders with a production capacity of 400.000 pieces per annum in an area of about 39.000 square meters. We are going on exporting to 90 countries including European, Asian, African, South American Countries, North American Countries, and Middle East Countries. We keep ready about 300.000 pieces produced products in our stock. Steel Raw materials that we make produced especially for us are delivered our factory and all production process are made in our factory. All kinds of operations from machining of steel to heat treatment and coating on our tools are made in our integrated factory AKKO.

Wir die Firma AKKO Makina Sanayi ve Ticaret A.Ş. welches durch Herrn Abdullah Karakuş in 1986 gegründet wurde, produzieren Dreh-, Gewinde- und Stechwerkzeuge für Wendeschneidplatten. Ebenso gehören Wendeplattenbohrer, Wendeplattenfräser und Sonderwerkzeuge nach Anfrage für Wendeplatten zum Lieferprogramm. Alle Werkzeuge sind auch als OEM-Version lieferbar. Wir produzieren 10.000 standart Arten der Werkzeughalter mit einer Produktionskapazität von 400.000 Stücken per anum auf einer Fläche von 39.000 quadrat meter. Wir exportieren unsere eigenproduzierten Ware nach 90 Ländern, Europa, Asien, Afrika, Süd amerikanische Länder, Mittlerer Osten. Lieferbereit halten wir 300.000 Stück produzierte Produkte auf Lager. Das eingesetzte Rohmaterial wird speziell für unsere Firma produziert. Alle Produktionsschritte werden auf unseren eigenen Anlagen veranlasst. Alle einzelenen Produktionsschritte wie z.B. mechanische Bearbeitung, Wärmebehandlung und Beschichtung unserer Werkzeuge erfolgen auf unseren eigenen Maschinenanlagen.

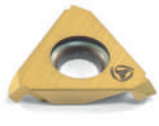




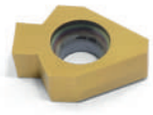
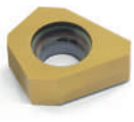
## POLY-V GROOVING INSERTS and TOOLHOLDERS / *POLY-V EINSTECHPLATTEN UND WERKZEUGE*

| | | PRICE / PREIS |
|---|---|---|
| | **ADKT-T12P-R / L**<br>**T12...** | |
| | ADKT-T12P-R/L-1616-T5 | 100,00 € |
| | ADKT-T12P-R/L-2020-T5 | 104,00 € |
| | ADKT-T12P-R/L-2525-T5 | 108,00 € |
| | ADKT-T12P-R/L-3232-T5 | 129,00 € |
|  | T12.10.0234.PJ.L | 38,00 € |
| | T12.10.0234.PJ.R | 38,00 € |
| | T12.10.0356.PK.L | 41,00 € |
| | T12.10.0356.PK.R | 41,00 € |
| | T12.10.0470.PL.R | 44,00 € |
| | T30.07.0234.PJ.x2 | 50,00 € |
| | T30.07.0356.PK.x2 | 50,00 € |
| | **ATPVK**<br>**B26.07.0234PJ.x4**<br>**B26.07.0356PK.x4**<br>**B26.07.0470PL.x3** | |
| | ATPVK 2020 K2.34X4 | 155,00 € |
| | ATPVK 2525 M2.34X4 | 156,00 € |
| | ATPVK 3232 P2.34X4 | 180,00 € |
| | ATPVK 2020 K3.56X4 | 155,00 € |
| | ATPVK 2525 M3.56X4 | 156,00 € |
| | ATPVK 3232 P3.56X4 | 180,00 € |
| | ATPVK 2020 K4.7X3 | 141,00 € |
| | ATPVK 2525 M4.7X3 | 142,00 € |
| | ATPVK 3232 P4.7X3 | 164,00 € |
| | B26.07.0234.PJx4 | 59,00 € |
| | B26.07.0356.PKx4 | 59,00 € |
| | B26.07.0470.PLx3 | 54,00 € |

## INSERTS and TOOLHOLDERS FOR GROOVING CORNER RELIEFS / *WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR AXIAL FREISTICHE*

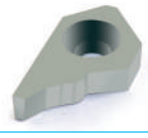
| | | PRICE / PREIS |
|---|---|---|
| | **AAUT-T20-R / L**<br>**T20...** | |
| | AAUT-T20-R/L-1616-45 | 93,00 € |
| | AAUT-T20-R/L-2020-45 | 94,00 € |
| | AAUT-T20-R/L-2525-45 | 96,00 € |
|  | T20.00.0815.45.04R/L | 42,00 € |
| | T20.00.1220.45.05R/L | 42,00 € |
| | T20.00.2024.45.06R/L | 42,00 € |
| | T20.00.1220.45.10R/L | 54,00 € |

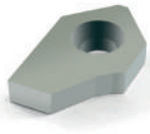
Ordering Example /*Beispiel Bestellformular:* 1pcs. ADKT-T12P-R-1616-T5

| BROACHING INSERTS and TOOLHOLDERS / *WENDESCHNEIDPLATTEN UND WERKZEUGHALTER FÜR DIE NUTBEARBEITUNG* | | | PRICE / PREIS |
|---|---|---|---|
| | **ABT**<br>**B41...**<br>**B42...** | ABT-B41-D17-Y25-L90-I040 | 158,00 € |
| | | ABT-B41-D17-Y25-L105-I065 | 158,00 € |
| | | ABT-B41-D22-Y25-L100-I050 | 173,00 € |
| | | ABT-B41-D22-Y25-L125-I070 | 173,00 € |
| | | ABT-B42-D30-Y32-L100-I050 | 210,00 € |
| | | ABT-B42-D30-Y32-L125-I075 | 210,00 € |
| | | ABT-B42-D30-Y32-L170-I110 | 286,00 € |
| | | ABT-B42-D38-Y32-L100-I050 | 231,00 € |
| | | ABT-B42-D38-Y32-L125-I075 | 231,00 € |
| | | ABT-B42-D40-Y32-L100-I050 | 231,00 € |
| | | ABT-B42-D40-Y32-L125-I075 | 231,00 € |
|  | | B41.00.0498.020.VP3001 | 33,00 € |
| | | B41.00.0501.020.VP3001 | 33,00 € |
| | | B41.00.0598.020.VP3001 | 33,00 € |
| | | B41.00.0601.020.VP3001 | 33,00 € |
| | | B41.00.0612.085.VP3001 | 33,00 € |
| | | B41.00.0713.085.VP3001 | 33,00 € |
| | | B41.00.0798.020.VP3001 | 33,00 € |
| | | B41.00.0801.020.VP3001 | 33,00 € |
| | | B41.00.0813.105.VP3001 | 33,00 € |
| | | B42.00.0998.030.VP3001 | 41,00 € |
| | | B42.00.1001.030.VP3001 | 41,00 € |
| | | B42.00.1013.105.VP3001 | 41,00 € |
| | | B42.00.1197.030.VP3001 | 41,00 € |
| | | B42.00.1200.050.VP3001 | 41,00 € |
| | | B42.00.1201.030.VP3001 | 41,00 € |
| | | B42.00.1215.135.VP3001 | 41,00 € |
| | | B42.00.1215.175.VP3001 | 41,00 € |
| | | B42.00.1215.225.VP3001 | 41,00 € |
| | | B42.00.1397.030.VP3001 | 41,00 € |
| | | B42.00.1401.030.VP3001 | 41,00 € |
|  | | B41.00.0150.CH.VP3001 | 33,00 € |
| | | B41.00.0300.CH.VP3001 | 33,00 € |
| | | B42.00.0600.CH.VP3001 | 41,00 € |

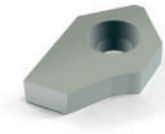
Ordering Example / *Beispiel Bestellformular:* 1pcs. ABT-B41-D17-Y25-L90-I040

AKKO®

| VALVE SEAT INSERTS and TOOLHOLDERS / *WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR VENTILSITZBEARBEITUNG* | | | PRICE / PREIS |
|---|---|---|---|
| | **VST**<br>**B11...** | VST-B11-2842 | 105,00 € |
| | | VST-B11-4058 | 112,00 € |
| | **VST**<br>**B11...** | VST-B11-1830 | 90,00 € |
| | **VST**<br>**B11...** | VST-B11-2032 | 160,00 € |
| | | VST-B11-2434 | 110,00 € |
|  | B11013 | | 45,00 € |



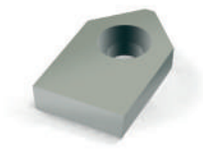
| | |
|---|---|
| B11003 | 33,00 € |
| B11004 | 33,00 € |
| B11005 | 33,00 € |
| B11006 | 33,00 € |
| B11007 | 33,00 € |
| B11008 | 33,00 € |
| B11009 | 33,00 € |
| B11010 | 33,00 € |
| B11011 | 33,00 € |
| B11012 | 33,00 € |
| B11014 | 33,00 € |
| B11016 | 33,00 € |
| B11017 | 33,00 € |
| B11018 | 33,00 € |
| B11019 | 33,00 € |
| B11020 | 45,00 € |
| B11021 | 33,00 € |
| B11022 | 33,00 € |
| B11029 | 33,00 € |
| B11030 | 33,00 € |
| B11031 | 33,00 € |
| B11032 | 33,00 € |
| B11033 | 33,00 € |
| B11034 | 33,00 € |
| B11035 | 33,00 € |
| B11036 | 33,00 € |
| B11037 | 33,00 € |
| B11038 | 33,00 € |



| | |
|---|---|
| B11039 | 33,00 € |
| B11040 | 33,00 € |
| B11042 | 33,00 € |
| B11043 | 33,00 € |
| B11044 | 33,00 € |
| B11045 | 33,00 € |
| B11046 | 33,00 € |
| B11047 | 33,00 € |
| B11048 | 33,00 € |
| B11049 | 33,00 € |
| B11050 | 33,00 € |
| B11051 | 33,00 € |
| B11052 | 33,00 € |
| B11053 | 33,00 € |
| B11054 | 33,00 € |
| B11055 | 33,00 € |
| B11056 | 33,00 € |
| B11057 | 33,00 € |
| B11058 | 33,00 € |
| B11061 | 33,00 € |
| B11062 | 33,00 € |
| B11063 | 33,00 € |
| B11064 | 33,00 € |
| B11065 | 33,00 € |
| B11066 | 33,00 € |
| B11067 | 33,00 € |
| B11069 | 33,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. VST-B11-2842

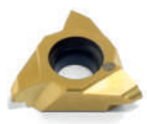
| VALVE SEAT INSERTS and TOOLHOLDERS / *WENDESCHNEIDPLATTEN UND WERKZEUGE FÜR VENTILSITZBEARBEITUNG* | PRICE / PREIS |
|---|---|
| B11015 | 23,00 € |
| B11023 | 45,00 € |
| B11024 | 23,00 € |
| B11025 | 23,00 € |
| B11026 | 23,00 € |
| B11027 | 23,00 € |
| B11028 | 23,00 € |



## WHIRLING INSERTS and TOOLHOLDERS / *WENDESCHNEIDPLATTEN UND WERKZEUGHALTER ZUM GEWINDEWIRBELN*

| MACHINE *MASCHINE* | AGGREGATE WHIRLING UNIT *WRBELSPINDEL* | WHIRLING RING CODE *WIRBELRING* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|---|---|
| STAR | 5914 72 00/68172 | ATW-301-T09-D1240-Z06 | T09.... | 316,00 € |
| | BTW1000 | ATW-302-T09-D1233-Z06 | T09.... | 316,00 € |
| | GSW101 | ATW-303-T09-D0620-Z06 | T09.... | 316,00 € |
| CITIZEN | MWS101/KSW101 | | | |
| | LSW101/BSW215/ | ATW-304-T09-D1240-Z06 | T09.... | 316,00 € |
| | LSW215315 | | | |
| | LSW424 | ATW-305-T09-D1245-Z06 | T09.... | 316,00 € |
| TORNOS | 306101/307087 | ATW-306-T09-D1240-Z06 | T09.... | 328,00 € |
| | 417617 | ATW-307-T09-D1250-Z06 | T09.... | 340,00 € |
| WTO | TN762004 | ATW-308-T09-D1142-Z06 | T09.... | 316,00 € |
| | TN762006 | ATW-309-T09-D2054-Z08 | T09.... | 362,00 € |
| | 3234 Y342 | ATW-310-T09-D1252-Z06 | T09.... | 340,00 € |
| | 3268 Y452 | ATW-311-T09-D1252-Z06 | T09.... | 328,00 € |
| TSUGAMI | 3268 Y271 | ATW-312-T09-D1252-Z06 | T09.... | 328,00 € |
| | 3214 Y342 | ATW-313-T09-D1650-Z06 | T09.... | 340,00 € |
| | 3234 Y342 | ATW-314-T09-D2052-Z06 | T09.... | 340,00 € |
| | 3281-Y451 | ATW-316-T09-D1252-Z06 | T09.... | 328,00 € |
| HANWHA | MADAULA | ATW-315-T09-D1245-Z06 | T09.... | 328,00 € |

| | |
|---|---|
| T09.HA150.D12-VK15U01 | 48,00 € |
| T09.HA200.D12-VK15U01 | 48,00 € |
| T09.HA270.D12-VK15U01 | 48,00 € |
| T09.HA350.D12-VK15U01 | 48,00 € |
| T09.HA400.D12-VK15U01 | 48,00 € |
| T09.HA450.D12-VK15U01 | 48,00 € |
| T09.HA500.D12-VK15U01 | 48,00 € |
| T09.HB400.D12-VK15U01 | 48,00 € |
| T09.HB650.D12-VK15U01 | 48,00 € |
| T09.HC290.D12-VK15U01 | 48,00 € |
| T09.HC350.D12-VK15U01 | 48,00 € |
| T09.HC390.D12-VK15U01 | 48,00 € |
| T09.HC420.D12-VK15U01 | 48,00 € |
| T09.HD400.D12-VK15U01 | 48,00 € |
| T09.HD450.D12-VK15U01 | 48,00 € |
| T09.M200.D12-VK15U01 | 48,00 € |
| T09.M250.D12-VK15U01 | 48,00 € |
| T09.M300.D12-VK15U01 | 48,00 € |
| T09.M350.D12-VK15U01 | 48,00 € |
| T09.M400.D12-VK15U01 | 48,00 € |
| T09.M500.D12-VK15U01 | 48,00 € |
| T09.M600.D12-VK15U01 | 48,00 € |
| T09.M700.D12-VK15U01 | 48,00 € |
| T09.M800.D12-VK15U01 | 48,00 € |



Ordering Example / *Beispiel Bestellformular:* 1pcs. B11015

## THREAD MILLING INSERTS AND TOOLHOLDER / *GEWINDEFRÄSERWERKZEUGE*

| CODE / *TYP* | INSERT TYPE | TOOL DIMENSIONS (mm) *MAß* Pitch | H | T | PRICE / PREIS |
|---|---|---|---|---|---|
| ADTE.14.075 | | 0.75 | 7.5 | 3.1 | 32,00 € |
| ADTE.14.100 | | 1.00 | 7.5 | 3.1 | 32,00 € |
| ADTE.14.125 | | 1.25 | 7.5 | 3.1 | 32,00 € |
| ADTE.14.150 | | 1.50 | 7.5 | 3.1 | 32,00 € |
| ADTE.14.175 | C14 | 1.75 | 7.5 | 3.1 | 32,00 € |
| ADTE.14.200 | | 2.00 | 7.5 | 3.1 | 32,00 € |
| ADTE.14.250 | | 2.50 | 7.5 | 3.1 | 32,00 € |
| ADTE.21.100 | | 1.00 | 12 | 4.7 | 40,00 € |
| ADTE.21.150 | C21 | 1.50 | 12 | 4.7 | 40,00 € |
| ADTE.21.200 | | 2.00 | 12 | 4.7 | 40,00 € |
| ADTE.21.250 | | 2.50 | 12 | 4.7 | 40,00 € |
| ADTE.21.300 | | 3.00 | 12 | 4.7 | 40,00 € |
| ADTI.14.050 | | 0.5 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.075 | | 0.75 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.100 | C14 | 1.00 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.125 | | 1.25 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.150 | | 1.50 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.175 | | 1.75 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.200 | | 2.00 | 7.5 | 3.1 | 32,00 € |
| ADTI.14.250 | | 2.50 | 7.5 | 3.1 | 32,00 € |
| ADTI.21.100 | | 1.00 | 12 | 4.7 | 40,00 € |
| ADTI.21.150 | | 1.50 | 12 | 4.7 | 40,00 € |
| ADTI.21.175 | C21 | 1.75 | 12 | 4.7 | 40,00 € |
| ADTI.21.200 | | 2.00 | 12 | 4.7 | 40,00 € |
| ADTI.21.250 | | 2.50 | 12 | 4.7 | 40,00 € |
| ADTI.21.300 | | 3.00 | 12 | 4.7 | 40,00 € |
| ADTI.21.350 | | 3.5 | 12 | 4.7 | 40,00 € |

## TORX-ALLEN / PUNCH - BROACH SET / *TORX WINKELSCHRAUBENDEHER WERKZEUGE*

| CODE / *TYP* | SOCKET NUMBER | INSERT DIMENSIONS (mm) *MAß* ØD | H | A | B | PRICE / PREIS |
|---|---|---|---|---|---|---|
| APTX-006 | 6 | 4 | 1.82 | 1.75 | 1.27 | 42,00 € |
| APTX-008 | 8 | 4 | 3.05 | 2.4 | 1.75 | 42,00 € |
| APTX-010 | 10 | 4 | 3.56 | 2.8 | 2.05 | 42,00 € |
| APTX-015 | 15 | 4 | 3.81 | 3.35 | 2.4 | 42,00 € |
| APTX-020 | 20 | 5 | 4.07 | 3.95 | 2.85 | 42,00 € |
| APTX-025 | 25 | 5 | 4.45 | 4.5 | 3.25 | 42,00 € |
| APTX-030 | 30 | 7 | 4.95 | 5.6 | 4.05 | 42,00 € |
| APTX-040 | 40 | 7 | 5.59 | 6.75 | 4.85 | 42,00 € |
| APTX-045 | 45 | 9 | 6.22 | 7.93 | 5.64 | 42,00 € |
| APTX-050 | 50 | 10 | 6.48 | 8.95 | 6.45 | 42,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. ADTE.14.075

## TORX-ALLEN / PUNCH - BROACH SET / *TORX WINKELSCHRAUBENDEHER WERKZEUGE*

| CODE / *TYP* | SOCKET NUMBER | INSERT DIMENSIONS (mm) *MAß* ØD | H | PRICE / PREIS |
|---|---|---|---|---|
| APHX-0016 | M1,6 | 4 | 3 | 32,00 € |
| APHX-0020 | M2,0 | 4 | 4 | 32,00 € |
| APHX-0025 | M2,5 | 4 | 5 | 32,00 € |
| APHX-0030 | M3,0 | 4 | 6 | 32,00 € |
| APHX-0035 | M3,5 | 4 | 6 | 32,00 € |
| APHX-0040 | M4,0 | 4 | 8 | 32,00 € |
| APHX-0045 | M4,5 | 5 | 9 | 32,00 € |
| APHX-0050 | M5,0 | 5 | 10 | 32,00 € |
| APHX-0060 | M6,0 | 6 | 11 | 32,00 € |
| APHX-0080 | M8,0 | 7 | 12 | 32,00 € |
| APHX-0100 | M10 | 10 | 12 | 32,00 € |
| APHX-0120 | M12 | 12 | 12 | 32,00 € |
| APHX-0140 | M14 | 14 | 16 | 32,00 € |
| APHX-0160 | M16 | 17 | 18 | 32,00 € |
| APHX-0200 | M20 | 21 | 20 | 32,00 € |

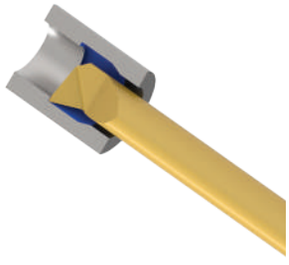
| CODE / *TYP* | SOCKET NUMBER | INSERT DIMENSIONS (mm) *MAß* ØD | L2 | PRICE / PREIS |
|---|---|---|---|---|
| AKTX-006 | 6 | 6 | 3,0 | 42,00 € |
| AKTX-008 | 8 | 6 | 4,0 | 42,00 € |
| AKTX-010 | 10 | 6 | 4,5 | 42,00 € |
| AKTX-015 | 15 | 6 | 4,5 | 42,00 € |
| AKTX-020 | 20 | 6 | 5,0 | 42,00 € |
| AKTX-030 | 30 | 6 | 6,0 | 42,00 € |
| AKTX-040 | 40 | 6 | 6,5 | 42,00 € |
| AKTX-045 | 45 | 6 | 7,0 | 42,00 € |

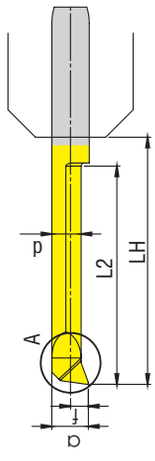
| CODE / *TYP* | SOCKET NUMBER | INSERT DIMENSIONS (mm) *MAß* ØD | r | L2 | LH | Tmax | PRICE / PREIS |
|---|---|---|---|---|---|---|---|
| AKHX-001-001 | 1 | 3 | 0,05 | 2 | 2 | 0,3 | 42,00 € |
| AKHX-002-002 | 2 | 3 | 0,05 | 3 | 3 | 0,6 | 42,00 € |
| AKHX-003-003 | 3 | 4 | 0,05 | 6 | 6 | 1 | 42,00 € |
| AKHX-004-006 | 4-6 | 5 | 0,10 | 8 | 8 | 1 | 42,00 € |
| AKHX-007-012 | 7-12 | 6 | 0,15 | 12 | 12 | 1,5 | 42,00 € |
| AKHX-013-018 | 13-18 | 9 | 0,20 | 15 | 15 | 2 | 42,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. APHX-0016

## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT BORING**

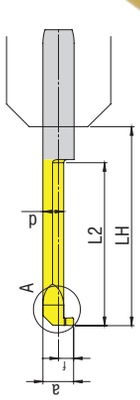





| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* L2 | Ødmin | R | a | d | f | LH | tmax | ØD | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|
| APB.04.102.015 | 10,2 | 4,2 | 0.15 | 3.95 | 3.45 | 1.95 | 13 | 0.3 | 4 | 25,00 € |
| APB.04.152.015 | 15.20 | 4.2 | 0.15 | 3.95 | 3.45 | 1.95 | 18 | 0.3 | 4 | 26,00 € |
| APB.04.203.015 | 20.30 | 4.2 | 0.15 | 3.95 | 3.45 | 1.95 | 23 | 0.3 | 4 | 30,00 € |
| APB.04.254.015 | 25.40 | 4.2 | 0.15 | 3.95 | 3.45 | 1.95 | 28 | 0.3 | 4 | 31,00 € |
| APB.04.305.015 | 30.50 | 4.2 | 0.15 | 3.95 | 3.45 | 1.95 | 33 | 0.3 | 4 | 36,00 € |
| APB.04.356.015 | 35.60 | 4.2 | 0.15 | 3.95 | 3.45 | 1.95 | 38 | 0.3 | 4 | 38,00 € |
| APB.05.102.020 | 10,2 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 13 | 0.5 | 5 | 22,00 € |
| APB.05.152.020 | 15.20 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 18 | 0.5 | 5 | 23,00 € |
| APB.05.203.020 | 20.30 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 23 | 0.5 | 5 | 28,00 € |
| APB.05.254.020 | 25.40 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 28 | 0.5 | 5 | 31,00 € |
| APB.05.305.020 | 30.50 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 33 | 0.5 | 5 | 35,00 € |
| APB.05.356.020 | 35.60 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 38 | 0.5 | 5 | 38,00 € |
| APB.05.406.020 | 40.60 | 5.2 | 0.2 | 4.95 | 4.95 | 2.95 | 43 | 0.5 | 5 | 21,00 € |
| APB.06.102.020 | 10,2 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 13 | 0.5 | 6 | 22,00 € |
| APB.06.152.020 | 15.20 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 18 | 0.5 | 6 | 24,00 € |
| APB.06.203.020 | 20.30 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 23 | 0.5 | 6 | 28,00 € |
| APB.06.254.020 | 25.40 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 28 | 0.5 | 6 | 31,00 € |
| APB.06.305.020 | 30.50 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 33 | 0.5 | 6 | 35,00 € |
| APB.06.356.020 | 35.60 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 38 | 0.5 | 6 | 39,00 € |
| APB.06.406.020 | 40.60 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 43 | 0.5 | 6 | 44,00 € |
| APB.06.508.020 | 50.80 | 6.2 | 0.2 | 5.95 | 5.25 | 2.95 | 53 | 0.5 | 6 | 53,00 € |
| APB.07.254.020 | 25.40 | 7.2 | 0.2 | 6.95 | 6.25 | 3.45 | 28 | 0.5 | 7 | 34,00 € |
| APB.07.305.020 | 30.50 | 7.2 | 0.2 | 6.95 | 6.25 | 3.45 | 33 | 0.5 | 7 | 38,00 € |
| APB.07.356.020 | 35.60 | 7.2 | 0.2 | 6.95 | 6.25 | 3.45 | 38 | 0.5 | 7 | 42,00 € |
| APB.07.406.020 | 40.60 | 7.2 | 0.2 | 6.95 | 6.25 | 3.45 | 43 | 0.5 | 7 | 45,00 € |
| APB.07.508.020 | 50.80 | 7.2 | 0.2 | 6.95 | 6.25 | 3.45 | 53 | 0.5 | 7 | 53,00 € |
| APB.07.608.020 | 60.80 | 7.2 | 0.2 | 6.95 | 6.25 | 3.45 | 63 | 0.5 | 7 | 60,00 € |

## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT GROOVING**

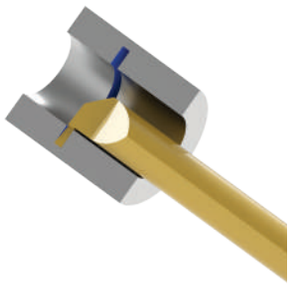


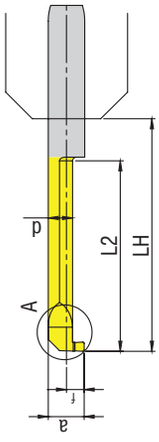

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* W | L2 | Ødmin | R | a | d | f | LH | tmax | ØD | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APG04.080.102 | 0.8 | 10,2 | 4,2 | - | 3.95 | 2,95 | 1.95 | 13 | 0,8 | 4 | 25,00 € |
| APG04.080.152 | 0.8 | 15.2 | 4,2 | - | 3.95 | 2,95 | 1.95 | 18 | 0,8 | 4 | 29,00 € |
| APG04.080.203 | 0.8 | 20.3 | 4,2 | - | 3.95 | 2,95 | 1.95 | 23 | 0,8 | 4 | 32,00 € |
| APG04.080.254 | 0.8 | 25.4 | 4,2 | - | 3.95 | 2,95 | 1.95 | 28 | 0,8 | 4 | 36,00 € |
| APG04.100.102 | 1,0 | 10,2 | 4,2 | - | 3.95 | 2,95 | 1.95 | 13 | 1,0 | 4 | 25,00 € |
| APG04.100.152 | 1,0 | 15.2 | 4,2 | - | 3.95 | 2,95 | 1.95 | 18 | 1,0 | 4 | 28,00 € |
| APG04.100.203 | 1,0 | 20.3 | 4,2 | - | 3.95 | 2,95 | 1.95 | 23 | 1,0 | 4 | 32,00 € |
| APG05.079.102 | 0,79 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 24,00 € |
| APG05.079.152 | 0,79 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 28,00 € |
| APG05.079.203 | 0,79 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 32,00 € |
| APG05.079.254 | 0,79 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 36,00 € |
| APG05.079.305 | 0,79 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 40,00 € |
| APG05.079.356 | 0,79 | 35.6 | 5,2 | - | 4.95 | 3,75 | 2,45 | 38 | 1,0 | 5 | 44,00 € |
| APG05.100.102 | 1,0 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 24,00 € |
| APG05.100.152 | 1,0 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 27,00 € |
| APG05.100.203 | 1,0 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 31,00 € |
| APG05.100.254 | 1,0 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 35,00 € |
| APG05.100.305 | 1,0 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 39,00 € |
| APG05.100.356 | 1,0 | 35,6 | 5,2 | - | 4,95 | 3,75 | 2,45 | 38 | 1,0 | 5 | 44,00 € |

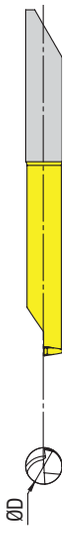
Ordering Example /*Beispiel Bestellformular:* 1pcs. APB.04.102.015

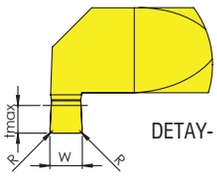
## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT GROOVING**





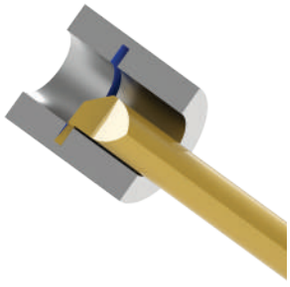

DETAY- A

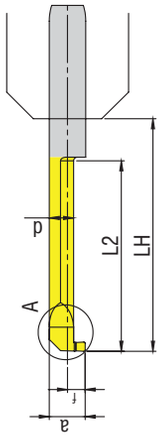
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | L2 | Ødmin | R | a | d | f | LH | tmax | ØD | |
| APG05.117.102 | 1,17 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 25,00 € |
| APG05.117.152 | 1,17 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 28,00 € |
| APG05.117.203 | 1,17 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 31,00 € |
| APG05.117.254 | 1,17 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 36,00 € |
| APG05.117.305 | 1,17 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 40,00 € |
| APG05.117.356 | 1,17 | 35.6 | 5,2 | - | 4.95 | 3,75 | 2,45 | 38 | 1,0 | 5 | 43,00 € |
| APG05.150.102 | 1,5 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 25,00 € |
| APG05.150.152 | 1,5 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 28,00 € |
| APG05.150.203 | 1,5 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 32,00 € |
| APG05.150.254 | 1,5 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 35,00 € |
| APG05.150.305 | 1,5 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 40,00 € |
| APG05.150.356 | 1,5 | 35.6 | 5,2 | - | 4.95 | 3,75 | 2,45 | 38 | 1,0 | 5 | 43,00 € |
| APG05.157.102 | 1,57 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 25,00 € |
| APG05.157.152 | 1,57 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 29,00 € |
| APG05.157.203 | 1,57 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 32,00 € |
| APG05.157.254 | 1,57 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 35,00 € |
| APG05.157.305 | 1,57 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 40,00 € |
| APG05.198.102 | 1,98 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 25,00 € |
| APG05.198.152 | 1,98 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 29,00 € |
| APG05.198.203 | 1,98 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 32,00 € |
| APG05.198.254 | 1,98 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 40,00 € |
| APG05.198.305 | 1,98 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 40,00 € |
| APG05.200.102 | 2,0 | 10,2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 13 | 1,0 | 5 | 25,00 € |
| APG05.200.152 | 2,0 | 15.2 | 5,2 | - | 4.95 | 3,75 | 2,45 | 18 | 1,0 | 5 | 29,00 € |
| APG05.200.203 | 2,0 | 20.3 | 5,2 | - | 4.95 | 3,75 | 2,45 | 23 | 1,0 | 5 | 32,00 € |
| APG05.200.254 | 2,0 | 25.4 | 5,2 | - | 4.95 | 3,75 | 2,45 | 28 | 1,0 | 5 | 35,00 € |
| APG05.200.305 | 2,0 | 30.5 | 5,2 | - | 4.95 | 3,75 | 2,45 | 33 | 1,0 | 5 | 39,00 € |
| APG06.079.102 | 0,79 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 24,00 € |
| APG06.079.152 | 0,79 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 29,00 € |
| APG06.079.203 | 0,79 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 31,00 € |
| APG06.079.254 | 0,79 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 37,00 € |
| APG06.079.305 | 0,79 | 30.5 | 6.2 | - | 5.95 | 3.95 | 2.95 | 33 | 1.8 | 6 | 40,00 € |
| APG06.079.356 | 0,79 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 44,00 € |
| APG06.100.102 | 1,0 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 24,00 € |
| APG06.100.152 | 1,0 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 28,00 € |
| APG06.100.203 | 1,0 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 31,00 € |
| APG06.100.254 | 1,0 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 35,00 € |
| APG06.100.305 | 1,0 | 30.5 | 6.2 | - | 5.95 | 3.95 | 2.95 | 33 | 1.8 | 6 | 39,00 € |
| APG06.100.356 | 1,0 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 43,00 € |
| APG06.100.406 | 1,0 | 40,6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 43 | 1.8 | 6 | 46,00 € |
| APG06.117.102 | 1.17 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 25,00 € |

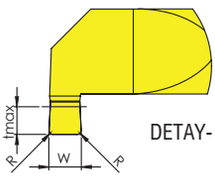
Ordering Example /*Beispiel Bestellformular:* 1pcs. APG05.117.102

## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT GROOVING**







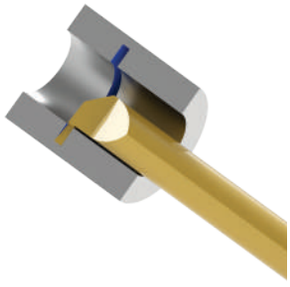

DETAY- A

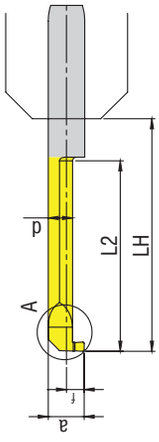
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | L2 | Ødmin | R | a | d | f | LH | tmax | ØD | |
| APG06.117.152 | 1.17 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 29,00 € |
| APG06.117.203 | 1.17 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 32,00 € |
| APG06.117.254 | 1.17 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 36,00 € |
| APG06.117.305 | 1.17 | 30.5 | 6.2 | - | 5.95 | 3.95 | 2.95 | 33 | 1.8 | 6 | 39,00 € |
| APG06.117.356 | 1.17 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 44,00 € |
| APG06.117.406 | 1.17 | 40,6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 43 | 1.8 | 6 | 48,00 € |
| APG06.150.102 | 1.5 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 24,00 € |
| APG06.150.152 | 1.5 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 28,00 € |
| APG06.150.203 | 1.5 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 31,00 € |
| APG06.150.254 | 1.5 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 35,00 € |
| APG06.150.305 | 1.5 | 30.5 | 6.2 | - | 5.95 | 3.95 | 2.95 | 33 | 1.8 | 6 | 39,00 € |
| APG06.150.356 | 1.5 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 43,00 € |
| APG06.157.102 | 1.57 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 25,00 € |
| APG06.157.152 | 1.57 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 29,00 € |
| APG06.157.203 | 1.57 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 33,00 € |
| APG06.157.254 | 1.57 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 37,00 € |
| APG06.157.305 | 1.57 | 30.5 | 6.2 | - | 5.95 | 3.95 | 2.95 | 33 | 1.8 | 6 | 40,00 € |
| APG06.157.356 | 1.57 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 44,00 € |
| APG06.157.406 | 1.57 | 40,6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 43 | 1.8 | 6 | 48,00 € |
| APG06.198.102 | 1.98 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 26,00 € |
| APG06.198.152 | 1.98 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 30,00 € |
| APG06.198.203 | 1.98 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 34,00 € |
| APG06.198.254 | 1.98 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 37,00 € |
| APG06.198.305 | 1.98 | 30.5 | 6.2 | - | 5.95 | 3.95 | 2.95 | 33 | 1.8 | 6 | 41,00 € |
| APG06.198.356 | 1.98 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 42,00 € |
| APG06.200.102 | 2,0 | 10,2 | 6,2 | - | 5.95 | 3.95 | 2.95 | 13 | 1.8 | 6 | 24,00 € |
| APG06.200.152 | 2,0 | 15.2 | 6.2 | - | 5.95 | 3.95 | 2.95 | 18 | 1.8 | 6 | 28,00 € |
| APG06.200.203 | 2,0 | 20.3 | 6.2 | - | 5.95 | 3.95 | 2.95 | 23 | 1.8 | 6 | 31,00 € |
| APG06.200.254 | 2,0 | 25.4 | 6.2 | - | 5.95 | 3.95 | 2.95 | 28 | 1.8 | 6 | 35,00 € |
| APG06.200.356 | 2,0 | 35.6 | 6.2 | - | 5.95 | 3.95 | 2.95 | 38 | 1.8 | 6 | 39,00 € |
| APG07.079.102 | 0,79 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 26,00 € |
| APG07.079.152 | 0,79 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 31,00 € |
| APG07.079.203 | 0,79 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 34,00 € |
| APG07.079.254 | 0,79 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 37,00 € |
| APG07.079.305 | 0,79 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 41,00 € |
| APG07.079.356 | 0,79 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 46,00 € |
| APG07.079.406 | 0,79 | 40,6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 43 | 2.5 | 7 | 49,00 € |
| APG07.100.102 | 1,0 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 25,00 € |
| APG07.100.152 | 1,0 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 30,00 € |
| APG07.100.203 | 1,0 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 33,00 € |
| APG07.100.254 | 1,0 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 38,00 € |

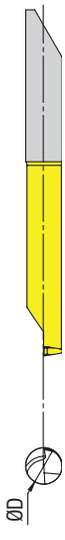
Ordering Example /*Beispiel Bestellformular:* 1pcs. APG06.117.152

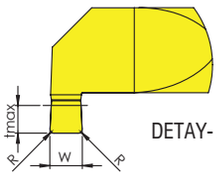
## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT GROOVING**





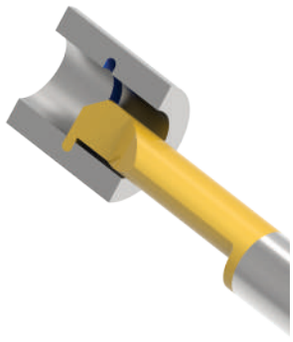

DETAY- A

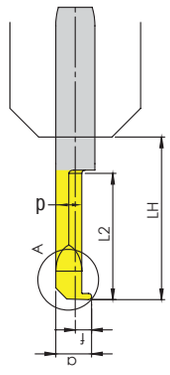
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | W | L2 | Ødmin | R | a | d | f | LH | tmax | ØD | |
| APG07.100.305 | 1,0 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 41,00 € |
| APG07.100.356 | 1,0 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 46,00 € |
| APG07.100.406 | 1,0 | 40,6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 43 | 2.5 | 7 | 49,00 € |
| APG07.117.102 | 1.17 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 27,00 € |
| APG07.117.152 | 1.17 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 30,00 € |
| APG07.117.203 | 1.17 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 34,00 € |
| APG07.117.254 | 1.17 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 38,00 € |
| APG07.117.305 | 1.17 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 42,00 € |
| APG07.117.356 | 1.17 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 46,00 € |
| APG07.117.406 | 1.17 | 40,6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 43 | 2.5 | 7 | 50,00 € |
| APG07.150.102 | 1.5 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 25,00 € |
| APG07.150.152 | 1.5 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 29,00 € |
| APG07.150.203 | 1.5 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 33,00 € |
| APG07.150.254 | 1.5 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 37,00 € |
| APG07.150.305 | 1.5 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 40,00 € |
| APG07.150.356 | 1.5 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 45,00 € |
| APG07.150.406 | 1.5 | 40,6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 43 | 2.5 | 7 | 48,00 € |
| APG07.157.102 | 1.57 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 26,00 € |
| APG07.157.152 | 1.57 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 31,00 € |
| APG07.157.203 | 1.57 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 34,00 € |
| APG07.157.254 | 1.57 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 38,00 € |
| APG07.157.305 | 1.57 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 42,00 € |
| APG07.157.356 | 1.57 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 46,00 € |
| APG07.157.406 | 1.57 | 40,6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 43 | 2.5 | 7 | 49,00 € |
| APG07.198.102 | 1.98 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 27,00 € |
| APG07.198.152 | 1.98 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 31,00 € |
| APG07.198.203 | 1.98 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 35,00 € |
| APG07.198.254 | 1.98 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 38,00 € |
| APG07.198.305 | 1.98 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 42,00 € |
| APG07.198.356 | 1.98 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 46,00 € |
| APG07.200.102 | 2,0 | 10,2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 13 | 2.5 | 7 | 25,00 € |
| APG07.200.152 | 2,0 | 15.2 | 7.2 | - | 6.95 | 4.25 | 3.45 | 18 | 2.5 | 7 | 29,00 € |
| APG07.200.203 | 2,0 | 20.3 | 7.2 | - | 6.95 | 4.25 | 3.45 | 23 | 2.5 | 7 | 33,00 € |
| APG07.200.254 | 2,0 | 25.4 | 7.2 | - | 6.95 | 4.25 | 3.45 | 28 | 2.5 | 7 | 36,00 € |
| APG07.200.305 | 2,0 | 30.5 | 7.2 | - | 6.95 | 4.25 | 3.45 | 33 | 2.5 | 7 | 40,00 € |
| APG07.200.356 | 2,0 | 35.6 | 7.2 | - | 6.95 | 4.25 | 3.45 | 38 | 2.5 | 7 | 44,00 € |
| APG10.100.305 | 1,0 | 30.5 | 10,5 | - | 9,95 | 5,45 | 4,95 | 33,0 | 4,0 | 10 | 59,00 € |
| APG10.100.508 | 1,0 | 50,8 | 10,5 | - | 9,95 | 5,45 | 4,95 | 53,0 | 4,0 | 10 | 63,00 € |
| APG10.200.305 | 2,0 | 30.5 | 10,5 | - | 9,95 | 5,45 | 4,95 | 33,0 | 4,0 | 10 | 57,00 € |
| APG10.200.508 | 2,0 | 50,8 | 10,5 | - | 9,95 | 5,45 | 4,95 | 53,0 | 4,0 | 10 | 63,00 € |
| APG10.300.305 | 3,0 | 30.5 | 10,5 | - | 9,95 | 5,45 | 4,95 | 33,0 | 4,0 | 10 | 58,00 € |
| APG10.300.508 | 3,0 | 50,8 | 10,5 | - | 9,95 | 5,45 | 4,95 | 53,0 | 4,0 | 10 | 62,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. APG07.100.305

## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT GROOVING**

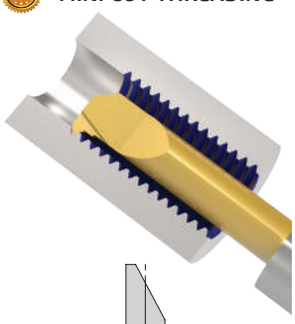


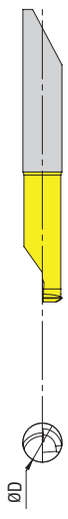



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* W | L2 | Ødmin | R | a | d | f | LH | tmax | ØD | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| APG04.100.152.R050 | 1,0 | 15,2 | 4,2 | 0,5 | 3,95 | 2,95 | 1,95 | 18,0 | 0,8 | 4 | 30,00 € |
| APG04.117.152.R0585 | 1,17 | 15,2 | 4,2 | 0,585 | 3,95 | 2,95 | 1,95 | 18,0 | 0,8 | 4 | 29,00 € |
| APG05.100.203.R050 | 1,0 | 20,3 | 5,2 | 0,5 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 30,00 € |
| APG05.117.203.R0585 | 1,17 | 20,3 | 5,2 | 0,585 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 31,00 € |
| APG05.150.203.R075 | 1,5 | 20,3 | 5,2 | 0,75 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 31,00 € |
| APG05.1574.203.R0787 | 1,574 | 20,3 | 5,2 | 0,787 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 31,00 € |
| APG05.1626.203.R0813 | 1,626 | 20,3 | 5,2 | 0,813 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 31,00 € |
| APG05.198.203.R099 | 1,98 | 20,3 | 5,2 | 0,99 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 30,00 € |
| APG05.200.203.R100 | 2,0 | 20,3 | 5,2 | 1,0 | 4,95 | 3,75 | 2,45 | 23,0 | 1,0 | 5 | 31,00 € |
| APG06.100.254.R050 | 1,0 | 25.4 | 6,2 | 0,5 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 34,00 € |
| APG06.117.254.R0585 | 1,17 | 25.4 | 6,2 | 0,585 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 30,00 € |
| APG06.150.254.R075 | 1,5 | 25.4 | 6,2 | 0,75 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 35,00 € |
| APG06.1574.254.R0787 | 1,574 | 25.4 | 6,2 | 0,787 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 32,00 € |
| APG06.1626.254.R0813 | 1,626 | 25.4 | 6,2 | 0,813 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 32,00 € |
| APG06.198.254.R099 | 1,98 | 25.4 | 6,2 | 0,99 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 32,00 € |
| APG06.200.203.R100 | 2,0 | 20,3 | 6,2 | 1,0 | 5.95 | 3.95 | 2.95 | 23,0 | 1.8 | 6 | 35,00 € |
| APG06.200.254.R100 | 2,0 | 25.4 | 6,2 | 1,0 | 5.95 | 3.95 | 2.95 | 28,0 | 1.8 | 6 | 36,00 € |
| APG07.100.305.R050 | 1,0 | 30,5 | 7,2 | 0,5 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 42,00 € |
| APG07.117.305.R0585 | 1,17 | 30,5 | 7,2 | 0,585 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 43,00 € |
| APG07.150.305.R075 | 1,5 | 30,5 | 7,2 | 0,75 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 42,00 € |
| APG07.1574.305.R0787 | 1,574 | 30,5 | 7,2 | 0,787 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 43,00 € |
| APG07.1626.305.R0813 | 1,626 | 30,5 | 7,2 | 0,813 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 43,00 € |
| APG07.198.305.R099 | 1,98 | 30,5 | 7,2 | 0,99 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 43,00 € |
| APG07.200.305.R100 | 2,0 | 30,5 | 7,2 | 1,0 | 6,95 | 4,25 | 3,45 | 33,0 | 2,5 | 7 | 41,00 € |

## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

**MINI CUT THREADING**



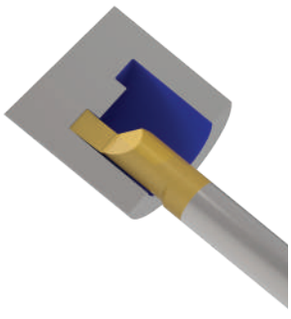



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* PITCH Min. | PITCH Max. | L2 | ØDmin | a | d | f | LH | S | t | w | ØD | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APT.04.152.050 | 0,5 | 0,7 | 15,2 | 4,2 | 3,95 | 2,95 | 1,95 | 18,0 | 0,35 | 0,4 | 0,06 | 4 | 28,00 € |
| APT.04.152.080 | 0,5 | 1,0 | 15,2 | 3,9 | 3,65 | 2,7 | 1,95 | 18,0 | 0,45 | 0,46 | 0,1 | 4 | 27,00 € |
| APT.05.152.050 | 0,5 | 0,75 | 15,2 | 5,2 | 4,95 | 3,75 | 2,45 | 18,0 | 0,35 | 0,43 | 0,06 | 5 | 27,00 € |
| APT.05.152.075 | 0,75 | 1,0 | 15,2 | 5,1 | 4,85 | 3,65 | 2,40 | 18,0 | 0,45 | 0,57 | 0,09 | 5 | 27,00 € |
| APT.05.152.100 | 1,0 | 1,25 | 15,2 | 4,8 | 4,55 | 3,55 | 2,25 | 18,0 | 0,55 | 0,7 | 0,12 | 5 | 27,00 € |
| APT.05.203.100 | 1,0 | 1,25 | 20,3 | 4,8 | 4,55 | 3,55 | 2,25 | 23,0 | 0,55 | 0,7 | 0,12 | 5 | 31,00 € |
| APT.05.254.100 | 1,0 | 1,25 | 25,4 | 4,8 | 4,55 | 3,55 | 2,25 | 28,0 | 0,55 | 0,7 | 0,12 | 5 | 36,00 € |
| APT.06.152.125 | 1,0 | 1,25 | 15,2 | 6,2 | 5,95 | 3,95 | 2,95 | 18,0 | 0,55 | 0,7 | 0,12 | 6 | 27,00 € |
| APT.06.152.150 | 1,25 | 1,5 | 15,2 | 6,2 | 5,95 | 3,95 | 2,95 | 18,0 | 0,75 | 0,84 | 0,16 | 6 | 28,00 € |
| APT.06.152.175 | 1,5 | 1,75 | 15,2 | 6,2 | 5,95 | 3,95 | 2,95 | 18,0 | 0,8 | 0,98 | 0,18 | 6 | 28,00 € |
| APT.06.203.125 | 1,25 | 1,5 | 20,3 | 6,2 | 5,95 | 3,95 | 2,95 | 23,0 | 0,75 | 0,84 | 0,16 | 6 | 32,00 € |
| APT.06.203.175 | 1,5 | 1,75 | 20,3 | 6,2 | 5,95 | 3,95 | 2,95 | 23,0 | 0,8 | 0,98 | 0,18 | 6 | 32,00 € |
| APT.06.254.125 | 1,25 | 1,5 | 25,4 | 6,2 | 5,95 | 3,95 | 2,95 | 28,0 | 0,75 | 0,84 | 0,16 | 6 | 36,00 € |
| APT.06.254.175 | 1,5 | 1,75 | 25,4 | 6,2 | 5,95 | 3,95 | 2,95 | 28,0 | 0,8 | 0,98 | 0,18 | 6 | 36,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. APG04.100.152.R050

## MINI CUT TOOLS / *MINI CUT WERKZEUGE*

MINI CUT FACE GROOVING



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* W | L2 | R | f | LH | tmax | ØD | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| APFG.06.150.1000 | 1,0 | 15,2 | 0,05 | 2,95 | 18,0 | 2,0 | 6 | 39,00 € |
| APFG.06.150.1500 | 1,5 | 15,2 | 0,05 | 2,95 | 18,0 | 3,0 | 6 | 39,00 € |
| APFG.06.150.0787 | 0,787 | 15,2 | 0,05 | 2,95 | 18,0 | 1,8 | 6 | 39,00 € |
| APFG.06.152.1000 | 1,0 | 15,2 | 0,15 | 2,95 | 18,0 | 2,0 | 6 | 37,00 € |
| APFG.06.152.1168 | 1,168 | 15,2 | 0,15 | 2,95 | 18,0 | 2,34 | 6 | 38,00 € |
| APFG.06.152.1500 | 1,5 | 15,2 | 0,15 | 2,95 | 18,0 | 3,0 | 6 | 37,00 € |
| APFG.06.152.1575 | 1,575 | 15,2 | 0,15 | 2,95 | 18,0 | 3,15 | 6 | 38,00 € |
| APFG.06.152.1981 | 1,981 | 15,2 | 0,15 | 2,95 | 18,0 | 3,95 | 6 | 39,00 € |
| APFG.06.152.2000 | 2,0 | 15,2 | 0,15 | 2,95 | 18,0 | 4,0 | 6 | 36,00 € |
| APFG.06.152.2388 | 2,388 | 15,2 | 0,15 | 2,95 | 18,0 | 5,0 | 6 | 37,00 € |
| APFG.06.152.2500 | 2,5 | 15,2 | 0,15 | 2,95 | 18,0 | 5,0 | 6 | 36,00 € |
| APFG.06.152.3000 | 3,0 | 15,2 | 0,15 | 2,95 | 18,0 | 6,0 | 6 | 36,00 € |
| APFG.06.152.3175 | 3,175 | 15,2 | 0,15 | 2,95 | 18,0 | 6,0 | 6 | 39,00 € |

### SPECIAL MINI CUT TOOLS

## RING INSERTS / *RINGEINSÄTZE*

| CODE / *TYP* | INSERT DIMENSION (mm) *MAß* IC | W | R | T | PRICE / PREIS |
|---|---|---|---|---|---|
| ASK-125-13 | 13 | 1.25 | 0.2 | 1.3 | 35,00 € |
| ASK-135-13 | 13 | 1.35 | 0.2 | 1.3 | 35,00 € |
| ASK-145-13 | 13 | 1.45 | 0.2 | 1.3 | 35,00 € |
| ASK-150-13 | 13 | 1.5 | 0.2 | 1.3 | 35,00 € |
| ASK-165-18 | 13 | 1.65 | 0.2 | 1.8 | 35,00 € |
| ASK-175-18 | 13 | 1.75 | 0.2 | 1.8 | 35,00 € |
| ASK-185-23 | 13 | 1.85 | 0.2 | 2.3 | 35,00 € |
| ASK-200-23 | 13 | 2 | 0.2 | 2.3 | 35,00 € |
| ASK-220-33 | 13 | 2.2 | 0.2 | 3.3 | 35,00 € |
| ASK-230-33 | 13 | 2.3 | 0.2 | 3.3 | 35,00 € |
| ASK-250-33 | 13 | 2.5 | 0.3 | 3.3 | 35,00 € |
| ASK-265-33 | 13 | 2.65 | 0.3 | 3.3 | 35,00 € |
| ASK-270-33 | 13 | 2.7 | 0.3 | 3.3 | 35,00 € |
| ASK-280-33 | 13 | 2.8 | 0.3 | 3.3 | 35,00 € |
| ASK-300-33 | 13 | 3 | 0.3 | 3.3 | 35,00 € |
| ASK-320-33 | 13 | 3.2 | 0.3 | 3.3 | 35,00 € |
| ASK-330-33 | 13 | 3.3 | 0.3 | 3.3 | 35,00 € |
| ASK-350-38 | 13 | 3.5 | 0.3 | 3.8 | 35,00 € |
| ASK-370-38 | 13 | 3.7 | 0.3 | 3.8 | 35,00 € |
| ASK-390-38 | 13 | 3.9 | 0.3 | 3.8 | 35,00 € |
| ASK-400-38 | 13 | 4 | 0.3 | 3.8 | 35,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. APFG.06.150.1000

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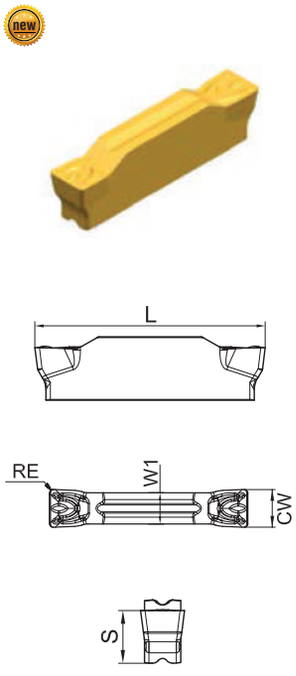
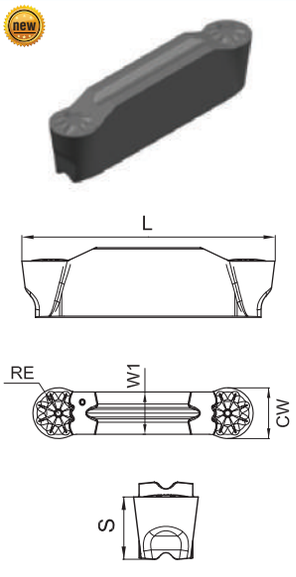
## GROOVING INSERT / *STECHPLATTEN*

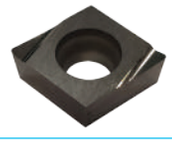



| | PRICE / PREIS |
|---|---|
| AGD2002-MT-AA4230 | 10,00 € |
| AGD2002-MT-AK1115 | 10,00 € |
| AGD2002-MT-AP1225 | 10,00 € |
| AGD2502-MT-AA4230 | 10,00 € |
| AGD2502-MT-AK1115 | 10,00 € |
| AGD2502-MT-AP1225 | 10,00 € |
| AGD3004-MT-AA4230 | 11,00 € |
| AGD3004-MT-AK1115 | 11,00 € |
| AGD3004-MT-AP1225 | 11,00 € |
| AGD4004-MT-AA4230 | 12,00 € |
| AGD4004-MT-AK1115 | 12,00 € |
| AGD4004-MT-AP1225 | 12,00 € |
| AGD5004-MT-AA4230 | 14,00 € |
| AGD5008-MT-AA4230 | 14,00 € |
| AGD5008-MT-AK1115 | 14,00 € |
| AGD5008-MT-AP1225 | 14,00 € |
| AGD6008-MT-AA4230 | 17,00 € |
| AGD6008-MT-AK1115 | 17,00 € |
| AGD8008-MT-AK1115 | 32,00 € |

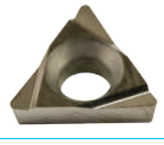



| | PRICE / PREIS |
|---|---|
| AGD2010-MR-AA4230 | 10,00 € |
| AGD2010-MR-AK1115 | 10,00 € |
| AGD2010-MR-AP1225 | 10,00 € |
| AGD3015-MR-AA4230 | 11,00 € |
| AGD3015-MR-AK1115 | 11,00 € |
| AGD3015-MR-AP1225 | 11,00 € |
| AGD4020-MR-AA4230 | 12,00 € |
| AGD4020-MR-AK1115 | 12,00 € |
| AGD4020-MR-AP1225 | 12,00 € |
| AGD5025-MR-AA4230 | 14,00 € |
| AGD5025-MR-AK1115 | 14,00 € |
| AGD5025-MR-AP1225 | 14,00 € |
| AGD6030-MR-AA4230 | 17,00 € |
| AGD6030-MR-AK1115 | 17,00 € |
| AGD6030-MR-AP1225 | 17,00 € |
| AGD8040-MR-AA4230 | 32,00 € |

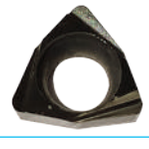
## ADJUSTABLE BORING INSERTS / *EINSTELLBARE WENDESCHNEIDPLATTEN FÜR SPINDELKÖPFE*



| | PRICE / PREIS |
|---|---|
| CCGT 09T302L-AC1020 | 8,00 € |
| CCGT 09T304L-AC1020 | 8,00 € |



| | PRICE / PREIS |
|---|---|
| TPGH 09T0202L-AC1020 | 8,00 € |
| TPGH 09T0204L-AC1020 | 8,00 € |



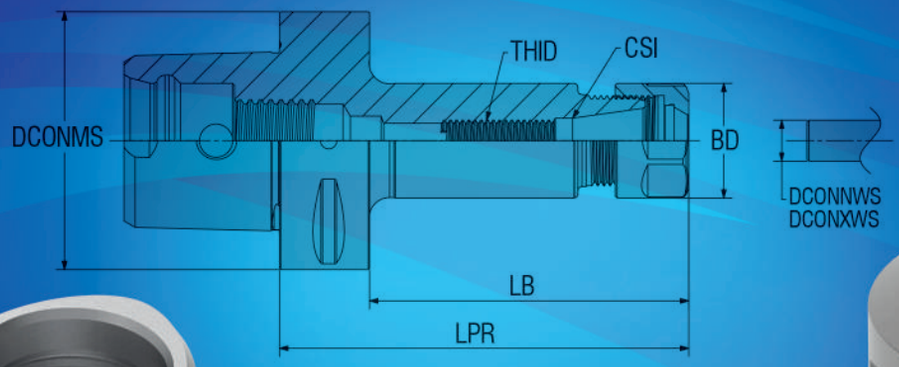
| | PRICE / PREIS |
|---|---|
| WCGT 020102L-AC1020 | 9,00 € |
| WCGT 020104L-AC1020 | 9,00 € |

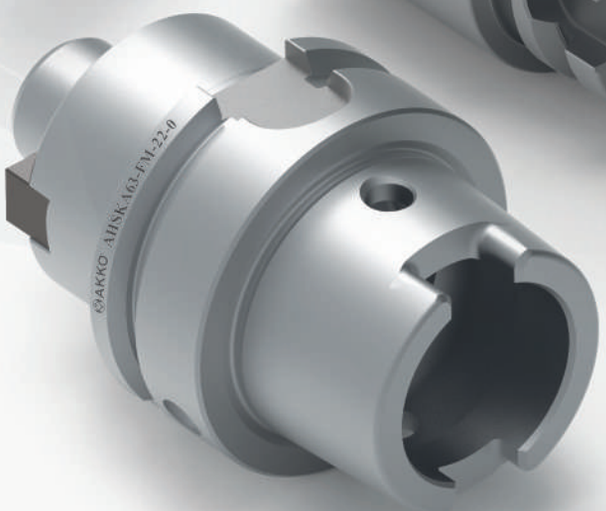
Ordering Example /*Beispiel Bestellformular:* 1pcs. AGD2002-MT-AA4230

| DRILLING INSERT / *WENDESCHNEIDPLATTE FÜR BOHRER* | PRICE / PREIS |
|---|---|
| SPMX050204-VG3002 | 7,00 € |
| SPMX060204-VG3002 | 7,00 € |
| SPMX07T308-VG3002 | 7,00 € |
| SPMX090408-VG3002 | 9,00 € |
| SPMX110408-VG3002 | 9,00 € |
| SPMX140512-VG3002 | 11,00 € |
| WCMX030208-VG3002 | 6,00 € |
| WCMX040208-VG3002 | 6,00 € |
| WCMX050308-VG3002 | 6,00 € |
| WCMX06T308-VG3002 | 7,00 € |
| WCMX080412-VG3002 | 8,00 € |

Ordering Example / *Beispiel Bestellformular:* 1pcs. SPMX050204-VG3002

**konuşulan**
**the spoken** kalite...
quality...



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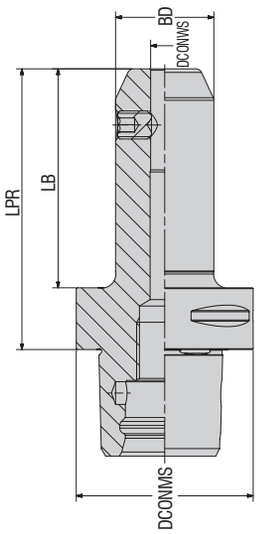
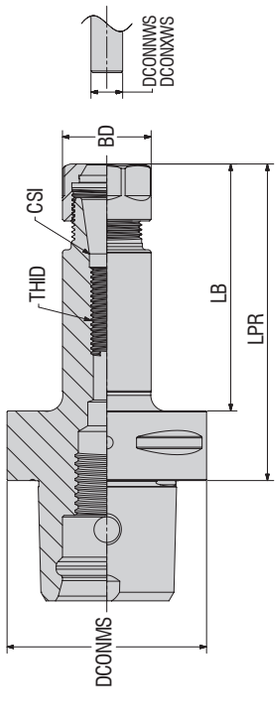
## ISO 26623-1 / CAPTO END MILL HOLDER / *CAPTO FRÄSERAUFNAHMEN*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|
| | DCONMS | DCONWS | LPR | BD | LB | CRKS | |
| AC3-EM-06-045 | 32 | 06 | 45 | 25 | 30 | M12 | 205,00 € |
| AC3-EM-08-045 | 32 | 08 | 45 | 28 | 30 | M12 | 205,00 € |
| AC3-EM-10-050 | 32 | 10 | 50 | 34 | 35 | M12 | 205,00 € |
| AC3-EM-12-055 | 32 | 12 | 55 | 42 | 40 | M12 | 205,00 € |
| AC4-EM-06-050 | 40 | 06 | 50 | 25 | 30 | M14 | 223,00 € |
| AC4-EM-08-050 | 40 | 08 | 50 | 28 | 30 | M14 | 223,00 € |
| AC4-EM-10-050 | 40 | 10 | 50 | 35 | 30 | M14 | 223,00 € |
| AC4-EM-12-055 | 40 | 12 | 55 | 42 | 35 | M14 | 223,00 € |
| AC4-EM-14-055 | 40 | 14 | 55 | 44 | 35 | M14 | 223,00 € |
| AC4-EM-16-060 | 40 | 16 | 60 | 48 | 40 | M14 | 223,00 € |
| AC5-EM-06-050 | 50 | 06 | 50 | 25 | 30 | M16 | 230,00 € |
| AC5-EM-08-050 | 50 | 08 | 50 | 28 | 30 | M16 | 230,00 € |
| AC5-EM-10-055 | 50 | 10 | 55 | 35 | 35 | M16 | 230,00 € |
| AC5-EM-12-060 | 50 | 12 | 60 | 42 | 40 | M16 | 230,00 € |
| AC5-EM-14-060 | 50 | 14 | 60 | 44 | 40 | M16 | 230,00 € |
| AC5-EM-16-060 | 50 | 16 | 60 | 48 | 40 | M16 | 230,00 € |
| AC5-EM-18-060 | 50 | 18 | 60 | 50 | 40 | M16 | 230,00 € |
| AC5-EM-20-060 | 50 | 20 | 60 | 52 | 40 | M16 | 230,00 € |
| AC5-EM-25-080 | 50 | 25 | 80 | 65 | 60 | M16 | 230,00 € |
| AC6-EM-06-075 | 63 | 06 | 75 | 25 | 53 | M20 | 250,00 € |
| AC6-EM-06-100 | 63 | 06 | 100 | 25 | 78 | M20 | 253,00 € |
| AC6-EM-08-075 | 63 | 08 | 75 | 28 | 53 | M20 | 250,00 € |
| AC6-EM-08-100 | 63 | 08 | 100 | 28 | 78 | M20 | 253,00 € |
| AC6-EM-10-075 | 63 | 08 | 75 | 35 | 53 | M20 | 250,00 € |
| AC6-EM-10-100 | 63 | 10 | 100 | 35 | 78 | M20 | 253,00 € |
| AC6-EM-12-065 | 63 | 10 | 65 | 42 | 43 | M20 | 246,00 € |
| AC6-EM-12-080 | 63 | 10 | 80 | 42 | 58 | M20 | 250,00 € |
| AC6-EM-14-065 | 63 | 12 | 65 | 44 | 43 | M20 | 246,00 € |
| AC6-EM-14-100 | 63 | 12 | 100 | 44 | 78 | M20 | 253,00 € |
| AC6-EM-16-065 | 63 | 12 | 65 | 48 | 43 | M20 | 246,00 € |
| AC6-EM-16-085 | 63 | 14 | 85 | 48 | 63 | M20 | 250,00 € |
| AC6-EM-16-100 | 63 | 14 | 100 | 48 | 78 | M20 | 253,00 € |
| AC6-EM-18-065 | 63 | 16 | 65 | 50 | 43 | M20 | 246,00 € |
| AC6-EM-20-065 | 63 | 16 | 65 | 52 | 43 | M20 | 246,00 € |
| AC6-EM-20-100 | 63 | 20 | 100 | 52 | 78 | M20 | 253,00 € |
| AC6-EM-25-080 | 63 | 25 | 80 | 63 | 58 | M20 | 246,00 € |
| AC6-EM-32-090 | 63 | 32 | 90 | 72 | 68 | M20 | 246,00 € |
| AC6-EM-40-100 | 63 | 40 | 100 | 79 | 78 | M20 | 246,00 € |
| AC8-EM-06-070 | 80 | 06 | 70 | 25 | 40 | M20 | 281,00 € |
| AC8-EM-08-070 | 80 | 08 | 70 | 28 | 40 | M20 | 281,00 € |
| AC8-EM-10-070 | 80 | 10 | 70 | 35 | 40 | M20 | 281,00 € |
| AC8-EM-12-070 | 80 | 12 | 70 | 42 | 40 | M20 | 281,00 € |
| AC8-EM-14-070 | 80 | 14 | 70 | 44 | 40 | M20 | 281,00 € |
| AC8-EM-16-070 | 80 | 16 | 70 | 48 | 40 | M20 | 281,00 € |
| AC8-EM-18-070 | 80 | 18 | 70 | 50 | 40 | M20 | 281,00 € |
| AC8-EM-20-070 | 80 | 20 | 70 | 52 | 40 | M20 | 281,00 € |
| AC8-EM-25-090 | 80 | 25 | 90 | 65 | 60 | M20 | 288,00 € |
| AC8-EM-32-100 | 80 | 32 | 100 | 72 | 70 | M20 | 288,00 € |
| AC8-EM-40-110 | 80 | 40 | 110 | 80 | 80 | M20 | 288,00 € |
| AC8-EM-50-120 | 80 | 50 | 120 | 100 | 90 | M20 | 288,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. AC3-EM-06-045

## ISO 26623-1 / CAPTO COLLET CHUCKS ER / *CAPTO SPANNFUTTER ER*

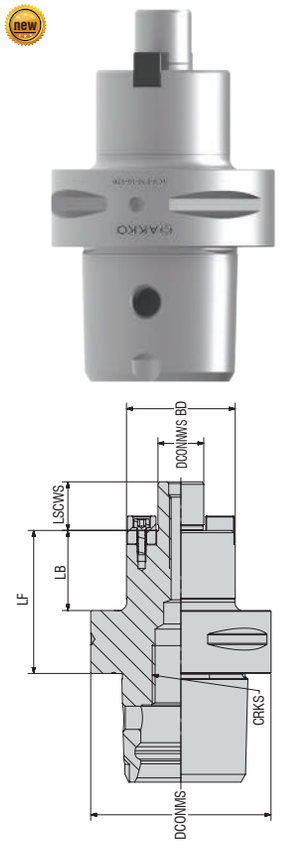



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|
| | DCONMS | CSI | DCONWS | DCONXWS | BD | LPR | LB | THID | |
| AC3-ER-16-045 | 32 | ER16 | 1.0 | 10 | 28 | 45 | 30 | M10 | 185,00 € |
| AC4-ER-16-070 | 40 | ER16 | 1.0 | 10 | 28 | 70 | 50 | M10 | 185,00 € |
| AC4-ER-25-055 | 40 | ER25 | 1.0 | 16 | 42 | 55 | 35 | M16 | 185,00 € |
| AC4-ER-32-055 | 40 | ER32 | 2.0 | 20 | 50 | 55 | 35 | M16 | 185,00 € |
| AC4-ER-16-070-M | 40 | ER16 | 0.5 | 10 | 22 | 70 | 50 | M10 | 202,00 € |
| AC5-ER-16-055 | 50 | ER16 | 1.0 | 10 | 28 | 55 | 35 | M10 | 198,00 € |
| AC5-ER-16-100 | 50 | ER16 | 1.0 | 10 | 28 | 100 | 80 | M10 | 232,00 € |
| AC5-ER-16-130 | 50 | ER16 | 1.0 | 10 | 28 | 130 | 110 | M10 | 250,00 € |
| AC5-ER-16-100-M | 50 | ER16 | 0.5 | 10 | 22 | 100 | 80 | M10 | 253,00 € |
| AC5-ER-16-130-M | 50 | ER16 | 0.5 | 10 | 22 | 130 | 110 | M10 | 275,00 € |
| AC5-ER-25-055 | 50 | ER25 | 1.0 | 16 | 42 | 55 | 35 | M16 | 198,00 € |
| AC5-ER-25-100 | 50 | ER25 | 1.0 | 16 | 42 | 100 | 80 | M16 | 232,00 € |
| AC5-ER-32-055 | 50 | ER32 | 2.0 | 20 | 50 | 55 | 35 | M16 | 198,00 € |
| AC5-ER-32-100 | 50 | ER32 | 2.0 | 20 | 50 | 100 | 80 | M16 | 232,00 € |
| AC6-ER-16-060 | 63 | ER16 | 1.0 | 10 | 28 | 60 | 38 | M10 | 198,00 € |
| AC6-ER-16-100 | 63 | ER16 | 1.0 | 10 | 28 | 100 | 78 | M10 | 232,00 € |
| AC6-ER-16-130 | 63 | ER16 | 1.0 | 10 | 28 | 130 | 108 | M10 | 250,00 € |
| AC6-ER-16-100-M | 63 | ER16 | 0.5 | 10 | 22 | 100 | 78 | M10 | 253,00 € |
| AC6-ER-16-130-M | 63 | ER16 | 0.5 | 10 | 22 | 130 | 108 | M10 | 271,00 € |
| AC6-ER-25-060 | 63 | ER25 | 1.0 | 16 | 42 | 60 | 38 | M16 | 198,00 € |
| AC6-ER-25-100 | 63 | ER25 | 1.0 | 16 | 42 | 100 | 78 | M16 | 232,00 € |
| AC6-ER-25-130 | 63 | ER25 | 1.0 | 16 | 42 | 130 | 108 | M16 | 250,00 € |
| AC6-ER-32-060 | 63 | ER32 | 2.0 | 20 | 50 | 60 | 38 | M16 | 198,00 € |
| AC6-ER-32-100 | 63 | ER32 | 2.0 | 20 | 50 | 100 | 78 | M16 | 232,00 € |
| AC6-ER-32-130 | 63 | ER32 | 2.0 | 20 | 50 | 130 | 108 | M16 | 250,00 € |
| AC6-ER-40-065 | 63 | ER40 | 3.0 | 26 | 63 | 65 | 43 | M16 | 211,00 € |
| AC6-ER-40-100 | 63 | ER40 | 3.0 | 26 | 63 | 100 | 78 | M16 | 246,00 € |
| AC6-ER-40-130 | 63 | ER40 | 3.0 | 26 | 63 | 130 | 108 | M16 | 263,00 € |
| AC8-ER-32-070 | 80 | ER32 | 2.0 | 20 | 50 | 70 | 40 | M16 | 260,00 € |
| AC8-ER-32-100 | 80 | ER32 | 2.0 | 20 | 50 | 100 | 70 | M16 | 286,00 € |
| AC8-ER-32-160 | 80 | ER32 | 2.0 | 20 | 50 | 160 | 130 | M16 | 327,00 € |
| AC8-ER-40-070 | 80 | ER40 | 3.0 | 26 | 63 | 70 | 40 | M16 | 260,00 € |
| AC8-ER-40-100 | 80 | ER40 | 3.0 | 26 | 63 | 100 | 70 | M16 | 286,00 € |
| AC8-ER-40-160 | 80 | ER40 | 3.0 | 26 | 63 | 160 | 130 | M16 | 327,00 € |

"M" Mini Type

Ordering Example / *Beispiel Bestellformular:* 1pcs. AC3-ER-16-045

## ISO 26623-1 / CAPTO SHELL MILL HOLDER / *CAPTO AUFSTECKFRÄSERDORNE*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| | DCONMS | DCONWS | BD | LSCWS | LB | LF | CRKS | |
| AC3-FM-16-030 | 32 | 16 | 38 | 17 | 15 | 30 | M12 | 215,00 € |
| AC4-FM-16-035 | 40 | 16 | 38 | 17 | 15 | 35 | M14 | 220,00 € |
| AC4-FM-22-040 | 40 | 22 | 48 | 19 | 20 | 40 | M14 | 220,00 € |
| AC5-FM-16-035 | 50 | 16 | 38 | 17 | 15 | 35 | M16 | 220,00 € |
| AC5-FM-16-070 | 50 | 16 | 36 | 17 | 50 | 70 | M16 | 233,00 € |
| AC5-FM-22-040 | 50 | 22 | 48 | 19 | 20 | 40 | M16 | 220,00 € |
| AC5-FM-22-070 | 50 | 22 | 48 | 19 | 50 | 70 | M16 | 233,00 € |
| AC5-FM-27-040 | 50 | 27 | 60 | 21.5 | 20 | 40 | M16 | 220,00 € |
| AC6-FM-16-050 | 63 | 16 | 38 | 17 | 28 | 50 | M20 | 226,00 € |
| AC6-FM-16-100 | 63 | 16 | 38 | 17 | 78 | 100 | M20 | 278,00 € |
| AC6-FM-22-050 | 63 | 22 | 48 | 19 | 28 | 50 | M20 | 226,00 € |
| AC6-FM-22-100 | 63 | 22 | 48 | 19 | 78 | 100 | M20 | 278,00 € |
| AC6-FM-27-050 | 63 | 27 | 60 | 21.5 | 28 | 50 | M20 | 226,00 € |
| AC6-FM-27-100 | 63 | 27 | 60 | 21.5 | 78 | 100 | M20 | 278,00 € |
| AC6-FM-32-060 | 63 | 32 | 78 | 24 | 38 | 60 | M20 | 226,00 € |
| AC8-FM-27-100 | 80 | 27 | 60 | 21.5 | 70 | 100 | M20 | 326,00 € |
| AC8-FM-32-100 | 80 | 32 | 78 | 24 | 70 | 100 | M20 | 326,00 € |
| AC8-FM-40-060 | 80 | 40 | 88 | 27 | 30 | 60 | M20 | 285,00 € |

## ISO 26623-1 / CAPTO TOOLHOLDER AXIAL / *CAPTO WERKZEUGHALTER AXIAL*

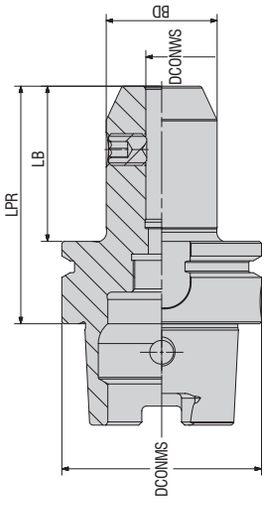
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DCONMS | LPR | LSCWS | LF | WF | H | WSC | OAH | RADW | OAW | BD | ECA | HAND | |
| AC4-ASHR-16-1 | 40 | 104 | 70 | 34 | 7 | 16 | 16 | 50 | 23 | 43.5 | 60 | 30 | R | 199,00 € |
| AC5-ASHR-20-1 | 50 | 98 | 63.5 | 24.5 | 10 | 20 | 20 | 78 | 30 | 59 | 90 | 30 | R | 236,00 € |
| AC6-ASHR-20-1 | 63 | 100 | 63.5 | 26.5 | 10 | 20 | 20 | 74 | 30 | 59 | 90 | 30 | R | 269,00 € |
| AC6-ASHR-25-1 | 63 | 120 | 70 | 30 | 13 | 25 | 25 | 82 | 38 | 70 | 100 | 27 | R | 269,00 € |
| AC8-ASHR-32-1 | 80 | 140 | 90 | 40 | 8 | 32 | 32 | 87 | 40 | 80 | 109 | 27 | R | 315,00 € |

## ISO 26623-1 / CAPTO EXTENSION / *CAPTO SCHRUMPFVERLÄNGERUNGEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | PRICE / PREIS |
|---|---|---|---|---|---|
| | DCONMS | DCONWS | LPR | CRKS | |
| AC6-EX-C6-100 | 63 | 63 | 100 | M20 | 312,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. AC3-FM-16-030

## ISO 12164-1 / HSK END MILL HOLDER / *HSK FRÄSERAUFNAHMEN*



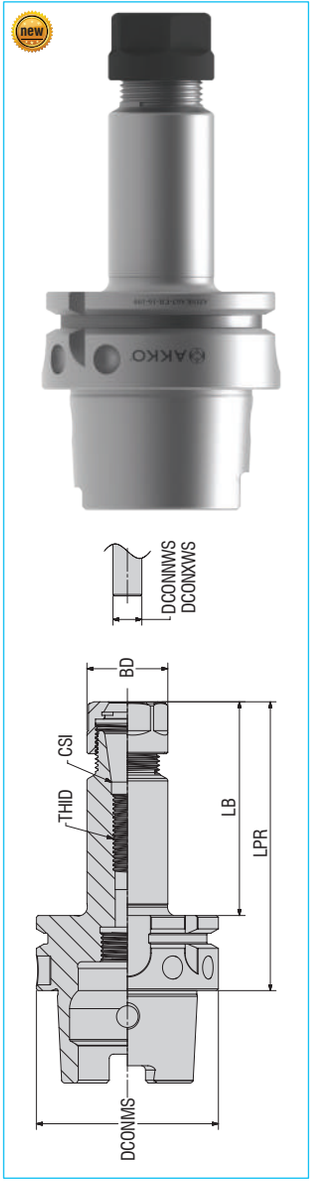

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|
| | DCONMS | DCONWS | LPR | BD | BD2 | LB | |
| AHSKA32-EM-06-060 | 32 | 06 | 60 | 25 | - | 40 | 129,00 € |
| AHSKA32-EM-08-060 | 32 | 08 | 60 | 28 | 25 | 40 | 129,00 € |
| AHSKA32-EM-10-065 | 32 | 10 | 65 | 34 | 25 | 45 | 129,00 € |
| AHSKA32-EM-12-065 | 32 | 12 | 65 | 42 | 25 | 45 | 129,00 € |
| AHSKA40-EM-06-060 | 40 | 06 | 60 | 25 | - | 40 | 115,00 € |
| AHSKA40-EM-08-060 | 40 | 08 | 60 | 28 | - | 40 | 115,00 € |
| AHSKA40-EM-10-060 | 40 | 10 | 60 | 35 | 32.6 | 40 | 115,00 € |
| AHSKA40-EM-12-070 | 40 | 12 | 70 | 42 | 32.6 | 50 | 115,00 € |
| AHSKA40-EM-16-075 | 40 | 16 | 75 | 48 | 32.6 | 55 | 115,00 € |
| AHSKA50-EM-06-065 | 50 | 06 | 65 | 25 | - | 39 | 115,00 € |
| AHSKA50-EM-08-065 | 50 | 08 | 65 | 28 | - | 39 | 115,00 € |
| AHSKA50-EM-10-065 | 50 | 10 | 65 | 35 | - | 39 | 115,00 € |
| AHSKA50-EM-12-080 | 50 | 12 | 80 | 42 | 41.6 | 54 | 115,00 € |
| AHSKA50-EM-14-080 | 50 | 14 | 80 | 44 | 41.6 | 54 | 115,00 € |
| AHSKA50-EM-16-080 | 50 | 16 | 80 | 48 | 41.6 | 54 | 115,00 € |
| AHSKA50-EM-18-080 | 50 | 18 | 80 | 50 | 41.6 | 54 | 115,00 € |
| AHSKA50-EM-20-080 | 50 | 20 | 80 | 52 | 41.6 | 54 | 115,00 € |
| AHSKA63-EM-06-075 | 63 | 06 | 75 | 25 | - | 49 | 103,00 € |
| AHSKA63-EM-06-100 | 63 | 06 | 100 | 25 | - | 74 | 121,00 € |
| AHSKA63-EM-06-160 | 63 | 06 | 160 | 25 | - | 134 | 159,00 € |
| AHSKA63-EM-08-075 | 63 | 08 | 75 | 28 | - | 49 | 96,00 € |
| AHSKA63-EM-08-100 | 63 | 08 | 100 | 28 | - | 74 | 121,00 € |
| AHSKA63-EM-08-160 | 63 | 08 | 160 | 28 | - | 134 | 159,00 € |
| AHSKA63-EM-10-075 | 63 | 10 | 75 | 35 | - | 49 | 96,00 € |
| AHSKA63-EM-10-100 | 63 | 10 | 100 | 35 | - | 74 | 121,00 € |
| AHSKA63-EM-10-160 | 63 | 10 | 160 | 35 | - | 134 | 159,00 € |
| AHSKA63-EM-12-080 | 63 | 12 | 80 | 42 | - | 54 | 96,00 € |
| AHSKA63-EM-12-130 | 63 | 12 | 130 | 42 | - | 104 | 159,00 € |
| AHSKA63-EM-14-080 | 63 | 14 | 80 | 44 | - | 54 | 96,00 € |
| AHSKA63-EM-14-130 | 63 | 14 | 130 | 44 | - | 104 | 159,00 € |
| AHSKA63-EM-16-080 | 63 | 16 | 80 | 48 | - | 54 | 96,00 € |
| AHSKA63-EM-16-130 | 63 | 16 | 130 | 48 | - | 104 | 159,00 € |
| AHSKA63-EM-18-080 | 63 | 18 | 80 | 50 | - | 54 | 96,00 € |
| AHSKA63-EM-20-080 | 63 | 20 | 80 | 52 | - | 54 | 96,00 € |
| AHSKA63-EM-20-130 | 63 | 20 | 130 | 52 | - | 104 | 159,00 € |
| AHSKA63-EM-25-110 | 63 | 25 | 110 | 64 | 52.8 | 84 | 106,00 € |
| AHSKA63-EM-32-110 | 63 | 32 | 110 | 72 | 52.8 | 84 | 115,00 € |
| AHSKA80-EM-06-080 | 80 | 06 | 80 | 25 | - | 54 | 153,00 € |
| AHSKA80-EM-08-080 | 80 | 08 | 80 | 28 | - | 54 | 153,00 € |
| AHSKA80-EM-10-080 | 80 | 10 | 80 | 35 | - | 54 | 153,00 € |
| AHSKA80-EM-12-080 | 80 | 12 | 80 | 42 | - | 54 | 153,00 € |
| AHSKA80-EM-14-080 | 80 | 14 | 80 | 44 | - | 54 | 153,00 € |
| AHSKA80-EM-16-100 | 80 | 16 | 100 | 48 | - | 74 | 153,00 € |
| AHSKA80-EM-18-100 | 80 | 18 | 100 | 50 | - | 74 | 153,00 € |
| AHSKA80-EM-20-100 | 80 | 20 | 100 | 52 | - | 74 | 153,00 € |
| AHSKA80-EM-25-100 | 80 | 25 | 100 | 65 | - | 74 | 171,00 € |
| AHSKA80-EM-32-110 | 80 | 32 | 110 | 72 | 67.6 | 84 | 181,00 € |
| AHSKA100-EM-06-080 | 100 | 06 | 80 | 25 | - | 51 | 138,00 € |
| AHSKA100-EM-06-160 | 100 | 06 | 160 | 25 | - | 131 | 189,00 € |
| AHSKA100-EM-08-080 | 100 | 08 | 80 | 28 | - | 51 | 136,00 € |
| AHSKA100-EM-08-160 | 100 | 08 | 160 | 28 | - | 131 | 184,00 € |
| AHSKA100-EM-10-080 | 100 | 10 | 80 | 35 | - | 51 | 136,00 € |
| AHSKA100-EM-10-160 | 100 | 10 | 160 | 35 | - | 131 | 184,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. AHSKA32-EM-06-060

## ISO 12164-1 / HSK END MILL HOLDER / *HSK FRÄSERAUFNAHMEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|
| | DCONMS | DCONWS | LPR | BD | BD2 | LB | |
| AHSKA100-EM-12-080 | 100 | 12 | 80 | 42 | - | 51 | 136,00 € |
| AHSKA100-EM-12-160 | 100 | 12 | 160 | 42 | - | 131 | 184,00 € |
| AHSKA100-EM-14-080 | 100 | 14 | 80 | 44 | - | 51 | 136,00 € |
| AHSKA100-EM-14-160 | 100 | 14 | 160 | 44 | - | 131 | 184,00 € |
| AHSKA100-EM-16-100 | 100 | 16 | 100 | 48 | - | 71 | 136,00 € |
| AHSKA100-EM-16-160 | 100 | 16 | 160 | 48 | - | 131 | 184,00 € |
| AHSKA100-EM-18-100 | 100 | 18 | 100 | 50 | - | 71 | 136,00 € |
| AHSKA100-EM-18-160 | 100 | 18 | 160 | 50 | - | 131 | 184,00 € |
| AHSKA100-EM-20-100 | 100 | 20 | 100 | 52 | - | 71 | 136,00 € |
| AHSKA100-EM-20-160 | 100 | 20 | 160 | 52 | - | 131 | 184,00 € |
| AHSKA100-EM-25-100 | 100 | 25 | 100 | 65 | - | 71 | 139,00 € |
| AHSKA100-EM-25-160 | 100 | 25 | 160 | 65 | - | 131 | 201,00 € |
| AHSKA100-EM-32-100 | 100 | 32 | 100 | 72 | - | 71 | 151,00 € |
| AHSKA100-EM-32-160 | 100 | 32 | 160 | 72 | - | 131 | 220,00 € |
| AHSKA100-EM-40-100 | 100 | 40 | 100 | 80 | - | 71 | 165,00 € |
| AHSKA100-EM-40-160 | 100 | 40 | 160 | 80 | - | 131 | 249,00 € |

## ISO 12164-1 / HSK COLLET CHUCKS ER / *HSK SPANNFUTTER ER*

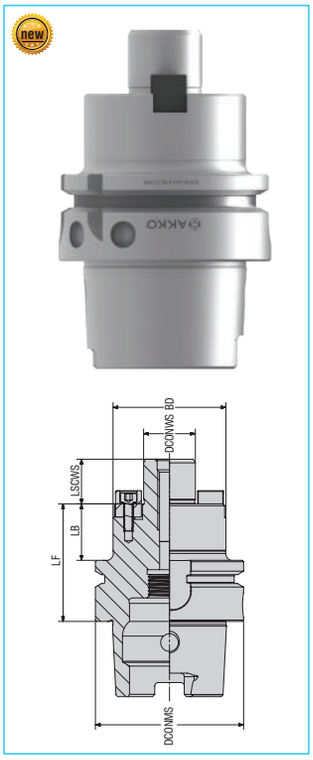



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|
| | DCONMS | CSI | DCONWS | DCONXWS | BD | LPR | LB | THID | |
| AHSKA32-ER-16-080 | 32 | ER16 | 32 | 10 | 28 | 80 | 48 | M10 | 112,00 € |
| AHSKA32-ER-25-080 | 32 | ER25 | 32 | 16 | 42 | 80 | 48 | M16 | 118,00 € |
| AHSKA40-ER-16-060 | 40 | ER16 | 40 | 10 | 28 | 60 | 40 | M10 | 102,00 € |
| AHSKA40-ER-16-100 | 40 | ER16 | 40 | 10 | 28 | 100 | 80 | M10 | 106,00 € |
| AHSKA40-ER-25-060 | 40 | ER25 | 40 | 16 | 42 | 60 | 40 | M16 | 102,00 € |
| AHSKA40-ER-25-100 | 40 | ER25 | 40 | 16 | 42 | 100 | 80 | M16 | 106,00 € |
| AHSKA40-ER-32-100 | 40 | ER32 | 40 | 20 | 50 | 100 | 80 | M16 | 106,00 € |
| AHSKA50-ER-16-100 | 50 | ER16 | 50 | 10 | 28 | 100 | 74 | M10 | 102,00 € |
| AHSKA50-ER-16-100-M | 50 | ER16 | 0.5 | 10 | 22 | 100 | 74 | M16 | 111,00 € |
| AHSKA50-ER-25-100 | 50 | ER25 | 1.0 | 16 | 42 | 100 | 74 | M16 | 102,00 € |
| AHSKA50-ER-32-100 | 50 | ER32 | 2.0 | 20 | 50 | 100 | 74 | M16 | 106,00 € |
| AHSKA63-ER-16-080 | 63 | ER16 | 0.5 | 10 | 28 | 80 | 54 | M10 | 102,00 € |
| AHSKA63-ER-16-100 | 63 | ER16 | 0.5 | 10 | 28 | 100 | 74 | M10 | 106,00 € |
| AHSKA63-ER-16-160 | 63 | ER16 | 0.5 | 10 | 28 | 160 | 134 | M10 | 130,00 € |
| AHSKA63-ER-16-100-M | 63 | ER16 | 0.5 | 10 | 22 | 100 | 71 | M10 | 118,00 € |
| AHSKA63-ER-16-160-M | 63 | ER16 | 0.5 | 10 | 22 | 100 | 71 | M10 | 144,00 € |
| AHSKA63-ER-25-100 | 63 | ER25 | 1.0 | 16 | 42 | 100 | 74 | M16 | 99,00 € |
| AHSKA63-ER-25-160 | 63 | ER25 | 1.0 | 16 | 42 | 160 | 134 | M16 | 133,00 € |
| AHSKA63-ER-32-075 | 63 | ER32 | 2.0 | 20 | 50 | 75 | 49 | M16 | 94,00 € |
| AHSKA63-ER-32-100 | 63 | ER32 | 2.0 | 20 | 50 | 100 | 74 | M16 | 103,00 € |
| AHSKA63-ER-32-160 | 63 | ER32 | 2.0 | 20 | 50 | 160 | 134 | M16 | 138,00 € |
| AHSKA63-ER-40-080 | 63 | ER40 | 3.0 | 26 | 63 | 80 | 54 | M16 | 99,00 € |
| AHSKA63-ER-40-100 | 63 | ER40 | 3.0 | 26 | 63 | 100 | 74 | M16 | 111,00 € |
| AHSKA63-ER-40-160 | 63 | ER40 | 3.0 | 26 | 63 | 160 | 134 | M16 | 142,00 € |
| AHSKA80-ER-32-100 | 80 | ER32 | 2.0 | 20 | 50 | 100 | 74 | M16 | 135,00 € |
| AHSKA80-ER-40-120 | 80 | ER40 | 3.0 | 26 | 63 | 120 | 94 | M16 | 139,00 € |
| AHSKA100-ER-16-100 | 100 | ER16 | 0.5 | 10 | 28 | 100 | 71 | M10 | 150,00 € |
| AHSKA100-ER-16-160 | 100 | ER16 | 0.5 | 10 | 28 | 160 | 131 | M10 | 210,00 € |
| AHSKA100-ER-25-100 | 100 | ER25 | 1.0 | 16 | 42 | 100 | 71 | M16 | 132,00 € |
| AHSKA100-ER-25-160 | 100 | ER25 | 1.0 | 16 | 42 | 160 | 131 | M16 | 184,00 € |
| AHSKA100-ER-32-100 | 100 | ER32 | 2.0 | 20 | 50 | 100 | 71 | M16 | 138,00 € |
| AHSKA100-ER-32-160 | 100 | ER32 | 2.0 | 20 | 50 | 160 | 131 | M16 | 184,00 € |
| AHSKA100-ER-40-100 | 100 | ER40 | 3.0 | 26 | 63 | 100 | 71 | M16 | 144,00 € |
| AHSKA100-ER-40-160 | 100 | ER40 | 3.0 | 26 | 63 | 160 | 131 | M16 | 195,00 € |

"M" Mini Type

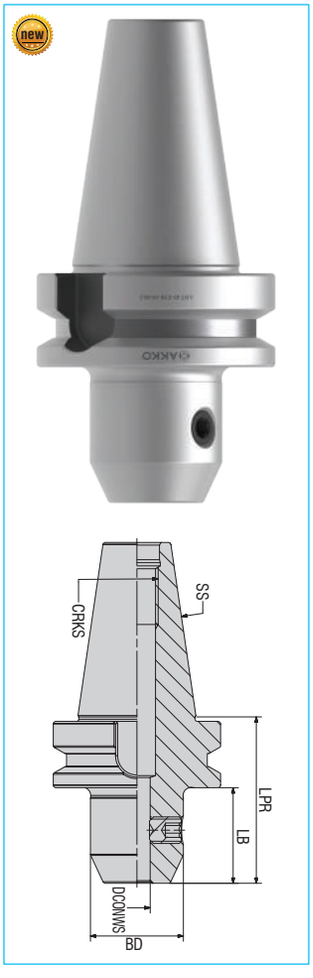
Ordering Example / *Beispiel Bestellformular:* 1pcs. AHSKA100-EM-12-080

## ISO 12164-1 / HSK SHELL MILL HOLDER / *HSK AUFSTECKFRÄSERDORNE*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|
| | DCONMS | DCONWS | BD | LF | LSCWS | LB | |
| AHSKA50-FM-16-100 | 50 | 16 | 38 | 100 | 17 | 74 | 127,00 € |
| AHSKA50-FM-22-060 | 50 | 22 | 48 | 60 | 19 | 34 | 112,00 € |
| AHSKA50-FM-22-100 | 50 | 22 | 48 | 100 | 19 | 74 | 127,00 € |
| AHSKA50-FM-27-060 | 50 | 27 | 60 | 60 | 21.5 | 34 | 135,00 € |
| AHSKA50-FM-32-060 | 50 | 32 | 78 | 60 | 24 | 34 | 135,00 € |
| AHSKA63-FM-16-050 | 63 | 16 | 38 | 50 | 17 | 24 | 117,00 € |
| AHSKA63-FM-16-100 | 63 | 16 | 38 | 100 | 17 | 74 | 135,00 € |
| AHSKA63-FM-22-050 | 63 | 22 | 48 | 50 | 19 | 24 | 117,00 € |
| AHSKA63-FM-22-100 | 63 | 22 | 48 | 100 | 19 | 74 | 135,00 € |
| AHSKA63-FM-27-060 | 63 | 27 | 60 | 60 | 21.5 | 34 | 117,00 € |
| AHSKA63-FM-27-100 | 63 | 27 | 60 | 100 | 21.5 | 74 | 135,00 € |
| AHSKA63-FM-32-060 | 63 | 32 | 78 | 60 | 24 | 34 | 124,00 € |
| AHSKA63-FM-32-100 | 63 | 32 | 78 | 100 | 24 | 74 | 142,00 € |
| AHSKA80-FM-22-100 | 80 | 22 | 48 | 100 | 19 | 74 | 157,00 € |
| AHSKA80-FM-27-100 | 80 | 27 | 60 | 100 | 21.5 | 74 | 157,00 € |
| AHSKA80-FM-32-100 | 80 | 32 | 78 | 100 | 24 | 74 | 168,00 € |
| AHSKA80-FM-40-100 | 80 | 40 | 88 | 100 | 27 | 74 | 175,00 € |
| AHSKA100-FM-22-100 | 100 | 22 | 48 | 100 | 19 | 71 | 157,00 € |
| AHSKA100-FM-27-100 | 100 | 27 | 60 | 100 | 21.5 | 71 | 157,00 € |
| AHSKA100-FM-32-100 | 100 | 32 | 78 | 100 | 24 | 71 | 177,00 € |
| AHSKA100-FM-40-100 | 100 | 40 | 88 | 100 | 27 | 71 | 177,00 € |

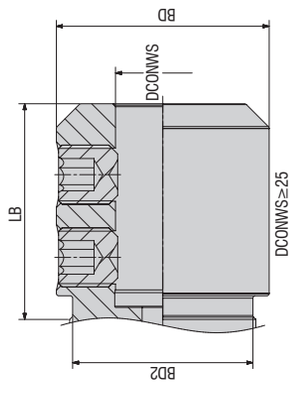
## JIS B 6339 (MAS 403 BT) / BT END MILL HOLDER / *BT FRÄSERAUFNAHMEN*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| | SS | DCONWS | LPR | BD | BD2 | LB | CRKS | |
| ABT30-EM-06-050 | 30 | 06 | 50 | 25 | - | 28 | M12 | 53,00 € |
| ABT30-EM-08-050 | 30 | 08 | 50 | 28 | - | 28 | M12 | 52,00 € |
| ABT30-EM-10-050 | 30 | 10 | 50 | 35 | - | 28 | M12 | 52,00 € |
| ABT30-EM-12-050 | 30 | 12 | 50 | 42 | - | 28 | M12 | 52,00 € |
| ABT30-EM-14-050 | 30 | 14 | 50 | 44 | - | 28 | M12 | 52,00 € |
| ABT30-EM-16-065 | 30 | 16 | 65 | 48 | - | 43 | M12 | 52,00 € |
| ABT30-EM-18-065 | 30 | 18 | 65 | 50 | 45 | 43 | M12 | 52,00 € |
| ABT40-EM-06-075 | 40 | 06 | 75 | 25 | - | 48 | M16 | 48,00 € |
| ABT40-EM-06-100 | 40 | 06 | 100 | 25 | - | 73 | M16 | 63,00 € |
| ABT40-EM-06-160 | 40 | 06 | 160 | 25 | - | 133 | M16 | 87,00 € |
| ABT40-EM-08-050 | 40 | 08 | 50 | 28 | - | 23 | M16 | 47,00 € |
| ABT40-EM-08-100 | 40 | 08 | 100 | 28 | - | 73 | M16 | 61,00 € |
| ABT40-EM-08-160 | 40 | 08 | 160 | 28 | - | 133 | M16 | 86,00 € |
| ABT40-EM-10-063 | 40 | 10 | 63 | 35 | - | 36 | M16 | 47,00 € |
| ABT40-EM-10-100 | 40 | 10 | 100 | 35 | - | 73 | M16 | 61,00 € |
| ABT40-EM-10-160 | 40 | 10 | 160 | 35 | - | 133 | M16 | 86,00 € |
| ABT40-EM-12-063 | 40 | 12 | 63 | 42 | - | 36 | M16 | 47,00 € |
| ABT40-EM-12-100 | 40 | 12 | 100 | 42 | - | 73 | M16 | 61,00 € |
| ABT40-EM-12-160 | 40 | 12 | 160 | 42 | - | 133 | M16 | 86,00 € |
| ABT40-EM-14-065 | 40 | 14 | 65 | 44 | - | 38 | M16 | 47,00 € |
| ABT40-EM-14-100 | 40 | 15 | 100 | 44 | - | 73 | M16 | 61,00 € |
| ABT40-EM-14-160 | 40 | 16 | 160 | 44 | - | 133 | M16 | 86,00 € |
| ABT40-EM-16-063 | 40 | 16 | 63 | 48 | - | 36 | M16 | 47,00 € |
| ABT40-EM-16-100 | 40 | 16 | 100 | 48 | - | 73 | M16 | 61,00 € |
| ABT40-EM-16-160 | 40 | 16 | 160 | 48 | - | 133 | M16 | 86,00 € |
| ABT40-EM-18-065 | 40 | 18 | 65 | 50 | - | 38 | M16 | 47,00 € |
| ABT40-EM-18-100 | 40 | 18 | 100 | 50 | - | 73 | M16 | 61,00 € |
| ABT40-EM-18-160 | 40 | 18 | 160 | 50 | - | 133 | M16 | 86,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. AHSKA50-FM-16-100

## JIS B 6339 (MAS 403 BT) / BT END MILL HOLDER / *BT FRÄSERAUFNAHMEN*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* SS | DCONWS | LPR | BD | BD2 | LB | CRKS | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| ABT40-EM-25-130 | 40 | 25 | 130 | 63 | 61 | 103 | M16 | 79,00 € |
| ABT40-EM-25-160 | 40 | 25 | 160 | 63 | 61 | 133 | M16 | 95,00 € |
| ABT40-EM-32-100 | 40 | 32 | 100 | 72 | 61 | 73 | M16 | 65,00 € |
| ABT40-EM-32-130 | 40 | 32 | 130 | 72 | 61 | 103 | M16 | 82,00 € |
| ABT40-EM-32-160 | 40 | 32 | 160 | 72 | 61 | 133 | M16 | 102,00 € |
| ABT50-EM-06-070 | 50 | 06 | 70 | 25 | - | 32 | M24 | 73,00 € |
| ABT50-EM-06-100 | 50 | 06 | 100 | 25 | - | 62 | M24 | 87,00 € |
| ABT50-EM-06-160 | 50 | 06 | 160 | 25 | - | 122 | M24 | 112,00 € |
| ABT50-EM-08-070 | 50 | 08 | 70 | 28 | - | 32 | M24 | 66,00 € |
| ABT50-EM-08-100 | 50 | 08 | 100 | 28 | - | 62 | M24 | 79,00 € |
| ABT50-EM-08-160 | 50 | 08 | 160 | 28 | - | 122 | M24 | 112,00 € |
| ABT50-EM-10-070 | 50 | 10 | 70 | 35 | - | 32 | M24 | 66,00 € |
| ABT50-EM-10-100 | 50 | 10 | 100 | 35 | - | 62 | M24 | 79,00 € |
| ABT50-EM-10-160 | 50 | 10 | 160 | 35 | - | 122 | M24 | 112,00 € |
| ABT50-EM-12-080 | 50 | 12 | 80 | 42 | - | 42 | M24 | 66,00 € |
| ABT50-EM-12-100 | 50 | 12 | 100 | 42 | - | 62 | M24 | 79,00 € |
| ABT50-EM-12-160 | 50 | 12 | 160 | 42 | - | 122 | M24 | 112,00 € |
| ABT50-EM-14-080 | 50 | 14 | 80 | 44 | - | 42 | M24 | 66,00 € |
| ABT50-EM-14-100 | 50 | 14 | 100 | 44 | - | 62 | M24 | 79,00 € |
| ABT50-EM-14-160 | 50 | 14 | 160 | 44 | - | 122 | M24 | 112,00 € |
| ABT50-EM-16-080 | 50 | 16 | 80 | 48 | - | 42 | M24 | 66,00 € |
| ABT50-EM-16-100 | 50 | 16 | 100 | 48 | - | 62 | M24 | 79,00 € |
| ABT50-EM-16-160 | 50 | 16 | 160 | 48 | - | 122 | M24 | 112,00 € |
| ABT50-EM-18-100 | 50 | 18 | 100 | 50 | - | 62 | M24 | 79,00 € |
| ABT50-EM-18-160 | 50 | 18 | 160 | 50 | - | 122 | M24 | 112,00 € |
| ABT50-EM-20-100 | 50 | 20 | 100 | 52 | - | 62 | M24 | 66,00 € |
| ABT50-EM-20-160 | 50 | 20 | 160 | 52 | - | 122 | M24 | 112,00 € |
| ABT50-EM-25-100 | 50 | 25 | 100 | 63 | - | 62 | M24 | 73,00 € |
| ABT50-EM-25-160 | 50 | 25 | 160 | 63 | - | 122 | M24 | 118,00 € |
| ABT50-EM-32-110 | 50 | 32 | 110 | 72 | - | 72 | M24 | 79,00 € |
| ABT50-EM-32-160 | 50 | 32 | 160 | 72 | - | 122 | M24 | 123,00 € |
| ABT50-EM-40-110 | 50 | 40 | 110 | 80 | - | 72 | M24 | 82,00 € |
| ABT50-EM-40-160 | 50 | 40 | 160 | 80 | - | 122 | M24 | 128,00 € |

## JIS B 6339 (MAS 403 BT) / BT COLLET CHUCKS ER / *BT SPANNFUTTER ER*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* SS | CSI | DCONWS | DCONXWS | BD | LPR | LB | THID | CRKS | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|
| ABT30-ER-16-060 | 30 | ER16 | 0.5 | 10 | 28 | 60 | 33 | M10 | M12 | 68,00 € |
| ABT30-ER-16-100 | 30 | ER16 | 0.5 | 10 | 28 | 100 | 73 | M10 | M12 | 81,00 € |
| ABT30-ER-25-060 | 30 | ER25 | 1.0 | 16 | 42 | 60 | 33 | M16 | M12 | 69,00 € |
| ABT30-ER-25-100 | 30 | ER25 | 1.0 | 16 | 42 | 100 | 73 | M16 | M12 | 84,00 € |
| ABT40-ER-16-063 | 40 | ER16 | 0.5 | 10 | 28 | 63 | 36 | M10 | M16 | 63,00 € |
| ABT40-ER-16-100 | 40 | ER16 | 0.5 | 10 | 28 | 100 | 73 | M10 | M16 | 73,00 € |
| ABT40-ER-16-130 | 40 | ER16 | 0.5 | 10 | 28 | 130 | 103 | M10 | M16 | 82,00 € |
| ABT40-ER-16-100-M | 40 | ER16 | 0.5 | 10 | 22 | 100 | 73 | M10 | M16 | 73,00 € |
| ABT40-ER-16-130-M | 40 | ER16 | 0.5 | 10 | 22 | 130 | 103 | M10 | M16 | 82,00 € |
| ABT40-ER-25-060 | 40 | ER25 | 1.0 | 16 | 42 | 60 | 33 | M16 | M16 | 65,00 € |
| ABT40-ER-25-100 | 40 | ER25 | 1.0 | 16 | 42 | 100 | 73 | M16 | M16 | 74,00 € |
| ABT40-ER-25-130 | 40 | ER25 | 1.0 | 16 | 42 | 130 | 103 | M16 | M16 | 84,00 € |
| ABT40-ER-32-070 | 40 | ER32 | 2.0 | 20 | 50 | 70 | 43 | M16 | M16 | 66,00 € |
| ABT40-ER-32-100 | 40 | ER32 | 2.0 | 20 | 50 | 100 | 73 | M16 | M16 | 79,00 € |
| ABT40-ER-32-160 | 40 | ER32 | 2.0 | 20 | 50 | 160 | 133 | M16 | M16 | 97,00 € |
| ABT40-ER-40-080 | 40 | ER40 | 3.0 | 26 | 63 | 80 | 53 | M16 | M16 | 69,00 € |

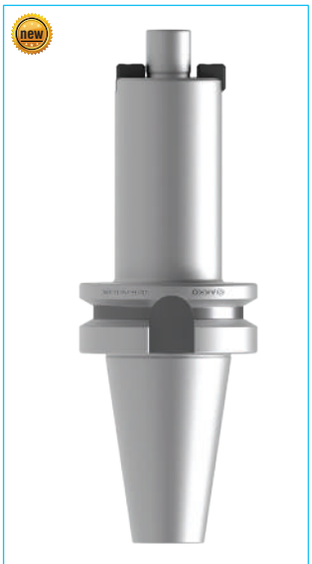
"M" Mini Type

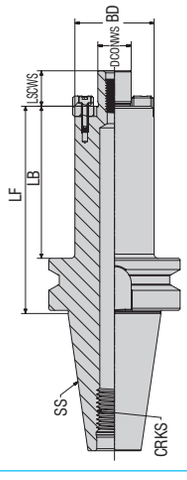
Ordering Example /*Beispiel Bestellformular:* 1pcs. ABT40-EM-25-130

## JIS B 6339 (MAS 403 BT) / BT COLLET CHUCKS ER / *BT SPANNFUTTER ER*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|
| | SS | CSI | DCONWS | DCONXWS | BD | LPR | LB | THID | CRKS | |
| ABT40-ER-40-100 | 40 | ER40 | 3.0 | 26 | 63 | 100 | 73 | M16 | M16 | 84,00 € |
| ABT40-ER-40-160 | 40 | ER40 | 3.0 | 26 | 63 | 160 | 133 | M16 | M16 | 108,00 € |
| ABT50-ER-16-070 | 50 | ER16 | 0.5 | 10 | 28 | 70 | 43 | M10 | M24 | 79,00 € |
| ABT50-ER-16-100 | 50 | ER16 | 0.5 | 10 | 28 | 100 | 73 | M10 | M24 | 97,00 € |
| ABT50-ER-16-130 | 50 | ER16 | 0.5 | 10 | 28 | 130 | 103 | M10 | M24 | 110,00 € |
| ABT50-ER-16-100-M | 50 | ER16 | 0.5 | 10 | 22 | 100 | 62 | M10 | M24 | 97,00 € |
| ABT50-ER-16-130-M | 50 | ER16 | 0.5 | 10 | 22 | 130 | 92 | M10 | M24 | 110,00 € |
| ABT50-ER-16-160-M | 50 | ER16 | 0.5 | 10 | 22 | 160 | 122 | M10 | M24 | 125,00 € |
| ABT50-ER-25-070 | 50 | ER25 | 1.0 | 16 | 42 | 70 | 43 | M16 | M24 | 82,00 € |
| ABT50-ER-25-100 | 50 | ER25 | 1.0 | 16 | 42 | 100 | 73 | M16 | M24 | 99,00 € |
| ABT50-ER-25-130 | 50 | ER25 | 1.0 | 16 | 42 | 130 | 103 | M16 | M24 | 112,00 € |
| ABT50-ER-32-070 | 50 | ER32 | 2.0 | 20 | 50 | 70 | 43 | M16 | M24 | 84,00 € |
| ABT50-ER-32-100 | 50 | ER32 | 2.0 | 20 | 50 | 100 | 73 | M16 | M24 | 100,00 € |
| ABT50-ER-32-130 | 50 | ER32 | 2.0 | 20 | 50 | 130 | 103 | M16 | M24 | 115,00 € |
| ABT50-ER-32-160 | 50 | ER32 | 2.0 | 20 | 50 | 160 | 133 | M16 | M24 | 125,00 € |
| ABT50-ER-40-080 | 50 | ER40 | 3.0 | 26 | 63 | 80 | 53 | M16 | M24 | 87,00 € |
| ABT50-ER-40-100 | 50 | ER40 | 3.0 | 26 | 63 | 100 | 73 | M16 | M24 | 105,00 € |
| ABT50-ER-40-160 | 50 | ER40 | 3.0 | 26 | 63 | 160 | 133 | M16 | M24 | 136,00 € |

## JIS B 6339 (MAS 403 BT) / BT SHELL MILL HOLDER / *BT QUERNUT-AUFSTECKDORN*






| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| | SS | DCONWS | LF | BD | LSCWS | LB | CRKS | |
| ABT30-FM-16-040 | 30 | 16 | 40 | 38 | 17 | 18 | M12 | 63,00 € |
| ABT30-FM-22-040 | 30 | 22 | 40 | 48 | 19 | 18 | M12 | 63,00 € |
| ABT30-FM-32-050 | 30 | 27 | 50 | 60 | 21.5 | 28 | M12 | 66,00 € |
| ABT30-FM-27-050 | 30 | 32 | 50 | 78 | 24 | 28 | M12 | 63,00 € |
| ABT40-FM-16-055 | 40 | 16 | 55 | 38 | 17 | 28 | M16 | 56,00 € |
| ABT40-FM-16-100 | 40 | 16 | 100 | 38 | 17 | 73 | M16 | 82,00 € |
| ABT40-FM-22-055 | 40 | 22 | 55 | 48 | 19 | 28 | M16 | 56,00 € |
| ABT40-FM-22-100 | 40 | 22 | 100 | 48 | 19 | 73 | M16 | 82,00 € |
| ABT40-FM-27-055 | 40 | 27 | 55 | 60 | 21.5 | 28 | M16 | 56,00 € |
| ABT40-FM-27-100 | 40 | 27 | 100 | 60 | 21.5 | 73 | M16 | 82,00 € |
| ABT40-FM-32-060 | 40 | 32 | 60 | 78 | 24 | 33 | M16 | 61,00 € |
| ABT40-FM-32-100 | 40 | 32 | 100 | 78 | 24 | 73 | M16 | 86,00 € |
| ABT40-FM-40-060 | 40 | 40 | 60 | 88 | 27 | 33 | M16 | 69,00 € |
| ABT50-FM-16-055 | 50 | 16 | 55 | 38 | 17 | 17 | M24 | 82,00 € |
| ABT50-FM-16-100 | 50 | 16 | 100 | 38 | 17 | 62 | M24 | 102,00 € |
| ABT50-FM-22-055 | 50 | 22 | 55 | 48 | 19 | 17 | M24 | 82,00 € |
| ABT50-FM-22-100 | 50 | 22 | 100 | 48 | 19 | 62 | M24 | 102,00 € |
| ABT50-FM-27-055 | 50 | 27 | 55 | 60 | 21.5 | 17 | M24 | 82,00 € |
| ABT50-FM-27-100 | 50 | 27 | 100 | 60 | 21.5 | 62 | M24 | 102,00 € |
| ABT50-FM-32-100 | 50 | 32 | 100 | 78 | 24 | 62 | M24 | 110,00 € |
| ABT50-FM-40-100 | 50 | 40 | 100 | 88 | 27 | 62 | M24 | 120,00 € |

"M" Mini Type

Ordering Example /*Beispiel Bestellformular:* 1pcs. ABT40-ER-40-100

## DIN ISO 7388-1 (SK DIN 69871) / SK END MILL HOLDER / *SK FRÄSERAUFNAHMEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| | SS | DCONWS | LPR | BD | BD2 | LB | CRKS | |
| ASK40-EM-08-050 | 40 | 08 | 50 | 28 | - | 30,9 | M16 | 47,00 € |
| ASK40-EM-10-063 | 40 | 10 | 63 | 35 | - | 43,9 | M16 | 47,00 € |
| ASK40-EM-12-100 | 40 | 12 | 100 | 42 | - | 80,9 | M16 | 61,00 € |
| ASK40-EM-12-063 | 40 | 12 | 63 | 42 | - | 43,9 | M16 | 47,00 € |
| ASK40-EM-16-100 | 40 | 16 | 63 | 48 | - | 43,9 | M16 | 61,00 € |
| ASK40-EM-16-063 | 40 | 16 | 100 | 48 | - | 80,9 | M16 | 47,00 € |
| ASK40-EM-20-100 | 40 | 20 | 63 | 52 | - | 43,9 | M16 | 61,00 € |
| ASK40-EM-20-063 | 40 | 20 | 100 | 52 | - | 80,9 | M16 | 47,00 € |
| ASK40-EM-25-090 | 40 | 25 | 90 | 63 | 61 | 70,9 | M16 | 61,00 € |
| ASK40-EM-32-100 | 40 | 32 | 100 | 72 | 61 | 80,9 | M16 | 65,00 € |
| ASK40-EM-40-120 | 40 | 40 | 120 | 80 | 61 | 100,9 | M16 | 69,00 € |

## DIN ISO 7388-1 (SK DIN 69871) / SK COLLET CHUCKS ER / *SK SPANNFUTTER ER*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|---|---|
| | SS | CSI | DCONNWS | DCONXWS | BD | LPR | LB | THID | CRKS | |
| ASK40-ER-16-063 | 40 | ER16 | 0.5 | 10 | 28 | 63 | 43.9 | M10 | M16 | 63,00 € |
| ASK40-ER-25-060 | 40 | ER25 | 1.0 | 16 | 42 | 60 | 40.9 | M16 | M16 | 65,00 € |
| ASK40-ER-25-100 | 40 | ER25 | 1.0 | 16 | 42 | 100 | 80.9 | M16 | M16 | 74,00 € |
| ASK40-ER-32-070 | 40 | ER32 | 2.0 | 20 | 50 | 70 | 50.9 | M16 | M16 | 66,00 € |
| ASK40-ER-32-100 | 40 | ER32 | 2.0 | 20 | 50 | 100 | 80.9 | M16 | M16 | 79,00 € |
| ASK40-ER-32-160 | 40 | ER32 | 2.0 | 20 | 50 | 160 | 140.9 | M16 | M16 | 104,00 € |
| ASK40-ER-40-080 | 40 | ER40 | 3.0 | 26 | 63 | 80 | 60.9 | M16 | M16 | 69,00 € |
| ASK40-ER-40-100 | 40 | ER40 | 3.0 | 26 | 63 | 100 | 80.9 | M16 | M16 | 84,00 € |
| ASK40-ER-40-160 | 40 | ER40 | 3.0 | 26 | 63 | 160 | 140.9 | M16 | M16 | 108,00 € |

## DIN ISO 7388-1 (SK DIN 69871) / SK SHELL MILL HOLDER / *SK AUFSTECKFRÄSERDORNE*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | PRICE / PREIS |
|---|---|---|---|---|---|---|---|---|
| | SS | DCONWS | BD | LF | LSCWS | LB | CRKS | |
| ASK40-FM-16-055 | 40 | 16 | 38 | 55 | 17 | 35.9 | M16 | 56,00 € |
| ASK40-FM-16-100 | 40 | 16 | 38 | 100 | 17 | 80.9 | M16 | 82,00 € |
| ASK40-FM-22-055 | 40 | 22 | 48 | 55 | 19 | 35.9 | M16 | 56,00 € |
| ASK40-FM-27-055 | 40 | 27 | 60 | 55 | 21.5 | 35.9 | M16 | 56,00 € |
| ASK40-FM-32-060 | 40 | 32 | 78 | 60 | 24 | 40.9 | M16 | 61,00 € |
| ASK40-FM-40-060 | 40 | 40 | 88 | 60 | 27 | 40.9 | M16 | 69,00 € |

Ordering Example / *Beispiel Bestellformular:* 1pcs. ASK40-EM-08-050

| T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *T-SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 75° | **TCBNR / L**<br>**CNM. 1606..** | 2525 M16 | 72,00 € |
| new 75° | **TCBNR/L**<br>**CNM. 1204..** | 2020 K12-H<br>2525 M12-H<br>3232 P12-H | 157,00 €<br>160,00 €<br>182,00 € |
| 75° | **TCKNR / L**<br>**CNM. 1204..**<br>**CNM. 1606..** | 2020 K12<br>2525 M12<br>2525 M16<br>3232 P12<br>3232 P16 | 69,00 €<br>70,00 €<br>72,00 €<br>79,00 €<br>83,00 € |
| new 75° | **TCKNR / L**<br>**CNM. 1204..** | 2020 K12-H<br>2525 M12-H<br>3232 P12-H | 157,00 €<br>160,00 €<br>182,00 € |
| 95° | **TCLNR / L**<br>**CNM. 1204..**<br>**CNM. 1606..** | 2020 K12<br>2525 M12<br>3232 P12<br>4040 S12<br>5050 S12<br>2525 M16<br>3232 P16 | 69,00 €<br>70,00 €<br>79,00 €<br>131,00 €<br>185,00 €<br>72,00 €<br>83,00 € |
| 95° | **TCLNR / L**<br>**CNM. 1204..** | 2020 K12-H<br>2525 M12-H<br>3232 P12-H | 157,00 €<br>160,00 €<br>182,00 € |
| 50° | **TCMNN**<br>**CNM. 1204..**<br>**CNM. 1606..** | 1616 H12<br>2020 K12<br>2525 M12<br>3232 P12<br>2525 M16<br>3232 P16<br>4040 S16 | 67,00 €<br>69,00 €<br>70,00 €<br>79,00 €<br>72,00 €<br>83,00 €<br>135,00 € |
| 40° | **TCZNN**<br>**CNM. 1204..**<br>**CNM. 1606..** | 2020 K12<br>2525 M12<br>3232 P12<br>2525 M16<br>3232 P16 | 69,00 €<br>70,00 €<br>79,00 €<br>72,00 €<br>83,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. TCBNR 2525 M16

## T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *T-SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 107.5° | **TDHNR / L**<br>**DNM. 1104..**<br>**DNM. 1506..** | 2525 M11 | 70,00 € |
| | | 2020 K15 | 69,00 € |
| | | 2525 M15 | 70,00 € |
| | | 3232 P15 | 79,00 € |
| 93° | **TDJNR / L**<br>**DNM. 1104..**<br>**DNM. 1504..**<br>**DNM. 1506..** | 1616 H11 | 67,00 € |
| | | 2020 K11 | 69,00 € |
| | | 2525 M11 | 70,00 € |
| | | 2020 K15 | 69,00 € |
| | | 2525 M15 | 70,00 € |
| | | 3232 P15 | 79,00 € |
| | | 4040 S15 | 131,00 € |
| | | 5050 S15 | 185,00 € |
| | | 2020 K1504 | 69,00 € |
| | | 2525 M1504 | 70,00 € |
| | | 3232 P1504 | 79,00 € |
| | | 4040 S1504 | 131,00 € |
| 93° | **TDJNR / L**<br>**DNM. 1506..** | 2020 K15-H | 157,00 € |
| | | 2525 M15-H | 160,00 € |
| | | 3232 P15-H | 182,00 € |
| 62.5° | **TDNNN**<br>**DNM. 1104..**<br>**DNM. 1506..** | 1616 H11 | 67,00 € |
| | | 2020 K11 | 69,00 € |
| | | 2525 M11 | 70,00 € |
| | | 2020 K15 | 69,00 € |
| | | 2525 M15 | 70,00 € |
| | | 3232 P15 | 79,00 € |
| | | 4040 S15 | 131,00 € |
| | | 5050 S15 | 185,00 € |
| 62.5° | **TDNNN**<br>**DNM. 1506..** | 2525 M15-H | 160,00 € |
| | | 3232 P15-H | 182,00 € |
| 45° | **TSDNN**<br>**SNM. 1204..**<br>**SNM. 1506..** | 1616 H12 | 67,00 € |
| | | 2020 K12 | 69,00 € |
| | | 2525 M12 | 70,00 € |
| | | 3232 P12 | 79,00 € |
| | | 2525 M15 | 72,00 € |
| | | 3232 P15 | 83,00 € |
| | | 4040 S15 | 135,00 € |
| 45° | **TSDNN**<br>**SNM. 1204..**<br>**SNM. 1506..** | 2525 M12-H | 160,00 € |
| | | 3232 P12-H | 182,00 € |
| | | 2525 M15-H | 160,00 € |
| | | 3232 P15-H | 182,00 € |
| | | 4040 S15-H | 293,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. TDHNR 2525 M11

AKKO®

## T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *T-SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 75° | **TSKNR / L**<br>**SNM. 1204..**<br>**SNM. 1506..** | 2020 K12 | 69,00 € |
| | | 2525 M12 | 70,00 € |
| | | 3232 P12 | 79,00 € |
| | | 3232 P15 | 83,00 € |
| 45° | **TSSNR / L**<br>**SNM. 1204..**<br>**SNM. 1506..** | 2020 K12 | 69,00 € |
| | | 2525 M12 | 70,00 € |
| | | 3232 P12 | 79,00 € |
| | | 2525 M15 | 72,00 € |
| | | 3232 P15 | 83,00 € |
| 45° | **TSSNR / L**<br>**SNM. 1204..**<br>**SNM. 1506..** | 2525 M12-H | 160,00 € |
| | | 3232 P12-H | 182,00 € |
| | | 2525 M15-H | 160,00 € |
| | | 3232 P15-H | 182,00 € |
| | | 4040 S15-H | 293,00 € |
| 60° | **TTENN**<br>**TNM. 1604..**<br>**TNM. 2204..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22 | 70,00 € |
| | | 3232 P22 | 79,00 € |
| | | 4040 S22 | 131,00 € |
| 90° | **TTGNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22 | 70,00 € |
| | | 3232 P22 | 79,00 € |
| | | 4040 S22 | 131,00 € |
| 93° | **TTJNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22 | 70,00 € |
| | | 3232 P22 | 79,00 € |
| | | 4040 S22 | 131,00 € |
| 93° | **TTJNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | 2525 M16-H | 160,00 € |
| | | 3232 P16-H | 182,00 € |
| | | 2525 M22-H | 160,00 € |
| | | 3232 P22-H | 182,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. TSKNR 2020 K12

| T - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *T-SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 107.5° | **TVHNR / L**<br>**VNM. 1604..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| 93° | **TVJNR / L**<br>**VNM. 1604..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| 93° | **TVJNR / L**<br>**VNM. 1604..** | 2020 K16-H | 157,00 € |
| | | 2525 M16-H | 160,00 € |
| | | 3232 P16-H | 182,00 € |
| 72.5° | **TVVNN**<br>**VNM. 1604..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| 72.5° | **TVVNN**<br>**VNM. 1604..** | 2020 K16-H | 157,00 € |
| | | 2525 M16-H | 160,00 € |
| 95° | **TWLNR / L**<br>**WNM. 0604..**<br>**WNM. 0804..** | 1616 H06 | 67,00 € |
| | | 2020 K06 | 69,00 € |
| | | 2525 M06 | 70,00 € |
| | | 2020 K08 | 69,00 € |
| | | 2525 M08 | 70,00 € |
| | | 3232 P08 | 79,00 € |
| | | 4040 S08 | 131,00 € |
| | | 5050 S08 | 185,00 € |
| 95° | **TWLNR / L**<br>**WNM. 0804..** | 2020 K08-H | 157,00 € |
| | | 2525 M08-H | 160,00 € |
| | | 3232 P08-H | 182,00 € |

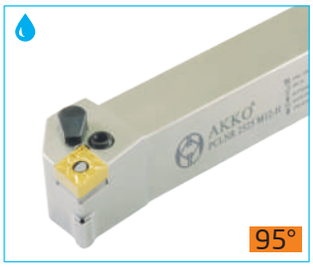
Ordering Example /*Beispiel Bestellformular*: 1pcs. TVHNR 2020 K16

## M - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *M -SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 60° | **MTENN**<br>**TNM. 1604..**<br>**TNM. 2204..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22 | 70,00 € |
| | | 3232 P22 | 79,00 € |
| | | 4040 S22 | 131,00 € |
| 93° | **MTJNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22 | 70,00 € |
| | | 3232 P22 | 79,00 € |
| | | 4040 S22 | 131,00 € |
| 95° | **MWLNR / L**<br>**WNM. 0604..**<br>**WNM. 0804..** | 1616 H06 | 67,00 € |
| | | 2020 K06 | 69,00 € |
| | | 2525 M06 | 70,00 € |
| | | 2020 K08 | 69,00 € |
| | | 2525 M08 | 70,00 € |
| | | 3232 P08 | 79,00 € |
| 50° | **MWMNN**<br>**WNM. 0604..**<br>**WNM. 0804..** | 1616 H06 | 67,00 € |
| | | 2020 K06 | 69,00 € |
| | | 2525 M06 | 70,00 € |
| | | 2020 K08 | 69,00 € |
| | | 2525 M08 | 70,00 € |
| | | 3232 P08 | 79,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. MTENN 2020 K16

## P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *P -SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 75° | **PCBNR / L**<br>CNM. 1204..<br>CNM. 1606..<br>CNM. 1906..<br>CNM. 2509.. | 2020 K12C | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 2525 M16C | 72,00 € |
| | | 3232 P16C | 83,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 4040 S25C | 152,00 € |
| | | 5050 S25C | 200,00 € |
| 95° | **PCLNR / L**<br>CNM. 0903..<br>CNM. 1204..<br>CNM. 1606..<br>CNM. 1906..<br>CNM. 2509.. | 1616 H09 | 67,00 € |
| | | 2020 K09 | 69,00 € |
| | | 2525 M09 | 70,00 € |
| | | 1616 H12 | 67,00 € |
| | | 2020 K12C | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 2525 M16C | 72,00 € |
| | | 3232 P16C | 83,00 € |
| | | 2525 M19C | 93,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 4040 S25C | 152,00 € |
| | | 5050 S25C | 200,00 € |
|  95° | **PCLNR / L**<br>CNM. 1204..<br>CNM. 1606..<br>CNM. 1906.. | 2020 K12-H | 116,00 € |
| | | 2525 M12-H | 119,00 € |
| | | 3232 P12-H | 135,00 € |
| | | NEW 3232 P16-H | 135,00 € |
| | | NEW 3232 P19-H | 169,00 € |
| 50° | **PCMNN**<br>CNM. 1204..<br>CNM. 1906..<br>CNM. 2509.. | 2020 K12C | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 2525 M16C | 72,00 € |
| | | 3232 P16C | 83,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 5050 S19C | 182,00 € |
| | | 4040 S25C | 152,00 € |
| 93° | **PDJNR / L**<br>DNM. 1104..<br>DNM. 1506.. | 1616 H11 | 67,00 € |
| | | 2020 K11 | 69,00 € |
| | | 2525 M11 | 70,00 € |
| | | 2020 K15C | 69,00 € |
| | | 2525 M15C | 70,00 € |
| | | 3232 P15C | 79,00 € |
| | | 4040 S15C | 131,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. PCBNR 2020 K12C

## P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *P -SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **PDJNR / L**<br>**DNM. 1506..** | 2020 K15-H | 116,00 € |
| | | 2525 M15-H | 119,00 € |
| | | 3232 P15-H | 135,00 € |
| 62.5° | **PDNNN**<br>**DNM. 1104..**<br>**DNM. 1506..** | 1616 H11 | 67,00 € |
| | | 2020 K11 | 69,00 € |
| | | 2525 M11 | 70,00 € |
| | | 2020 K15C | 69,00 € |
| | | 2525 M15C | 70,00 € |
| | | 3232 P15C | 79,00 € |
| 62.5° | **PDNNN**<br>**DNM. 1506..** | 2525 M15-H | 119,00 € |
| 75° | **PSBNR / L**<br>**SNM. 0903..**<br>**SNM. 1204..**<br>**SNM. 1506..**<br>**SNM. 1906..**<br>**SNM. 2509..** | 1616 H09 | 67,00 € |
| | | 2020 K09 | 69,00 € |
| | | 2020 K12 | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 2525 M15 | 72,00 € |
| | | 3232 P15C | 83,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 4040 S25C | 152,00 € |
| | | 5050 S25C | 200,00 € |
| 45° | **PSDNN**<br>**SNM. 0903..**<br>**SNM. 1204..**<br>**SNM. 1506..**<br>**SNM. 1906..**<br>**SNM. 2509..** | 1616 H09 | 67,00 € |
| | | 2020 K12C | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 2020 K15C | 85,00 € |
| | | 2525 M15C | 72,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 5050 S19C | 182,00 € |
| | | 4040 S25C | 152,00 € |
| | | 5050 S25C | 200,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. PDJNR 2020 K15-H

## P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *P -SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 75° | **PSKNR / L**<br>SNM. 0903..<br>SNM. 1204..<br>SNM. 1506..<br>SNM. 1906..<br>SNM. 2509.. | 2020 K09 | 69,00 € |
| | | 2020 K12C | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 2525 M15C | 72,00 € |
| | | 3232 P15C | 83,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 4040 S25C | 152,00 € |
| | | 5050 S25C | 200,00 € |
| 45° | **PSSNR / L**<br>SNM. 0903..<br>SNM. 1204..<br>SNM. 1906..<br>SNM. 2509.. | 1616 H09 | 67,00 € |
| | | 2020 K09 | 69,00 € |
| | | 2020 K12C | 69,00 € |
| | | 2525 M12C | 70,00 € |
| | | 3232 P12C | 79,00 € |
| | | 3232 P15C | 83,00 € |
| | | 3232 P19C | 104,00 € |
| | | 4040 S19C | 139,00 € |
| | | 4040 S25C | 152,00 € |
| 90° | **PTFNR / L**<br>TNM. 1604..<br>TNM. 2204.. | 1616 H16 | 67,00 € |
| | | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22C | 70,00 € |
| | | 3232 P22C | 79,00 € |
| | | 4040 S27 | 152,00 € |
| 90° | **PTGNR / L**<br>TNM. 1604..<br>TNM. 2204.. | 1010 E11 | 54,00 € |
| | | 1212 F11 | 54,00 € |
| | | 1616 H11 | 62,00 € |
| | | 1616 H16 | 67,00 € |
| | | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22C | 70,00 € |
| | | 3232 P22C | 79,00 € |
| | | 4040 S27 | 152,00 € |
| 93° | **PTJNR / L**<br>TNM. 1604..<br>TNM. 2204.. | 1010 E11 | 54,00 € |
| | | 1212 F11 | 54,00 € |
| | | 1616 H11 | 62,00 € |
| | | 1616 H16 | 67,00 € |
| | | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22C | 70,00 € |
| | | 3232 P22C | 79,00 € |
| | | 4040 S27C | 152,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. PSKNR 2020 K09

## P - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *P -SYSTEM AUßEN - DREHHALTER*

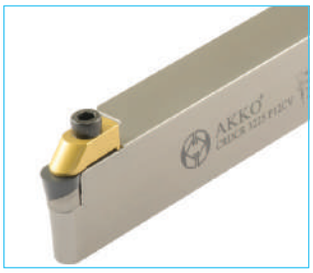
| | | | PRICE / PREIS |
|---|---|---|---|
| 60° | **PTTNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | 1616 H16 | 67,00 € |
| | | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 2525 M22C | 70,00 € |
| | | 3232 P22C | 79,00 € |
| 95° | **PWLNR / L**<br>**WNM. 0604..**<br>**WNM. 0804..** | 1616 H06 | 67,00 € |
| | | 2020 K06 | 69,00 € |
| | | 2525 M06 | 70,00 € |
| | | 3232 P06 | 79,00 € |
| | | 1616 H08 | 67,00 € |
| | | 2020 K08C | 69,00 € |
| | | 2525 M08C | 70,00 € |
| | | 3232 P08C | 79,00 € |
| 95° | **PWLNR / L**<br>**WNM. 0804..** | 2020 K08-H | 116,00 € |
| | | 2525 M08-H | 119,00 € |
| 93° | **PDJCR / L**<br>**DC.T 11T3.** | 1010 K11-S | 75,00 € |
| | | 1212 K11-S | 79,00 € |
| | | 1616 K11-S | 83,00 € |

## C - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *C - SYSTEM AUßEN - DREHHALTER*

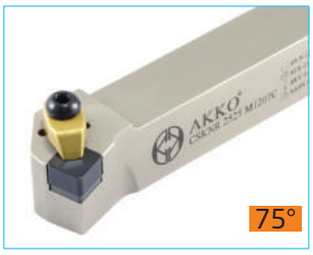
| | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **CKJNR / L**<br>**KNUX 1604..** | 2020 K16 | 69,00 € |
| | | 2525 M16 | 70,00 € |
| | | 3232 P16 | 79,00 € |
| | | 4040 S16 | 152,00 € |
| 95° | **CCLNR / L**<br>**CN.N 1207..**<br>**CN.N 1607..** | 2525 M1207C | 94,00 € |
| | | 3232 P1207C | 106,00 € |
| | | 2525 M1607C | 105,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. PTTNR 1616 H16

## C - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *C - SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **CDJNR / L**<br>**DN.N 1107..**<br>**DN.N 1507..** | 2525 M1107C | 94,00 € |
| | | 2525 M1507C | 94,00 € |
| | | 3232 P1507C | 106,00 € |
| 62.5° | **CDNNN**<br>**DN.N 1107..** | 2525 M1107C | 94,00 € |
| R | **CRDCN**<br>**RCGX 060600**<br>**RCGX 090700**<br>**RCGX 120700** | 2525 M06CV | 138,00 € |
| | | 3225 P06CV | 151,00 € |
| | | 4040 S06CV | 192,00 € |
| | | 2525 M09CV | 138,00 € |
| | | 3225 P09CV | 151,00 € |
| | | 4040 S09CV | 192,00 € |
| | | 2525 M12CV | 138,00 € |
| | | 3225 P12CV | 151,00 € |
| | | 4040 S12CV | 192,00 € |
| | **CRDCN**<br>**RCGX 060600**<br>**RCGX 090700**<br>**RCGX 120700** | 3232 P06CVK | 270,00 € |
| | | 4040 R06CVK | 344,00 € |
| | | 3232 P09CVK | 270,00 € |
| | | 4040 R09CVK | 344,00 € |
| | | 3232 P12CVK | 270,00 € |
| | | 4040 R12CVK | 344,00 € |
|  | **CRDCR / L**<br>**RCGX 060600**<br>**RCGX 090700**<br>**RCGX 120700** | 3225 P06CV | 151,00 € |
| | | 3225 P09CV | 151,00 € |
| | | 3225 P12CV | 151,00 € |
| 45° | **CSDNN**<br>**SN.N 1207..** | 2525 M1207C | 94,00 € |
| | | 3232 P1207C | 106,00 € |

Ordering Example / *Beispiel Bestellformular:* 1pcs. CDJNR 2525 M1107C

| C - SYSTEM EXTERNAL TURNING TOOLHOLDERS FOR CERAMIC INSERTS / *C - SYSTEM AUßEN - DREHHALTER - FÜR KERAMIK WENDESCHNEIDPLATTEN* | | | PRICE / PREIS |
|---|---|---|---|
|  75° | **CSKNR / L**<br>**SN.N 1207..** | 2525 M1207C | 94,00 € |
| | | 3232 P1207C | 106,00 € |
| 45° | **CSRNR / L**<br>**SN.N 1207..** | 2525 M1207C | 94,00 € |
| | | 3232 P1207C | 106,00 € |
| 45° | **CSSNR / L**<br>**SN.N 1207..** | 2525 M1207C | 94,00 € |
| | | 3232 P1207C | 106,00 € |
| 93° | **CTJNR / L**<br>**TN.N 1607..** | 2525 M1607C | 94,00 € |
| | | 3232 P1607C | 106,00 € |

| S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *S - SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **SCACR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | 0808 E06 | 42,00 € |
| | | 1010 E06 | 42,00 € |
| | | 1212 F09 | 42,00 € |
| | | 1616 H09 | 47,00 € |
| | | 2020 K09 | 49,00 € |
| | | 2020 K12 | 49,00 € |
| | | 2525 M12-Z | 49,00 € |
| | | 2525 M12 | 51,00 € |
| 95° | **SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | 0808 E06 | 42,00 € |
| | | 1010 E06 | 42,00 € |
| | | 1212 F06 | 42,00 € |
| | | 1010 E09 | 42,00 € |
| | | 1212 F09 | 42.00 € |
| | | 1616 H09 | 47,00 € |
| | | 2020 K09 | 49,00 € |
| | | 2525 M09 | 51,00 € |
| | | 1616 H12 | 47,00 € |
| | | 2020 K12-Z | 47,00 € |
| | | 2020 K12 | 49,00 € |
| | | 2525 M12-Z | 49,00 € |
| | | 2525 M12 | 51,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. CSKNR 2525 M1207C

| S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *S - SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 95° | **SCLCR / L**<br>**CC.T 09T3..** | 1212 K09-SHC | 100,00 € |
| | | 1616 K09-SHC | 115,00 € |
| 50° | **SCMCN**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | 0808 E06 | 42,00 € |
| | | 1010 E06 | 42,00 € |
| | | 1212 F06 | 42,00 € |
| | | 1212 F09 | 42,00 € |
| | | 1616 H09 | 47,00 € |
| | | 2020 K12 | 49,00 € |
| | | 2525 M12 | 51,00 € |
| 107.5° | **SDHCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | 0808 E07 | 42,00 € |
| | | 1010 E07 | 42,00 € |
| | | 1212 F07 | 42,00 € |
| | | 1616 H07 | 42,00 € |
| | | 1616 H11 | 47,00 € |
| | | 2020 K11 | 49,00 € |
| | | 2525 M11 | 51,00 € |
| | | 3232 P11 | 58,00 € |
| 93° | **SDJCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | 0808 E07 | 42,00 € |
| | | 1010 E07 | 42,00 € |
| | | 1212 F07 | 42,00 € |
| | | 1616 H07 | 42,00 € |
| | | 1212 F11 | 42,00 € |
| | | 1616 H11 | 47,00 € |
| | | 2020 K11 | 49,00 € |
| | | 2525 M11 | 51,00 € |
| | | 3232 P11 | 58,00 € |
| 93° | **SDJCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | 0810 G07-SHC | 107,00 € |
| | | 1010 K07-SHC | 107,00 € |
| | | 1012 K11-SHC | 107,00 € |
| | | 1212 K11-SHC | 107,00 € |
| | | 1616 K11-SHC | 123,00 € |
| 62.5° | **SDNCN**<br>**DC.T 0702..**<br>**DC.T 11T3..** | 0808 E07 | 42,00 € |
| | | 1010 E07 | 42,00 € |
| | | 1212 F07 | 42,00 € |
| | | 1616 H07 | 42,00 € |
| | | 1616 H11 | 47,00 € |
| | | 2020 K11 | 49,00 € |
| | | 2525 M11 | 51,00 € |
| | | 3232 P11 | 58,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. SCLCR 1212 K09-SHC

AKKO®

| S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *S - SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| R | **SRDCN**<br>**RC.T 0602..**<br>**RC.T 0803..**<br>**RC.T 10T3..**<br>**RC.T 1204..**<br>**RC.T 1605..**<br>**RC.T 2006..**<br>**RC.T 2507..**<br>**RC.T 3209..** | 1616 H06 | 47,00 € |
| | | 2020 K06 | 49,00 € |
| | | 2525 M06 | 51,00 € |
| | | 1616 H08C | 47,00 € |
| | | 2020 K08C | 49,00 € |
| | | 2525 M08C | 51,00 € |
| | | 1616 H10C | 47,00 € |
| | | 2020 K10C | 49,00 € |
| | | 2525 M10C | 51,00 € |
| | | 3232 P10C | 58,00 € |
| | | 2020 K12C | 49,00 € |
| | | 2525 M12C | 51,00 € |
| | | 3232 P12C | 58,00 € |
| | | 2525 M16C | 54,00 € |
| | | 3232 P16C | 62,00 € |
| | | 2525 M20C | 106,00 € |
| | | 3232 P20C | 125,00 € |
| | | 3232 P25C | 125,00 € |
| | | 3232 P32C | 125,00 € |
| R | **SRDCR / L**<br>**RC.T 1204..** | 3232 T06 | 102,00 € |
| | | 3232 P12C | 58,00 € |
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| R | **SRGCR / L**<br>**RC.T 0602..**<br>**RC.T 0803..**<br>**RC.T 10T3..**<br>**RC.T 1204..** | 1616 H06 | 47,00 € |
| | | 2020 K06 | 49,00 € |
| | | 1616 H08C | 47,00 € |
| | | 2020 K08C | 49,00 € |
| | | 2525 M08C | 51,00 € |
| | | 1616 H10C | 47,00 € |
| | | 2020 K10C | 49,00 € |
| | | 2525 M10C | 51,00 € |
| | | 3232 P10C | 58,00 € |
| | | 2020 K12C | 49,00 € |
| | | 2525 M12C | 51,00 € |
| | | 3232 P12C | 58,00 € |
| R | **SRHCR / L**<br>**RC.T 0602..**<br>**RC.T 0803..**<br>**RC.T 10T3..**<br>**RC.T 1204..**<br>**RC.T 1606..** | 2525 K06 | 131,00 € |
| | | 2525 K08 | 131,00 € |
| | | 2525 K10 | 131,00 € |
| | | 2525 K12 | 131,00 € |
| | | 2525 K16 | 131,00 € |
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Ordering Example /*Beispiel Bestellformular:* 1pcs. SRDCN 1616 H06

| S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *S - SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| R | **SRXCR / L**<br>**RC.T 0803..**<br>**RC.T 10T3..**<br>**RC.T 1204..** | 3232 X08C | 128,00 € |
| | | 3232 X10C | 128,00 € |
| | | 3232 X12C | 128,00 € |
| 45° | **SSDCN**<br>**SC.T 09T3..**<br>**SC.T 1204..**<br>**SC.T 1605..** | 1212 F09 | 42,00 € |
| | | 1616 H09-Z | 42,00 € |
| | | 1616 H09 | 47,00 € |
| | | 2020 K09-Z | 47,00 € |
| | | 2020 K09 | 49,00 € |
| | | 1616 H12-Z | 42,00 € |
| | | 1616 H12 | 47,00 € |
| | | 2020 K12 | 49,00 € |
| | | 2525 M12 | 51,00 € |
| 45° | **SSSCR / L**<br>**SC.T 09T3..**<br>**SC.T 1204..** | 1212 F09 | 42,00 € |
| | | 1616 H09-Z | 42,00 € |
| | | 1616 H09 | 47,00 € |
| | | 2020 K09-Z | 47,00 € |
| | | 2020 K09 | 49,00 € |
| | | 1616 H12 | 47,00 € |
| | | 2020 K12-Z | 47,00 € |
| | | 2020 K12 | 49,00 € |
| | | 2525 M12-Z | 49,00 € |
| | | 2525 M12 | 51,00 € |
| 90° | **STFCR / L**<br>**TC.T 0902..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | 0808 E09 | 42,00 € |
| | | 1010 E09 | 42,00 € |
| | | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 1616 H16 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 90° | **STGCR / L**<br>**TC.T 0902..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | 0808 E09 | 42,00 € |
| | | 1010 E09 | 42,00 € |
| | | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 1616 H16 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |

SSDCN 1616 H09-Z and SSSCR 1616 H09-Z, "-Z": Without Shim / *Ohne Unterlegplatte*

Ordering Example /*Beispiel Bestellformular:* 1pcs. SRXCR 3232 X08C

| S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *S - SYSTEM AUßEN - DREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **STJCR / L**<br>**TC.T 0902..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | 0808 E09 | 42,00 € |
| | | 1010 E09 | 42,00 € |
| | | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 1616 H16 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 90° | **STCCN**<br>**TC.T 1102..**<br>**TC.T 16T3..**<br>**TC.T 2204..** | 2020 L11 | 78,00 € |
| | | 1616 K16 | 72,00 € |
| | | 2020 M16 | 78,00 € |
| | | 2525 P16 | 84,00 € |
| | | 3232 R16 | 94,00 € |
| | | 2525 P22 | 84,00 € |
| 93° | **STUCR / L**<br>**TC.T 0902..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | 0808 E09 | 42,00 € |
| | | 1010 E09 | 42,00 € |
| | | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 1616 H16 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 107.5° | **SVHBR / L**<br>**VBM. 1103..**<br>**VBM. 1604..** | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 2020 K11 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 107.5° | **SVHCR / L**<br>**VC.T 1103..**<br>**VC.T 1604..** | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 2020 K11 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 93° | **SVJBR / L**<br>**VBM. 1103..**<br>**VBM. 1604..** | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 2020 K11 | 47,00 € |
| | | 1616 H16 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 93° | **SVJCR / L**<br>**VC.T 1103..**<br>**VC.T 1604..** | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 2020 K11 | 47,00 € |
| | | 2525 M11 | 49,00 € |
| | | 1212 F16 | 42,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. STJCR 0808 E09

## S - SYSTEM EXTERNAL TURNING TOOLHOLDERS / *S - SYSTEM AUßEN - DREHHALTER*

| | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **SVJCR / L**<br>**VC.T 1103..** | 1212 K11-SHC | 107,00 € |
| | | 1616 K11-SHC | 123,00 € |
| 72.5° | **SVVBN**<br>**VBM. 1103..**<br>**VBM. 1604..** | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 2020 K11 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |
| 72.5° | **SVVCN**<br>**VC.T 1103..**<br>**VC.T 1604..** | 1212 F11 | 42,00 € |
| | | 1616 H11 | 42,00 € |
| | | 2020 K11 | 47,00 € |
| | | 2020 K16 | 49,00 € |
| | | 2525 M16 | 51,00 € |
| | | 3232 P16 | 58,00 € |

## TOOLS FOR SWISS TYPE SLIDING AUTOMATIC LATHES / *WERKZEUGE FÜR LANGDREHAUTOMATEN*

| | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **SCACR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..** | 0808 X06-S | 51,00 € |
| | | 1010 K06-S | 53,00 € |
| | | 1212 G06-S | 53,00 € |
| | | 1212 K06-S | 56,00 € |
| | | 1616 F06-S | 56,00 € |
| | | 1616 K06-S | 58,00 € |
| | | 1212 G09-S | 53,00 € |
| | | 1212 K09-S | 56,00 € |
| | | 1616 F09-S | 56,00 € |
| | | 1616 K09-S | 58,00 € |
| | | 2020 K09-S | 61,00 € |
| 95° | **SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..** | 0808 X06-S | 51,00 € |
| | | 1010 X06-S | 51,00 € |
| | | 1212 G06-S | 53,00 € |
| | | 1212 X06-S | 53,00 € |
| | | 1212 K06-S | 56,00 € |
| | | 1616 F06-S | 56,00 € |
| | | 1616 X06-S | 56,00 € |
| | | 1212 G09-S | 53,00 € |
| | | 1212 X09-S | 53,00 € |
| | | 1616 F09-S | 56,00 € |
| | | 1616 G09-S | 56,00 € |
| | | 1616 X09-S | 56,00 € |
| | | 2020 X09-S | 58,00 € |

SCACR 1010 K06-S, "-S": Swiss Type / *Werkzeuge für Langdrehautomaten*

Ordering Example / *Beispiel Bestellformular:* 1pcs. SVJCR 1212 K11-SHC

| TOOLS FOR SWISS TYPE SLIDING AUTOMATIC LATHES / *WERKZEUGE FÜR LANGDREHAUTOMATEN* | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **SDACR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | 0808 X07-S | 51,00 € |
| | | 1010 K07-S | 53,00 € |
| | | 1212 G07-S | 53,00 € |
| | | 1212 K07-S | 56,00 € |
| | | 1616 F07-S | 56,00 € |
| | | 1616 K07-S | 58,00 € |
| | | 1212 G11-S | 53,00 € |
| | | 1212 K11-S | 56,00 € |
| | | 1616 F11-S | 56,00 € |
| | | 1616 K11-S | 58,00 € |
| | | 2020 K11-S | 61,00 € |
| 93° | **SDJCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | 0808 X07-S | 51,00 € |
| | | 1010 X07-S | 51,00 € |
| | | 1212 G07-S | 53,00 € |
| | | 1212 X07-S | 53,00 € |
| | | 1616 F07-S | 56,00 € |
| | | 1616 X07-S | 56,00 € |
| | | 2020 X07-S | 58,00 € |
| | | 1212 G11-S | 53,00 € |
| | | 1212 X11-S | 53,00 € |
| | | 1212 K11-S | 56,00 € |
| | | 1616 F11-S | 56,00 € |
| | | 1616 X11-S | 56,00 € |
| | | 1616 K11-S | 58,00 € |
| | | 2020 X11-S | 58,00 € |
| 91° | **STGCR / L**<br>**TC.T 1102..**<br>**TC.T 16T3..** | 1216 K11-S | 58,00 € |
| | | 1616 K11-S | 58,00 € |
| | | 1216 K16-S | 58,00 € |
| | | 1616 K16-S | 58,00 € |
| 90° | **STGCR / L**<br>**TC.T 16T3..** | 1216 K16-SHC | 123,00 € |
| | | 1616 K16-SHC | 123,00 € |
| 93° | **SVJBR / L**<br>**VBM. 1103..** | 1616 K11-S | 58,00 € |

SDACR 0808 X07-S, "-S": Swiss Type / *Werkzeuge für Langdrehautomaten*

Ordering Example /*Beispiel Bestellformular:* 1pcs. SDACR 0808 X07-S

## TOOLS FOR SWISS TYPE SLIDING AUTOMATIC LATHES / *WERKZEUGE FÜR LANGDREHAUTOMATEN*

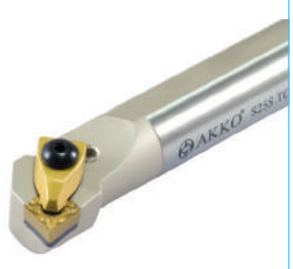
| | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **SVACR / L**<br>**VC.T 1103..**<br>**VC.T 1604..** | 0808 X11-S | 51.00 € |
| | | 1010 K11-S | 53.00 € |
| | | 1212 G11-S | 53.00 € |
| | | 1212 K11-S | 56.00 € |
| | | 1616 F11-S | 56.00 € |
| | | 1616 K11-S | 58.00 € |
| | | 2020 K11-S | 61.00 € |
| | | 1212 K16-S | 56.00 € |
| | | 1616 K16-S | 58.00 € |
| 93° | **SVJCR / L**<br>**VC.T 1103..** | 0808 X11-S | 51,00 € |
| | | 1010 K11-S | 53,00 € |
| | | 1212 G11-S | 53,00 € |
| | | 1212 K11-S | 56,00 € |
| | | 1616 F11-S | 56,00 € |
| | | 1616 K11-S | 58,00 € |
| | | 2020 K11-S | 61.00 € |

## SEC TOOLS

| | | | PRICE / PREIS |
|---|---|---|---|
| | ASTB-1212-L84-H | | 153,00 € |
| | ASTB-1616-L90-H | | 165,00 € |
| 93° | **SDJCR / L**<br>**DC.T 070202**<br>**DC.T 11T302** | 12X43.3-07 | 129,00 € |
| | | 12X43.3-07-H | 165,00 € |
| | | 16X43.3-07 | 129,00 € |
| | | 16X43.3-07-H | 165,00 € |
| | | 12X43.3-11 | 129,00 € |
| | | 12X43.3-11-H | 165,00 € |
| | | 16X43.3-11 | 129,00 € |
| | | 16X43.3-11-H | 165,00 € |
| 93° | **SVJCR / L**<br>**VC.T 110302** | 12X43.3-11 | 129,00 € |
| | | 12X43.3-11-H | 165,00 € |
| | | 16X43.3-11 | 129,00 € |
| | | 16X43.3-11-H | 165,00 € |
| 93° | **SER / L**<br>**TER / L**<br>**11 ER/EL**<br>**16 ER/EL** | SER/L-12x43.3-11 | 129,00 € |
| | | SER/L-16x43.3-11 | 129,00 € |
| | | TER/L-16x43.3-16 | 175,00 € |

Ordering Example / *Beispiel Bestellformular:* 1pcs. SVACR 0808 X11-S

AKKO®

| T - SYSTEM BORING BARS / *T-SYSTEM BOHRSTANGE* | | | PRICE / PREIS |
|---|---|---|---|
|  95° | **TCLNR / L**<br>**CNM. 0903..**<br>**CNM. 1204..**<br>**CNM. 1606..** | S25S TCLNR / L 09-Z | 78,00 € |
| | | S25S TCLNR / L 09 | 81,00 € |
| | | S25S TCLNR / L 12-Z | 78,00 € |
| | | S25S TCLNR / L 12 | 81,00 € |
| | | S32T TCLNR / L 12 | 100,00 € |
| | | S40U TCLNR / L 12 | 131,00 € |
| | | S50V TCLNR / L 12 | 158,00 € |
| | | S32T TCLNR / L 16 | 104,00 € |
| | | S40U TCLNR / L 16 | 139,00 € |
| | | S50V TCLNR / L 16 | 167,00 € |
| | | NEW A25R TCLNR / L 12 | 100,00 € |
| | | NEW A40T TCLNR / L 12 | 167,00 € |
| | | NEW A50V TCLNR / L 12 | 216,00 € |
| 62.5° | **TD-NR / L**<br>**DNM. 1506..** | S32T TD-NR / L 15 | 100,00 € |
| | | S40U TD-NR / L 15 | 131,00 € |
| | | S50V TD-NR / L 15 | 158,00 € |
| 107.5° | **TDQNR / L**<br>**DNM. 1104..**<br>**DNM. 1506..** | S25S TDQNR / L 11-Z | 78,00 € |
| | | S25S TDQNR / L 11 | 81,00 € |
| | | S32T TDQNR / L 11 | 100,00 € |
| | | S25S TDQNR / L 15 | 81,00 € |
| | | S32T TDQNR / L 15 | 100,00 € |
| | | S40U TDQNR / L 15 | 131,00 € |
| | | S50V TDQNR / L 15 | 158,00 € |
| 93° | **TDUNR / L**<br>**DNM. 1104..**<br>**DNM. 1506..** | S25S TDUNR / L 11-Z | 78,00 € |
| | | S25S TDUNR / L 11 | 81,00 € |
| | | S32T TDUNR / L 11 | 100,00 € |
| | | S25S TDUNR / L 15 | 81,00 € |
| | | S32T TDUNR / L 15 | 100,00 € |
| | | S40U TDUNR / L 15 | 131,00 € |
| | | S50V TDUNR / L 15 | 158,00 € |
| | | NEW A40T TDUNR / L 15 | 167,00 € |
| 75° | **TSKNR / L**<br>**SNM. 1204..** | S25S TSKNR / L 12-Z | 78,00 € |
| | | S25S TSKNR / L 12 | 81,00 € |
| | | S32T TSKNR / L 12 | 100,00 € |
| | | S40U TSKNR / L 12 | 131,00 € |

S20R TCLNR 09-Z, "-Z": Without Shim / *Ohne Unterlegplatte*
S25S TCLNR 09, "S": Steel Shank / *Ohne Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs. S25S TCLNR 09-Z

## T - SYSTEM BORING BARS / *T-SYSTEM BOHRSTANGE*

| | | | PRICE / PREIS |
|---|---|---|---|
| 60° | **TT-NR / L**<br>**TNM. 1604..** | S25S TT-NR / L 16 | 81,00 € |
| | | S32T TT-NR / L 16 | 100,00 € |
| 93° | **TTUNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | S25S TTUNR / L 16 | 81,00 € |
| | | S25S TTUNR / L 16 | 81,00 € |
| | | S32T TTUNR / L 16 | 100,00 € |
| | | S25S TTUNR / L 22 | 81,00 € |
| | | S32T TTUNR / L 22 | 100,00 € |
| | | S40U TTUNR / L 22 | 131,00 € |
| | | S50V TTUNR / L 22 | 158,00 € |
| 93° | **TVUNR / L**<br>**VNM. 1604..** | S25S TVUNR / L 16 | 81,00 € |
| | | S32T TVUNR / L 16 | 100,00 € |
| | | S40U TVUNR / L 16 | 131,00 € |
| 95° | **TWLNR / L**<br>**WNM. 0604..**<br>**WNM. 0804..** | S25S TWLNR / L 06-Z | 78,00 € |
| | | S25S TWLNR / L 06 | 81,00 € |
| | | S32T TWLNR / L 06 | 100,00 € |
| | | S25S TWLNR / L 08-Z | 78,00 € |
| | | S25S TWLNR / L 08 | 81,00 € |
| | | S32T TWLNR / L 08 | 100,00 € |
| | | S40U TWLNR / L 08 | 131,00 € |
| | | S50V TWLNR / L 08 | 158,00 € |
| | | A40T TWLNR / L 08 | 158,00 € |
| | | A50U TWLNR/L 08 | 192,00 € |

## C - SYSTEM BORING BARS / *BOHRSTANGE C-SYSTEM*

| | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **CKUNR / L**<br>**KNUX 1604..** | S25S CKUNR / L 16 | 81,00 € |
| | | S32T CKUNR / L 16 | 100,00 € |
| | | S40U CKUNR / L 16 | 131,00 € |
| | | S50V CKUNR / L 16 | 158,00 € |
| | **CTFPR / L**<br>**TP.. 1603..** | S16R CTFPR/L 16 | 71,00 € |
| | | S20S CTFPR/L 16 | 76,00 € |
| | | S25T CTFPR/L 16 | 81,00 € |

S20R TT-NR 16-Z, "-Z": Without Shim / *Ohne Unterlegplatte*
S25S TT-NR 16, "S": Steel Shank / *Ohne Innenkühlung*

Ordering Example / *Beispiel Bestellformular:* 1pcs. S25S TT-NR 16-Z

| M - SYSTEM BORING BARS / *BOHRSTANGE M-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 95° | **MCLNR / L**<br>**CNM. 1204..** | S20R MCLNR / L 12 | 70,00 € |
| | | S25S MCLNR / L 12-Z | 78,00 € |
| | | S25S MCLNR / L 12 | 81,00 € |
| | | S32T MCLNR / L 12 | 100,00 € |
| 93° | **MDUNR / L**<br>**DNM. 1104..**<br>**DNM. 1506..** | S20R MDUNR / L 11 | 70,00 € |
| | | S25S MDUNR / L 11 | 78,00 € |
| | | S32T MDUNR / L 11 | 100,00 € |
| | | S25S MDUNR / L 15-Z | 78,00 € |
| | | S25S MDUNR / L 15 | 81,00 € |
| | | S32T MDUNR / L 15 | 100,00 € |
| | | S40U MDUNR / L 15 | 131,00 € |
| | | S50V MDUNR / L 15 | 158,00 € |
| 90° | **MTFNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | S20R MTFNR / L 16 | 70,00 € |
| | | S25S MTFNR / L 16 | 81,00 € |
| | | S32T MTFNR / L 16 | 100,00 € |
| | | S40U MTFNR / L 16 | 131,00 € |
| | | S32T MTFNR / L 22 | 100,00 € |
| | | S40U MTFNR / L 22 | 131,00 € |
| | | S50V MTFNR / L 22 | 158,00 € |
| 60° | **MT-NR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | S20R MT-NR / L 16 | 70,00 € |
| | | S25S MT-NR / L 16-Z | 78,00 € |
| | | S25S MT-NR / L 16 | 81,00 € |
| | | S32T MT-NR / L 16 | 100,00 € |
| | | S40U MT-NR / L 16 | 131,00 € |
| | | S32T MT-NR / L 22 | 100,00 € |
| | | S40U MT-NR / L 22 | 131,00 € |
| | | S50U MT-NR / L 22 | 158,00 € |
| 107.5° | **MTQNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | S20R MTQNR / L 16 | 70,00 € |
| | | S25S MTQNR / L 16-Z | 78,00 € |
| | | S25S MTQNR / L 16 | 81,00 € |
| | | S32T MTQNR / L 16 | 100,00 € |
| | | S40U MTQNR / L 16 | 131,00 € |
| | | S32T MTQNR / L 22 | 100,00 € |
| | | S40U MTQNR / L 22 | 131,00 € |
| | | S50V MTQNR / L 22 | 158,00 € |

S20R MCLNR 12-Z, "-Z": Without Shim / *Ohne Unterlegplatte*
S25S MCLNR 12, "S": Steel Shank / *Ohne Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs. S20R MCLNR 12

## M - SYSTEM BORING BARS / *BOHRSTANGE M-SYSTEM*

93°

### MTUNR / L

**TNM. 1604..**
**TNM. 2204..**

| | PRICE / PREIS |
|---|---|
| S20R MTUNR / L 16 | 70,00 € |
| S25S MTUNR / L 16-Z | 78,00 € |
| S25S MTUNR / L 16 | 81,00 € |
| S32T MTUNR / L 16 | 100,00 € |
| S40U MTUNR / L 16 | 131,00 € |
| S50V MTUNR / L 16 | 131,00 € |
| S32T MTUNR / L 22 | 100,00 € |
| S40U MTUNR / L 22 | 131,00 € |
| S50V MTUNR / L 22 | 158,00 € |

95°

### MWLNR / L

**WNM. 0604..**
**WNM. 0804..**

| | PRICE / PREIS |
|---|---|
| S16P MWLNR / L 06 | 67,00 € |
| S20R MWLNR / L 06 | 70,00 € |
| S25S MWLNR / L 06 | 78,00 € |
| NEW S20R MWLNR / L 08 | 78,00 € |
| S25S MWLNR / L 08-Z | 78,00 € |
| S25S MWLNR / L 08 | 81,00 € |
| S32T MWLNR / L 08 | 100,00 € |
| S40U MWLNR / L 08 | 131,00 € |

## P - SYSTEM BORING BARS / *BOHRSTANGE P-SYSTEM*

95°

### PCLNR / L

**CNM. 0903..**
**CNM. 1204..**
**CNM. 1606..**
**CNM. 1906..**

| | PRICE / PREIS |
|---|---|
| S16P PCLNR / L 09 | 67,00 € |
| S20R PCLNR / L 09 | 70,00 € |
| S25S PCLNR / L 09 | 81,00 € |
| S25S PCLNR / L 12C | 81,00 € |
| S32T PCLNR / L 12C | 100,00 € |
| S40U PCLNR / L 12C | 131,00 € |
| S50V PCLNR / L 12C | 158,00 € |
| S32T PCLNR / L 16C | 104,00 € |
| S40U PCLNR / L 16C | 139,00 € |
| S50V PCLNR / L 16C | 167,00 € |
| S40U PCLNR / L 19C | 172,00 € |
| S50V PCLNR / L 19C | 200,00 € |
| A20P PCLNR/L 09 | 83,00 € |
| A25R PCLNR / L 12C | 100,00 € |
| NEW A25S PCLNR / L 12C | 112,00 € |
| A32S PCLNR / L 12C | 120,00 € |
| NEW A32T PCLNR / L 12C | 143,00 € |
| A40T PCLNR / L 12C | 158,00 € |
| A50U PCLNR / L 12C | 192,00 € |
| A32S PCLNR / L 16C | 125,00 € |
| A40T PCLNR / L 16C | 167,00 € |
| A50U PCLNR / L 16C | 200,00 € |
| A40T PCLNR / L 19C | 215,00 € |
| A50U PCLNR / L 19C | 239,00 € |

S25S MTUNR 16-Z, "-Z": Without Shim / *Ohne Unterlegplatte* / S25S PCLNR 12, "S": Steel Shank / *Ohne Innenkühlung*
A25R PCLNR 12, "A": Solid Steel With Coolant Hole / *Mit Innenkühlung*

Ordering Example / *Beispiel Bestellformular:* 1pcs. S20R MTUNR 16

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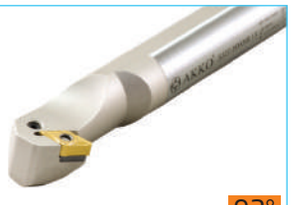
| P - SYSTEM BORING BARS / *BOHRSTANGE P-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 107.5° | **PDQNR / L**<br>**DNM. 1104..**<br>**DNM. 1504..**<br>**DNM. 1506..** | S20R PDQNR / L 11 | 70,00 € |
| | | S25S PDQNR / L 11 | 81,00 € |
| | | S32T PDQNR / L 15 | 100,00 € |
| | | S40U PDQNR / L 15 | 131,00 € |
| | | S50V PDQNR / L 15 | 158,00 € |
| | | S32T PDQNR / L 1504 | 100,00 € |
| | | S40U PDQNR / L 1504 | 131,00 € |
| | | S50V PDQNR / L 1504 | 158,00 € |
| | | A20P PDQNR / L 11 | 83,00 € |
| | | A25R PDQNR / L 11 | 100,00 € |
| | | A32S PDQNR / L 15 | 120,00 € |
| | | A40T PDQNR / L 15 | 158,00 € |
| | | A50U PDQNR / L 15 | 192,00 € |
| | | A32S PDQNR / L 1504 | 120,00 € |
| | | A40T PDQNR / L 1504 | 158.00 € |
|  93° | **PDXNR / L**<br>**DNM. 1506..** | S32T PDXNR / L 15 | 100,00 € |
| | | S40U PDXNR / L 15 | 131,00 € |
| | | S50V PDXNR / L 15 | 158,00 € |
| | | A32S PDXNR/L 15 | 120,00 € |
| | | A40T PDXNR/L 15 | 158,00 € |
| | | A50U PDXNR/L 15 | 192,00 € |
| 93° | **PDUNR / L**<br>**DNM. 1104..**<br>**DNM. 1506..** | S20R PDUNR / L 11 | 70,00 € |
| | | S25S PDUNR / L 11 | 81,00 € |
| | | S25S PDUNR / L 15 | 81,00 € |
| | | S32T PDUNR / L 15 | 100,00 € |
| | | S40U PDUNR / L 15 | 131,00 € |
| | | S50V PDUNR / L 15 | 158,00 € |
| | | A20P PDUNR / L 11 | 83,00 € |
| | | A25R PDUNR / L 11 | 100,00 € |
| | | NEW A25S PDUNR / L 11 | 112,00 € |
| | | A32S PDUNR / L 11 | 120,00 € |
| | | A32S PDUNR / L 15 | 120,00 € |
| | | A40T PDUNR / L 15 | 158,00 € |
| | | A50U PDUNR / L 15 | 192,00 € |
| 75° | **PSKNR / L**<br>**SNM. 1204..**<br>**SNM. 1506..** | S25S PSKNR / L 12C | 81,00 € |
| | | S32T PSKNR / L 12C | 100,00 € |
| | | S40U PSKNR / L 12C | 131,00 € |
| | | S50V PSKNR / L 12C | 158,00 € |
| | | S32T PSKNR / L 15 | 104,00 € |
| | | S40U PSKNR / L 15 | 139,00 € |
| | | S50V PSKNR / L 15 | 167,00 € |
| | | A25R PSKNR/L 12C | 100,00 € |
| | | A32S PSKNR/L 12C | 120,00 € |
| | | A32S PSKNR/L 15C | 125,00 € |
| | | A40T PSKNR/L 12C | 158,00 € |
| | | A40T PSKNR/L 15C | 167,00 € |
| | | A50U PSKNR/L 12C | 192,00 € |
| | | A50U PSKNR/L 15C | 200,00 € |

S25S PDQNR 11, "S": Steel Shank / *Ohne Innenkühlung*
A25R PDQNR 11, "A": Solid Steel With Coolant Hole / *Mit Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs.S20R PDQNR / L 11

## P - SYSTEM BORING BARS / *BOHRSTANGE P-SYSTEM*

| | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **PTFNR / L**<br>**TNM. 1604..** | A25R PTFNR/L 16C | 100,00 € |
| | | A32S PTFNR/L 16C | 100,00 € |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 93° | **PTUNR / L**<br>**TNM. 1604..**<br>**TNM. 2204..** | S16P PTUNR / L 16 | 67,00 € |
| | | S20R PTUNR / L 16 | 70,00 € |
| | | S25S PTUNR / L 16C | 81,00 € |
| | | S32T PTUNR / L 16C | 100,00 € |
| | | S40U PTUNR / L 16C | 131,00 € |
| | | S32T PTUNR / L 22C | 100,00 € |
| | | S40U PTUNR / L 22C | 131,00 € |
| | | S50V PTUNR / L 22C | 158,00 € |
| | | A16M PTUNR/L 16 | 50,00 € |
| | | A20P PTUNR/L 16 | 83,00 € |
| | | A25R PTUNR/L 16C | 100,00 € |
| | | A32S PTUNR/L 16C | 120,00 € |
| | | A32S PTUNR/L 22C | 120,00 € |
| | | A40T PTUNR/L 16C | 158,00 € |
| | | A40T PTUNR/L 22C | 158,00 € |
| 95° | **PWLNR / L**<br>**WNM. 0604..**<br>**WNM. 0804..** | S20R PWLNR / L 06 | 70,00 € |
| | | S25S PWLNR / L 06 | 81,00 € |
| | | S32T PWLNR / L 06 | 100,00 € |
| | | S25S PWLNR / L 08C | 81,00 € |
| | | S32T PWLNR / L 08C | 100,00 € |
| | | S40U PWLNR / L 08C | 131,00 € |
| | | S50V PWLNR / L 08C | 158,00 € |
| | | A16M PWLNR/L 06 | 50,00 € |
| | | A20P PWLNR / L 06 | 83,00 € |
| | | A25R PWLNR / L 06 | 100,00 € |
| | | A32S PWLNR / L 06 | 120,00 € |
| | | A40T PWLNR/L 06 | 158,00 € |
| | | A25R PWLNR / L 08C | 100,00 € |
| | | A32S PWLNR / L 08C | 120,00 € |
| | | A40T PWLNR / L 08C | 158,00 € |
| | | A50U PWLNR / L 08C | 192,00 € |
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S25S PWLNR 08, "S": Steel Shank / *Ohne Innenkühlung*
A25R PWLNR 08, "A": Solid Steel With Coolant Hole / *Mit Innenkühlung*

Ordering Example / *Beispiel Bestellformular:* 1pcs. A25R PTFNR 16C

## S - SYSTEM BORING BARS / *BOHRSTANGE S-SYSTEM*

95°

### SCLCR / L

**CC.T 0301..**
**CC.T 0602..**
**CC.T 09T3..**
**CC.T 1204..**

| | PRICE / PREIS |
|---|---|
| S0508H SCLCR / L 03 | 52,00 € |
| S0608H SCLCR / L 06 | 29,00 € |
| S08H SCLCR / L 06 | 29,00 € |
| S10K SCLCR / L 06 | 33,00 € |
| S12K SCLCR / L 06 | 35,00 € |
| S1216P SCLCR / L 06 | 40,00 € |
| S16P SCLCR / L 06 | 40,00 € |
| S12K SCLCR / L 09 | 35,00 € |
| S1416P SCLCR / L 09 | 40,00 € |
| S16P SCLCR / L 09 | 40,00 € |
| S1620R SCLCR / L 09 | 42,00 € |
| S20R SCLCR / L 09 | 42,00 € |
| S25S SCLCR / L 09-Z | 53,00 € |
| S25S SCLCR / L 09 | 56,00 € |
| S32T SCLCR / L 09 | 85,00 € |
| S25S SCLCR / L 12-Z | 53,00 € |
| S25S SCLCR / L 12 | 56,00 € |
| S32T SCLCR / L 12 | 85,00 € |
| S40U SCLCR / L 12 | 126,00 € |
| A08H SCLCR / L 06 | 35,00 € |
| A10H SCLCR / L 06 | 39,00 € |
| A12H SCLCR / L 06 | 42,00 € |
| A16M SCLCR / L 09 | 50,00 € |
| A20P SCLCR / L 09 | 51,00 € |
| A25R SCLCR / L 09 | 71,00 € |
| A32S SCLCR / L 09 | 108,00 € |
| A25R SCLCR / L 12 | 71,00 € |

90°

### SCFCR / L

**CC.T 0602..**
**CC.T 09T3..**

| | PRICE / PREIS |
|---|---|
| S08H SCFCR / L 06 | 29,00 € |
| S10K SCFCR / L 06 | 33,00 € |
| S12K SCFCR / L 06 | 35,00 € |
| S12K SCFCR / L 09 | 35,00 € |
| S16P SCFCR / L 09 | 40,00 € |
| S20R SCFCR / L 09 | 42,00 € |
| S25S SCFCR / L 09-Z | 53,00 € |
| S25S SCFCR / L 09 | 56,00 € |
| S25S SCFCR / L 12 | 56,00 € |
| S32T SCFCR / L 12 | 85,00 € |
| S40U SCFCR / L 12 | 126,00 € |
| A08H SCFCR/L 06 | 35,00 € |

62.5°

### SD-CR / L

**DC.T 0702..**
**DC.T 11T3..**

| | PRICE / PREIS |
|---|---|
| S10K SD-CR / L 07 | 33,00 € |
| S12K SD-CR / L 07 | 35,00 € |
| S16P SD-CR / L 07 | 40,00 € |
| S16P SD-CR / L 11 | 40,00 € |
| S20R SD-CR / L 07 | 42,00 € |
| S20R SD-CR / L 11 | 42,00 € |
| S25S SD-CR / L 11-Z | 53,00 € |
| S25S SD-CR / L 11 | 56,00 € |
| S32T SD-CR / L 11 | 85,00 € |
| S40U SD-CR / L 11 | 126,00 € |

S25S SCLCR 09-Z, "-Z": Without Shim / *Ohne Unterlegplatte* / S25S SCLCR 09, "S": Steel Shank / *Ohne Innenkühlung*
A25R SCLCR 09, "A": Solid Steel With Coolant Hole / *Mit Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs. S0608H SCLCR 03

## S - SYSTEM BORING BARS / *BOHRSTANGE S-SYSTEM*

### SDPCR / L

**DC.T 0702..**
**DC.T 11T3..**

| | PRICE / PREIS |
|---|---|
| S10K SDPCR / L 07 | 33,00 € |
| S12K SDPCR / L 07 | 35,00 € |
| S16P SDPCR / L 11 | 40,00 € |
| S20R SDPCR / L 11 | 42,00 € |
| S25S SDPCR / L 11 | 56,00 € |

### SDQCR / L

**DC.T 0702..**
**DC.T 11T3..**

| | PRICE / PREIS |
|---|---|
| S10K SDQCR / L 07 | 33,00 € |
| S12K SDQCR / L 07 | 35,00 € |
| S16P SDQCR / L 07 | 40,00 € |
| S20R SDQCR / L 07 | 42,00 € |
| S16P SDQCR / L 11 | 40,00 € |
| S20R SDQCR / L 11 | 42,00 € |
| S25S SDQCR / L 11-Z | 53,00 € |
| S25S SDQCR / L 11 | 56,00 € |
| S32T SDQCR / L 11 | 85,00 € |
| S40U SDQCR / L 11 | 126,00 € |
| A10H SDQCR / L 07 | 39,00 € |
| A12H SDQCR / L 07 | 42,00 € |
| A16M SDQCR / L 07 | 50,00 € |
| A20P SDQCR / L 07 | 51,00 € |
| A16M SDQCR / L 11 | 50,00 € |
| A20P SDQCR / L 11 | 51,00 € |
| A25R SDQCR / L 11 | 71,00 € |
| A32S SDQCR / L 11 | 108,00 € |

### SDUCR / L

**DC.T 0702..**
**DC.T 11T3..**

| | PRICE / PREIS |
|---|---|
| S0810K SDUCR / L 07 | 34,00 € |
| S10K SDUCR / L 07 | 33,00 € |
| S12K SDUCR / L 07 | 35,00 € |
| S1216P SDUCR / L 07 | 40,00 € |
| S1416P SDUCR / L 07 | 40,00 € |
| S16P SDUCR / L 07 | 40,00 € |
| S20R SDUCR / L 07 | 42,00 € |
| S1416P SDUCR / L 11 | 40,00 € |
| S16P SDUCR / L 11 | 40,00 € |
| S1620R SDUCR / L 11 | 42,00 € |
| S20R SDUCR / L 11 | 42,00 € |
| S25S SDUCR / L 11-Z | 53,00 € |
| S25S SDUCR / L 11 | 56,00 € |
| NEW S25T SDUCR / L 11 | 66,00 € |
| S32T SDUCR / L 11 | 85,00 € |
| S40U SDUCR / L 11 | 126,00 € |
| S50V SDUCR / L 11 | 152,00 € |
| A0810H SDUCR / L 07 | 39,00 € |
| A10H SDUCR / L 07 | 39,00 € |
| A12H SDUCR / L 07 | 42,00 € |
| A16M SDUCR / L 07 | 50,00 € |
| A20P SDUCR / L 07 | 51,00 € |
| A16M SDUCR / L 11 | 50,00 € |
| A20P SDUCR / L 11 | 51,00 € |
| A25R SDUCR / L 11 | 71,00 € |
| NEW A25T SDUCR / L 11 | 134,00 € |
| A32S SDUCR / L 11 | 108,00 € |
| NEW A50U SDUCR /L 11 | 182,00 € |

S25S SDQCR 11-Z, "-Z": Without Shim / *Ohne Unterlegplatte* / S25S SDQCR 11, "S": Steel Shank / *Ohne Innenkühlung*
A25R SDQCR 11, "A": Solid Steel With Coolant Hole / *Mit Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs. S10K SDPCR 07

AKKO®

| S - SYSTEM BORING BARS / *BOHRSTANGE S-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **SDXCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | S12K SDXCR / L 07 | 35,00 € |
| | | S16P SDXCR / L 07 | 40,00 € |
| | | S20R SDXCR / L 07 | 42,00 € |
| | | S16P SDXCR / L 11 | 40,00 € |
| | | S20R SDXCR / L 11 | 42,00 € |
| | | S25S SDXCR / L 11-Z | 53,00 € |
| | | S25S SDXCR / L 11 | 56,00 € |
| | | S32T SDXCR / L 11 | 85,00 € |
| | | S40U SDXCR / L 11 | 126,00 € |
| | | A12H SDXCR/L 07 | 42,00 € |
| | | A16M SDXCR/L 07 | 50,00 € |
| | | A16M SDXCR/L 11 | 50,00 € |
| | | A20P SDXCR/L 07 | 51,00 € |
| | | A20P SDXCR/L 11 | 51,00 € |
| | | A25R SDXCR/L 11 | 71,00 € |
| | | A32S SDXCR/L 11 | 108,00 € |
| -° | **SRGCR / L**<br>**RC.T 0803..** | S16P SRGCR / L 08 | 50,00 € |
| | | S20R SRGCR / L 08 | 51,00 € |
| | | S25S SRGCR / L 08C | 71,00 € |
| | | S32T SRGCR / L 08C | 108,00 € |
| | | S40U SRGCR / L 08C | 152,00 € |
| | | A16M SRGCR/L 08 | 80,00 € |
| | | A20P SRGCR/L 08 | 85,00 € |
| | | A25R SRGCR/L 08C | 115,00 € |
| | | A32S SRGCR/L 08C | 166,00 € |
| | | A40T SRGCR/L 08C | 241,00 € |
| 45° | **SSSCR / L**<br>**SC.T 09T3..**<br>**SC.T 1204..** | S16P SSSCR / L 09 | 40,00 € |
| | | S20R SSSCR / L 09 | 42,00 € |
| | | S25S SSSCR / L 09 | 56,00 € |
| | | S25S SSSCR / L 09-Z | 53,00 € |
| | | S25S SSSCR / L 12 | 56,00 € |
| | | S32T SSSCR / L 12 | 85,00 € |
| | | S40U SSSCR / L 12 | 126,00 € |
| 60° | **ST-CR / L**<br>**TC.T 1102..**<br>**TC.T 16T3..** | S12K ST-CR / L 11 | 35,00 € |
| | | S16P ST-CR / L 11 | 40,00 € |
| | | S20R ST-CR / L 11 | 42,00 € |
| | | S16P ST-CR / L 16 | 40,00 € |
| | | S20R ST-CR / L 16 | 42,00 € |
| | | S25S ST-CR / L 16-Z | 53,00 € |
| | | S25S ST-CR / L 16 | 56,00 € |
| | | S32T ST-CR / L 16 | 85,00 € |
| | | S40U ST-CR / L 16 | 126,00 € |

S25S SDXCR / L 11-Z, "-Z": Without Shim / *Ohne Unterlegplatte*
S25S SSSCR 09, "S": Steel Shank / *Ohne Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs. S12K SDXCR 07

| S - SYSTEM BORING BARS / *BOHRSTANGE S-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **STFCR / L**<br>**TC.T 06T1..**<br>**TC.T 0902..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | S0610F STFCR / L 06 | 42,00 € |
| | | S08H STFCR / L 06 | 29,00 € |
| | | S10K STFCR / L 09 | 33,00 € |
| | | S12K STFCR / L 09 | 35,00 € |
| | | S12K STFCR / L 11 | 35,00 € |
| | | S16P STFCR / L 11 | 40,00 € |
| | | S20R STFCR / L 11 | 42,00 € |
| | | S16P STFCR / L 16 | 40,00 € |
| | | S20R STFCR / L 16 | 42,00 € |
| | | S25S STFCR / L 16 | 56,00 € |
| | | S25S STFCR / L 16 | 56,00 € |
| | | S32T STFCR / L 16 | 85,00 € |
| | | S40U STFCR / L 16 | 126,00 € |
| | | A10H STFCR/L 11 | 39,00 € |
| | | A12H STFCR/L 11 | 42,00 € |
| | | A16M STFCR/L 11 | 50,00 € |
| 93° | **STUCR / L**<br>**TC.T 0902..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | S10K STUCR / L 09 | 33,00 € |
| | | S12K STUCR / L 09 | 35,00 € |
| | | S12K STUCR / L 11 | 35,00 € |
| | | S16P STUCR / L 11 | 40,00 € |
| | | S20R STUCR / L 11 | 42,00 € |
| | | S16P STUCR / L 16 | 40,00 € |
| | | S20R STUCR / L 16 | 42,00 € |
| | | S25S STUCR / L 16-Z | 53,00 € |
| | | S25S STUCR / L 16 | 56,00 € |
| | | S32T STUCR / L 16 | 85,00 € |
| | | S40U STUCR / L 16 | 126,00 € |
| | | A10H STUCR/L 09 | 39,00 € |
| | | A12H STUCR/L 09 | 42,00 € |
| | | A12H STUCR/L 11 | 42,00 € |
| | | A16M STUCR/L 11 | 50,00 € |
| | | A16M STUCR/L 16 | 50,00 € |
| | | A20P STUCR/L 11 | 51,00 € |
| | | A20P STUCR/L 16 | 51,00 € |
| | | A25R STUCR/L 16 | 71,00 € |
| | | A32S STUCR/L 16 | 108,00 € |
| 93° | **STUPR / L**<br>**TP.. 0802..**<br>**TP.. 1103..** | S08H STUPR / L 0802 | 37,00 € |
| | | S10K STUPR / L 1103 | 39,00 € |
| | | S12K STUPR / L 1103 | 42,00 € |
| | | S12M STUPR / L 1103 | 48,00 € |
| | | S16P STUPR / L 1103 | 49,00 € |
| | | S16R STUPR / L 1103 | 58,00 € |
| | | A20R STUPR/L 1103 | 57,00 € |

Ordering Example /*Beispiel Bestellformular:* 1pcs. S0610F STFCR 06

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| S - SYSTEM BORING BARS / *BOHRSTANGE S-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **SVJBR / L**<br>**VBM. 1604..** | S25S SVJBR / L 16 | 67,00 € |
| | | S32T SVJBR / L 16 | 85,00 € |
| | | S40U SVJBR / L 16 | 126,00 € |
| 107.5° | **SVQBR / L**<br>**VBM. 1103..**<br>**VBM. 1604..** | S16P SVQBR / L 11 | 40,00 € |
| | | S20R SVQBR / L 11 | 42,00 € |
| | | S25S SVQBR / L 16-Z | 64,00 € |
| | | S25S SVQBR / L 16 | 67,00 € |
| | | S32T SVQBR / L 16 | 85,00 € |
| | | S40U SVQBR / L 16 | 126,00 € |
| | | A20Q SVQBR / L 11 | 51,00 € |
| | | A20Q SVQBR / L 16 | 51,00 € |
| | | A25S SVQBR / L 16 | 84,00 € |
| | | A32S SVQBR / L 16 | 108,00 € |
| 107.5° | **SVQCR / L**<br>**VC.T 1103..**<br>**VC.T 1604..** | S16P SVQCR / L 11 | 40,00 € |
| | | S20R SVQCR / L 11 | 42,00 € |
| | | S25S SVQCR / L 16-Z | 64,00 € |
| | | S25S SVQCR / L 16 | 67,00 € |
| | | S32T SVQCR / L 16 | 85,00 € |
| | | S40U SVQCR / L 16 | 126,00 € |
| | | A16M SVQCR/L 11 | 50,00 € |
| | | A20P SVQCR/L 11 | 51,00 € |
| | | A25R SVQCR/L 16 | 84,00 € |
| | | A32S SVQCR/L 16 | 108,00 € |
| | | A40T SVQCR/L 16 | 152,00 € |
| 93° | **SVUBR / L**<br>**VBM. 1103..**<br>**VBM. 1604..** | S16P SVUBR / L 11 | 40,00 € |
| | | S20R SVUBR / L 11 | 42,00 € |
| | | S25S SVUBR / L 16-Z | 64,00 € |
| | | S25S SVUBR / L 16 | 67,00 € |
| | | S32T SVUBR / L 16 | 85,00 € |
| | | S40U SVUBR / L 16 | 126,00 € |
| | | A20Q SVUBR / L 16 | 51,00 € |
| | | A32S SVUBR / L 16 | 108,00 € |
| 93° | **SVUCR / L**<br>**VC.T 1103..**<br>**VC.T 1604..** | S16P SVUCR / L 11 | 40,00 € |
| | | S20R SVUCR / L 11 | 42,00 € |
| | | S25S SVUCR / L 16-Z | 64,00 € |
| | | S25S SVUCR / L 16 | 67,00 € |
| | | S32T SVUCR / L 16 | 85,00 € |
| | | S40U SVUCR / L 16 | 126,00 € |
| | | A12K SVUCR / L 07 | 47,00 € |
| | | A20P SVUCR/L 11 | 51,00 € |
| | | A20Q SVUCR / L 11 | 51,00 € |
| | | A25R SVUCR / L 16 | 84,00 € |

S25S SVQBR 16-Z, "-Z": Without Shim / *Ohne Unterlegplatte*
S25 SVQBR 16, "S": Steel Shank / *Ohne Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs.S25S SVJBR 16

| S - SYSTEM BORING BARS / *BOHRSTANGE S-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **SVXBR / L**<br>**VBM. 1102..**<br>**VBM. 1103..**<br>**VBM. 1604..** | S16P SVXBR / L 1102 | 62,00 € |
| | | S20R SVXBR / L 1102 | 64,00 € |
| | | S16P SVXBR / L 11 | 40,00 € |
| | | S20R SVXBR / L 11 | 42,00 € |
| | | S25S SVXBR / L 16 | 67,00 € |
| | | S32T SVXBR / L 16 | 85,00 € |
| | | S40U SVXBR / L 16 | 126,00 € |
| 93° | **SVJCR / L**<br>**VC.T 1103..** | S12K SVJCR / L 11 | 42,00 € |
| | | S16P SVJCR / L 11 | 49,00 € |
| | | S20R SVJCR / L 11 | 50,00 € |
| | | A12H SVJCR/L 11 | 42,00 € |
| | | A16M SVJCR/L 11 | 61,00 € |
| | | A20P SVJCR/L 11 | 62,00 € |
| 95° | **SWLCR**<br>**WC.. 0302..** | S0608H SWLCR 03 | 29,00 € |
| | | S0810K SWLCR 03 | 33,00 € |
| | | | |
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| | | | |
| 93° | **SWUBR**<br>**WBGT 060102-L** | S08H SWUBR 06-5.5 | 38,00 € |
| | | S08H SWUBR 06-7 | 38,00 € |
| | | NEW S08H SWUBL 06-5.5 | 38,00 € |
| | | S0610H SWUBR 06 | 48,00 € |
| | | | |

| S-SYSTEM BORING BARS WITH CARBIDE SHANK / *BOHRSTANGE MIT VOLLHARTMETALLSCHAFT* | | | PRICE / PREIS |
|---|---|---|---|
| 95° | **SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..** | NEW C04G SCLCR / L 03 | 105,00 € |
| | | NEW C05H SCLCR / L 03 | 116,00 € |
| | | NEW C06J SCLCR / L 04 | 127,00 € |
| | | NEW C07K SCLCR / L 04 | 141,00 € |
| | | C06J SCLCR / L 06 | 139,00 € |
| | | E08K SCLCR / L 06 | 155,00 € |
| | | E10M SCLCR / L 06 | 224,00 € |
| | | E12Q SCLCR / L 06 | 317,00 € |
| | | E16R SCLCR / L 09 | 375,00 € |
| | | E20S SCLCR / L 09 | 721,00 € |
| 93° | **SDUCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | E10M SDUCR / L 07 | 224,00 € |
| | | E12Q SDUCR / L 07 | 317,00 € |
| | | E16R SDUCR / L 11 | 375,00 € |
| | | E20S SDUCR / L 11 | 721,00 € |
| | | | |
| | | | |
| 90° | **STFCR / L**<br>**TC.T 0902..**<br>**TC.T 1102..** | E10M STFCR 09 | 224,00 € |
| | | E12Q STFCR 09 | 317,00 € |
| | | E12Q STFCR 11 | 317,00 € |
| | | | |
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S16P SVXBR 1102, "S": Steel Shank / *Ohne Innenkühlung*

E08K SCLCR 06, "E": Carbide Bar with Fixed Steel Head and Coolant Hole / *Vollhartmetall-Bohrstange Mit Gelötetem Stahlkopf und Innenkühlung*

Ordering Example /*Beispiel Bestellformular:* 1pcs. S16P SVXBR 1102

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| S-SYSTEM BORING BARS WITH CARBIDE SHANK / *BOHRSTANGE MIT VOLLHARTMETALLSCHAFT* | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **STUPR / L**<br>**TP.. 1103..** | E12Q STUPR/L 1103 | 317,00 € |
| | | E16R STUPR/L 1103 | 375,00 € |

| S-SYSTEM BORING BARS SETS / *BOHRSTANGEN-SET S-SYSTEM* | | | PRICE / PREIS |
|---|---|---|---|
| 95° | **SET-A/SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..** | A08H SCLCR / L 06 | 197,00 € |
| | | A10H SCLCR / L 06 | |
| | | A12H SCLCR / L 06 | |
| | | A16M SCLCR / L 09 | |
| 95° | **SET-E/SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..** | E08K SCLCR / L 06 | 1.107,00 € |
| | | E10M SCLCR / L 06 | |
| | | E12Q SCLCR / L 06 | |
| | | E16R SCLCR / L 09 | |
| 95° | **SET-S/SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..** | S08H SCLCR / L 06 | 169,00 € |
| | | S10K SCLCR / L 06 | |
| | | S12K SCLCR / L 06 | |
| | | S16P SCLCR / L 09 | |
| 93° | **SET-A/SDUCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | A10H SDUCR / L 07 | 165,00 € |
| | | A12H SDUCR / L 07 | |
| | | A16M SDUCR / L 11 | |
| 93° | **SET-E/SDUCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | E10M SDUCR / L 07 | 954,00 € |
| | | E12Q SDUCR / L 07 | |
| | | E16R SDUCR / L 11 | |
| 93° | **SET-S/SDUCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | S10K SDUCR / L 07 | 140,00 € |
| | | S12K SDUCR / L 07 | |
| | | S16P SDUCR / L 11 | |

Ordering Example/*Beispiel Bestellformular:* 1pcs. E12Q STUPR 1103

## ANTI VIBRATION TOOLS / *SCHWINGUNGSGEDÄMPFTE BOHRSTANGEN*

| ANTI VIBRATION TOOLS SHANK / *SCHAFT FÜR SCHWINGUNGSGEDÄMPFTE BORSTANGE* | | PRICE / PREIS |
|---|---|---|
| ATTB-D16-156-7D-H | | 2060,00 € |
| ATTB-D16-204-10D-H-E | auf Anfrage | [redacted] |
| ATTB-D20-200-7D-H | | 1287,00 € |
| ATTB-D20-260-10D-H-E | auf Anfrage | [redacted] |
| ATTB-D25-255-7D-H | | 1268,00 € |
| ATTB-D25-330-10D-H | auf Anfrage | [redacted] |
| ATTB-D32-320-7D-H | | 1454,00 € |
| ATTB-D32-416-10D-H | auf Anfrage | [redacted] |
| ATTB-D40-408-7D-H | | 1640,00 € |
| ATTB-D40-528-10D-H | auf Anfrage | [redacted] |
| ATTB-D50-519-7D-H | | 2022,00 € |
| ATTB-D50-669-10D-H | auf Anfrage | [redacted] |
| ATTB-D60-628-7D-H | | 2396,00 € |
| ATTB-D60-808-10D-H | auf Anfrage | [redacted] |

| ANTI VIBRATION TOOLS CARTRIDGES / *WECHSELKOPF FÜR SCHWINGUNGSGEDÄMPFTE BORSTANGE* | | | PRICE / PREIS |
|---|---|---|---|
| 93° | **SDUCR / L**<br>**DC.T 0702..**<br>**DC.T 11T3..** | ATTC-A16 SDUCR/L 07 | 152,00 € |
| | | ATTC-A20 SDUCR/L 11 | 157,00 € |
| | | ATTC-A25 SDUCR/L 11 | 195,00 € |
| | | ATTC-A32 SDUCR/L 11 | 233,00 € |
| | | ATTC-A40 SDUCR/L 11 | 233,00 € |
| 95° | **SCLCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | ATTC-A16 SCLCR/L 06 | 152,00 € |
| | | ATTC-A20 SCLCR/L 09 | 157,00 € |
| | | ATTC-A25 SCLCR/L 09 | 195,00 € |
| | | ATTC-A32 SCLCR/L 09 | 233,00 € |
| | | ATTC-A40 SCLCR/L 12 | 233,00 € |
| 93° | **SVUCR / L**<br>**VC.T 1103..**<br>**VC.T 1604..** | ATTC-A20 SVUCR/L 11 | 157,00 € |
| | | ATTC-A25 SVUCR/L 11 | 195,00 € |
| | | ATTC-A32 SVUCR/L 16 | 233,00 € |
| | | ATTC-A40 SVUCR/L 16 | 233,00 € |
| 93° | **TDUNR / L**<br>**DNM. 1104..**<br>**DNM. 1506..** | ATTC-A32 TDUNR/L 11 | 233,00 € |
| | | ATTC-A40 TDUNR/L 15 | 233,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATTB-D16-156-7D-H

| ANTI VIBRATION TOOLS CARTRIDGES / *WECHSELKOPF FÜR SCHWINGUNGSGEDÄMPFTE BORSTANGE* | | | PRICE / PREIS |
|---|---|---|---|
| 95° | **TCLNR / L**<br>**CNM. 1204..** | ATTC-A32 TCLNR/L 12 | 233,00 € |
| | | ATTC-A40 TCLNR/L 12 | 233,00 € |
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| CENTERING INSTRUMENT / *ZENTRIERWERKZEUG* | | | PRICE / PREIS |
|---|---|---|---|
| -° | **ATTC** | ATTC-16-25 | 54,00 € |
| | | ATTC-32-60 | 71,00 € |
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Ordering Example/*Beispiel Bestellformular:* 1pcs. ATTC-A32 TCLNR 12

| CARTRIDGE / *KURZDREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **SCACR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | S10X SCACR / L 06 | 42,00 € |
| | | S10A SCACR / L 06 | 42,00 € |
| | | S1018 SCACR / L 06 | 42,00 € |
| | | S1065 SCACR / L 06 | 42,00 € |
| | | S10C SCACR / L 06 | 42,00 € |
| | | S12B SCACR / L 06 | 44,00 € |
| | | S12D SCACR / L 06 | 51,00 € |
| | | S12D SCACR / L 09 | 51,00 € |
| | | S1265 SCACR / L 09 | 51,00 € |
| | | S12H SCACR / L 09 | 51,00 € |
| | | S15C SCACR / L 09 | 51,00 € |
| | | S1554 SCACR / L 09 | 51,00 € |
| | | S15E SCACR / L 09 | 51,00 € |
| | | S15D SCACR / L 09 | 51,00 € |
| | | S16A SCACR / L 09 | 51,00 € |
| | | S16B SCACR / L 09 | 51,00 € |
| | | S16C SCACR / L 09 | 51,00 € |
| | | S16D SCACR / L 09 | 51,00 € |
| | | S16E SCACR / L 09 | 51,00 € |
| | | S16G SCACR / L 09 | 51,00 € |
| | | S16H SCACR / L 09 | 51,00 € |
| | | S1868 SCACR / L 09 | 54,00 € |
| | | S18E SCACR / L 09 | 54,00 € |
| | | S1888 SCACR / L 09 | 54,00 € |
| | | S18105 SCACR / L 09 | 54,00 € |
| | | S18175 SCACR / L 09 | 91,00 € |
| | | S20E SCACR / L 09 | 54,00 € |
| | | S20E SCACR / L 12 | 54,00 € |
| | | S20H SCACR / L 12 | 54,00 € |
| 50° | **SCMCN**<br>**CC.T 0602..**<br>**CC.T 09T3..** | S10X SCMCN 06 | 42,00 € |
| | | NEW S10A SCMCN 06 | 42,00 € |
| | | NEW S10B SCMCN 06 | 42,00 € |
| | | NEW S10C SCMCN 06 | 42,00 € |
| | | NEW S10D SCMCN 06 | 42,00 € |
| | | S12D SCMCN 06 | 51,00 € |
| | | S16C SCMCN 09 | 51,00 € |
| | | S16D SCMCN 09 | 51,00 € |
| -° | **SRSCN**<br>**RC. 10T3** | S12D SRSCN 10 | 51,00 € |
| | | S14D SRSCN 10 | 51,00 € |
| | | S16D SRSCN 10 | 51,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. S10X SCACR 06

| CARTRIDGE / *KURZDREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| -° | **STXCR / L**<br>**TC.T 16T3..** | STXCR / L 2020 B16 | 67,00 € |
| | | STXCR / L 2020 E16 | 67,00 € |
| | | STXCR / L 2020 B16-SA | 67,00 € |
| | | STXCR / L 2020 E16-SA | 67,00 € |
| | | STXCR / L 2020 B16-PL | 67,00 € |
| | | STXCR / L 2020 E16-PL | 67,00 € |
| | | STXCR / L 2020 H16-PL | 67,00 € |
| 90° | **SCFCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | SCFCR / L 06CA 06 | 53,00 € |
| | | SCFCR / L 08CA 06 | 53,00 € |
| | | SCFCR / L 10CA 09 | 53,00 € |
| | | SCFCR / L 12CA 12 | 53,00 € |
| | | SCFCR / L 16CA 12 | 59,00 € |
| 45° | **SCSCR / L**<br>**CC.T 0602..**<br>**CC.T 09T3..**<br>**CC.T 1204..** | SCSCR / L 06CA 06 | 53,00 € |
| | | SCSCR / L 10CA 09 | 53,00 € |
| | | SCSCR / L 12CA 12 | 53,00 € |
| 75° | **SSKCR / L**<br>**SC.T 09T3..** | SSKCR / L 10CA 09 | 53,00 € |
| | | SSKCR / L 12CA 12 | 53,00 € |
| 90° | **CTFPR / L**<br>**TP.. 16**<br>**TP.. 22** | CTFPR / L 13CS 16 | 76,00 € |
| | | CTFPR / L 15CS 22 | 76,00 € |
| 45° | **CTSPR / L**<br>**TP.. 11** | CTSPR / L 11.5CS 11 | 76,00 € |
| 95° | **MSYNR / L**<br>**SNM. 1204..** | MSYNR / L 11.5CS 12 | 76,00 € |
| | | MSYNR / L 16CS 12 | 76,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. STXCR 2020 B16

| CARTRIDGE / *KURZDREHHALTER* | | | PRICE / PREIS |
|---|---|---|---|
| 90° | **STFCR / L**<br>TC.T 0902..<br>TC.T 1102..<br>TC.T 16T3.. | STFCR / L 08CA 09 | 53,00 € |
| | | STFCR / L 10CA 11 | 53,00 € |
| | | STFCR / L 12CA 16 | 53,00 € |
| | | STFCR / L 16CA 16 | 59,00 € |
| 45° | **STSCR / L**<br>TC.T 0902..<br>TC.T 1102..<br>TC.T 16T3.. | STSCR / L 08CA 09 | 53,00 € |
| | | STSCR / L 10CA 11 | 53,00 € |
| | | STSCR / L 12CA 16 | 53,00 € |
| 60° | **STTCR / L**<br>TC.T 0902..<br>TC.T 1102.. | STTCR / L 08CA 09 | 53,00 € |
| | | STTCR / L 10CA 11 | 53,00 € |
| | | NEW STTCR / L 12CA 16 | 53,00 € |
| 75° | **PSKNR / L**<br>SNM. 1204.. | PSKNR / L 16CA 12 | 84,00 € |
| 75° | **PSRNR / L**<br>SNM. 1204.. | PSRNR / L 16CA 12 | 84,00 € |
| 90° | **PTFNR / L**<br>TNM. 1604.. | PTFNR / L 12CA 16 | 80,00 € |
| | | PTFNR / L 16CA 16 | 84,00 € |
| | | NEW PTFNR / L 16CA 22 | 86,00 € |
| | | NEW PTFNR / L 20CA 22 | 92,00 € |
| 90° | **PTGNR / L**<br>TNMG 2204.. | PTGNR/L 16CA 22 | 86,00 € |
| 45° | **PSDNN**<br>SNM. 1204.. | S22D PSDNN 12C | 131,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. STFCR 08CA 09

## PIPE BEVELING AND CHAMFERING TOOLS / *ROHRENDENANFASWERKZEUG*

| | | PRICE / PREIS |
|---|---|---|
| | **ACPBT** | |
| | ACPBT-1 | 549,00 € |
| | ACPBT-2 | 549,00 € |
| | ACPBT-3 | 549,00 € |
| | ACPBT-4 | 549,00 € |
| | ACPBT-5 | 549,00 € |
| | ACPBT-6 | 549,00 € |
| | ACPBT-7 | 549,00 € |
| | ACPBT-8 | 549,00 € |
| | **ACPBT** | |
| | ACPBT-9 | 549,00 € |
| | ACPBT-10 | 549,00 € |

## PIPE BEVELING AND CHAMFERING TOOLS BODY / *TRÄGER ROHRENDENANFASWERKZEUG*

| | | PRICE / PREIS |
|---|---|---|
| | **ÖTG** | |
| | ÖTG-K-120-20 | 328,00 € |

## PIPE BEVELING AND CHAMFERING TOOLS CARTRIDGE / *KASSETTE FÜR ROHRENDENANFASWERKZEUG*

| | | PRICE / PREIS |
|---|---|---|
| | **ÖTG-TC..**<br>**TC.T 1102..**<br>**TC.T 16T3..** | |
| | ÖTG-TC11-4IL | 81,00 € |
| | ÖTG-TC11-4IR | 81,00 € |
| | ÖTG-TC16-1AL | 81,00 € |
| | ÖTG-TC16-1AR | 81,00 € |
| | ÖTG-TC16-2DL | 81,00 € |
| | ÖTG-TC16-2DR | 81,00 € |
| | ÖTG-TC16-3IL | 81,00 € |
| | ÖTG-TC16-3IR | 81,00 € |

| | EXTERNAL THREADING TOOLHOLDERS FOR SWISS TYPE SLIDING AUTOMATIC LATHES<br>*AUSSEN-GEWINDEDREHHALTER FÜR LANGDREHAUTOMATEN* | CUTTING INSERT<br>*WENDE PLATTE* | PRICE / PREIS |
|---|---|---|---|
| | SER / L 1010 K11-S | | 49,00 € |
| | SER / L 1212 K11-S | 11 ER / EL | 50,00 € |
| | NEW SER / L 1212 K16-S | 16 ER 3.5 | 50,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ACPBT-1

| EXTERNAL THREADING TOOLHOLDERS / *INNEN-GEWINDEDREHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| SER / L 0808 E11 | | 43,00 € |
| SER / L 1010 E11 | 11 ER / L | 43,00 € |
| SER / L 1212 F11 | | 44,00 € |
| SER / L 1616 H11 | | 44,00 € |
| SER/L 2020 H11 | | 51,00 € |
| SER / L 1616 H16C | 16 ER / L | 49,00 € |
| SER / L 2020 K16C | (0.35-3) | 51,00 € |
| SER / L 2525 M16C | ISO METRIC | 54,00 € |
| SER / L 3232 P16C | | 64,00 € |
| SER / L 2525 M22C | 22 ER / L | 61,00 € |
| SER / L 3232 P22C | (3.5-4.5) | 70,00 € |
| SER / L 4040 S22C | ISO METRIC | 105,00 € |
| SER / L 2525 M16C-T | 16 ER / L (1.5-3) TR | 54,00 € |
| SER / L 2525 M22C-T | 22 ER / L (4-6) TR | 61,00 € |
| SER / L 2020 K16C-S | SNDVK 166 | 65,00 € |
| SER / L 2525 M16C-S | ER / L 16 | 69,00 € |
| SER / L 3232 P16C-S | | 79,00 € |

| INTERNAL THREADING TOOLHOLDERS / *GEWINDE-DREHHALTER FÜR INNEN* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| SIR / L S12X05H 06 | 06 IR / L | 61,00 € |
| SIR / L S16X05H 06 | | 61,00 € |
| SIR / L S16X07M 08 | 08 IR / L | 43,00 € |
| SIR / L S10H 11 | | 43,00 € |
| SIR / L S12K 11 | 11 IR / L | 43,00 € |
| SIR / L S16X10M 11 | ISO | 43,00 € |
| SIR / L S16X13M 11 | | 43,00 € |
| SIR / L S16M 11 | | 43,00 € |
| SIR / L S16x13M 16 | | 43,00 € |
| SIR / L S16M 16 | | 43,00 € |
| SIR / L S20x16P 16 | 16 IR / L | 46,00 € |
| SIR / L S20P 16 | (0.35-3) | 46,00 € |
| SIR / L S25R 16C | ISO METRIC | 57,00 € |
| SIR / L S32S 16C | | 75,00 € |
| SIR / L S40T 16C | | 96,00 € |
| SIR / L S50U 16C | | 131,00 € |
| SIR / L S20P 22 | | 46,00 € |
| SIR / L S25R 22C | 22 IR / L | 61,00 € |
| SIR / L S32S 22C | (3.5-4.5) | 80,00 € |
| SIR / L S40T 22C | ISO METRIC | 96,00 € |
| SIR / L S50U 22C | | 131,00 € |
| SIR / L S25R 16C-T | 16 IR / L (2-3) TR | 57,00 € |
| SIR / L S32S 16C-T | ISO | 75,00 € |
| SIR / L S25R 22C-T | 22 IR / L (4-6) TR | 61,00 € |
| SIR / L S32S 22C-T | ISO | 80,00 € |
| NEW SIR / L A16X13M 16 | 16 IR / L | 56,00 € |
| NEW SIR / L A20X16P 16 | (0.35-3) | 46,00 € |
| | ISO METRIC | |

Ordering Example/*Beispiel Bestellformular:* 1pcs. SER 0808 E11

AKKO®

| EXTERNAL THREADING TOOLHOLDERS / *INNEN-GEWINDEDREHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| TER / L 1616 H16 | | 54,00 € |
| TER / L 2020 K16 | 16 ER / L | 57,00 € |
| TER / L 2525 M16 | ISO | 61,00 € |
| TER / L 3232 P16 | | 70,00 € |
| TER / L 2525 M22 | 22 ER / L | 70,00 € |
| TER / L 3232 P22 | ISO | 79,00 € |
| TER / L 4040 S22 | | 114,00 € |
| TER / L 2525 M27 | 27 ER / L | 115,00 € |
| TER / L 3232 P27 | ISO | 126,00 € |
| TER / L 4040 S27 | | 167,00 € |

| INTERNAL THREADING TOOLHOLDERS / *GEWINDE-DREHHALTER FÜR INNEN* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| TIR / L S25R 16 | | 63,00 € |
| TIR / L S32S 16 | 16 IR / L | 80,00 € |
| TIR / L S40T 16 | ISO | 101,00 € |
| TIR / L S50U 16 | | 138,00 € |
| TIR / L S25R 22 | | 70,00 € |
| TIR / L S32S 22 | 22 IR / L | 91,00 € |
| TIR / L S40T 22 | ISO | 105,00 € |
| TIR / L S50U 22 | | 141,00 € |
| TIR / L S32S 27 | | 137,00 € |
| TIR / L S40T 27 | 27 IR / L | 152,00 € |
| TIR / L S50U 27 | ISO | 178,00 € |
| NEW TIR/L A20P 16 | | 67,00 € |
| TIR/L A25R 16 | 16 IR / L | 81,00 € |
| TIR/L A32S 16 | ISO | 100,00 € |
| TIR/L A40T 16 | | 127,00 € |

| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-KG-R/L-2020-2-T15 | KG.. - 2 | 110,00 € |
| ADKT-KG-R/L-2525-2-T8 | KG.. - 2 | 111,00 € |
| ADKT-KG-R/L-2525-2-T15 | KG.. - 2 | 111,00 € |
| ADKT-KG-R/L-2525-2-T17 | KG.. - 2 | 111,00 € |
| ADKT-KG-R/L-1616-3-T20 | KG.. - 3 | 108,00 € |
| ADKT-KG-R/L-2020-3-T20 | KG.. - 3 | 110,00 € |
| ADKT-KG-R/L-2525-3-T10 | KG.. - 3 | 111,00 € |
| ADKT-KG-R/L-2525-3-T13 | KG.. - 3 | 111,00 € |
| ADKT-KG-R/L-2525-3-T22 | KG.. - 3 | 111,00 € |
| ADKT-KG-R/L-2020-4-T20 | KG.. - 4 | 110,00 € |
| ADKT-KG-R/L-2525-4-T10 | KG.. - 4 | 111,00 € |
| ADKT-KG-R/L-2525-4-T16 | KG.. - 4 | 111,00 € |
| ADKT-KG-R/L-2525-4-T22 | KG.. - 4 | 111,00 € |
| ADKT-KG-R/L-2525-5-T12 | KG.. - 5 | 111,00 € |
| ADKT-KG-R/L-2525-5-T15 | KG.. - 5 | 111,00 € |
| ADKT-KG-R/L-2525-5-T25 | KG.. - 5 | 111,00 € |
| ADKT-KG-R/L-2525-6-T25 | KG.. - 6 | 111,00 € |

**COMPATIPLE WITH KRLY INSERT**
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. TER 1616 H16

| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-K-R/L-1212-1.5-T15 | MGM. - 1.5 | 85,00 € |
| ADKT-K-R/L-2020-1.5-T15 | MGM. - 1.5 | 85,00 € |
| ADKT-K-R/L-1212-2-T15 | MGM. - 2 | 83,00 € |
| ADKT-K-R/L-1616-2-T10 | MGM. - 2 | 84,00 € |
| ADKT-K-R/L-1616-2-T15 | MGM. - 2 | 84,00 € |
| ADKT-K-R/L-2020-2-T15 | MGM. - 2 | 85,00 € |
| ADKT-K-R/L-2525-2-T15 | MGM. - 2 | 86,00 € |
| ADKT-K-R/L-3232-2-T15 | MGM. - 2 | 100,00 € |
| ADKT-K-R/L-1212-3-T15 | MGM. - 3 | 83,00 € |
| ADKT-K-R/L-1616-3-T15 | MGM. - 3 | 84,00 € |
| ADKT-K-R/L-2020-3-T10 | MGM. - 3 | 85,00 € |
| ADKT-K-R/L-2020-3-T20 | MGM. - 3 | 85,00 € |
| ADKT-K-R/L-2020-3-R28 | MGM. - 3 | 111,00 € |
| ADKT-K-R/L-2525-3-T10 | MGM. - 3 | 86,00 € |
| ADKT-K-R/L-2525-3-R15 | MGM. - 3 | 86,00 € |
| ADKT-K-R/L-2525-3-T22 | MGM. - 3 | 86,00 € |
| ADKT-K-R/L-3232-3-T10 | MGM. - 3 | 100,00 € |
| ADKT-K-R/L-3232-3-T22 | MGM. - 3 | 100,00 € |
| ADKT-K-R/L-2020-4-T10 | MGM. -4 | 85,00 € |
| ADKT-K-R/L-2020-4-T20 | MGM. -4 | 85,00 € |
| ADKT-K-R/L-2020-4-R25 | MGM. -4 | 102,00 € |
| ADKT-K-R/L-2525-4-T10 | MGM. -4 | 86,00 € |
| ADKT-K-R/L-2525-4-T18 | MGM. -4 | 86,00 € |
| ADKT-K-R/L-2525-4-T22 | MGM. -4 | 86,00 € |
| ADKT-K-R/L-3232-4-T10 | MGM. -4 | 100,00 € |
| ADKT-K-R/L-3232-4-T22 | MGM. -4 | 100,00 € |
| ADKT-K-R/L-2020-5-T20 | MGM. -5 | 85,00 € |
| ADKT-K-R/L-2525-5-T15 | MGM. -5 | 86,00 € |
| ADKT-K-R/L-2525-5-T18 | MGM. -5 | 86,00 € |
| ADKT-K-R/L-2525-5-T25 | MGM. -5 | 86,00 € |
| ADKT-K-R/L-3232-5-T15 | MGM. -5 | 100,00 € |
| ADKT-K-R/L-3232-5-T25 | MGM. -5 | 100,00 € |
| ADKT-K-R/L-2525-6-T15 | MGM. -6 | 86,00 € |
| ADKT-K-R/L-2525-6-T25 | MGM. -6 | 86,00 € |
| ADKT-K-R/L-3232-6-T25 | MGM. -6 | 100,00 € |
| ADKT-K-R/L-3232-8-T32 | MGM. -8 | 131,00 € |

**COMPATIPLE WITH KRLY- JD INSERT**
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN-JD*

| | | |
|---|---|---|
| ADKT-SGC-R/L-1212-2-R15 | GCM N20 | 107,00 € |
| ADKT-SGC-R/L-1616-2-R15 | GCM N20 | 108,00 € |
| ADKT-SGC-R/L-2020-2-R20 | GCM N20 | 110,00 € |
| ADKT-SGC-R/L-2525-2-R20 | GCM N20 | 111,00 € |
| ADKT-SGC-R/L-1212-3-R15 | GCM N30 | 107,00 € |
| NEW ADKT-SGC-R/L-1616-3-T12 | GCM N30 | 108,00 € |
| ADKT-SGC-R/L-1616-3-R15 | GCM N30 | 108,00 € |
| ADKT-SGC-R/L-2020-3-R22 | GCM N30 | 110,00 € |
| ADKT-SGC-R/L-2525-3-R15 | GCM N30 | 111,00 € |
| ADKT-SGC-R/L-2525-3-R22 | GCM N30 | 111,00 € |
| ADKT-SGC-R/L-2525-4-R25 | GCM N40 | 111,00 € |

**COMPATIPLE WITH SMTM INSERT**
*KOMPATIBEL FÜR SMTM WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-K-R 1212-1.5-T15

| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| | | |
| ADKT-H-R/L-2020-3-T20 | S229 - 3 | 85,00 € |
| ADKT-H-R/L-2525-3-T22 | S229 - 3 | 86,00 € |
| ADKT-H-R/L-2525-3-T26 | S229 - 3 | 94,00 € |
| ADKT-H-R/L-2020-4-T20 | S229 - 4 | 85,00 € |
| ADKT-H-R/L-2525-4-T22 | S229 - 4 | 86,00 € |
| ADKT-H-R/L-3232-4-T22 | S229 - 4 | 100,00 € |
| ADKT-H-R/L-2020-5-T20 | S229 - 5 | 85,00 € |
| ADKT-H-R/L-2525-5-T25 | S229 - 5 | 86,00 € |
| ADKT-H-R/L-2525-6-T25 | S229 - 6 | 86,00 € |
| **COMPATIPLE WITH HRN INSERT** *KOMPATIBEL FÜR HRN WENDESCHNEIDPLATTEN* | | |
| | | |
| ADKT-HK-R/L-1616-2-T15 | S224 - 2 | 84,00 € |
| ADKT-HK-R/L-2020-2-T15 | S224 - 2 | 85,00 € |
| ADKT-HK-R/L-2525-2-T15 | S224 - 2 | 86,00 € |
| ADKT-HK-R/L-1616-3-T15 | S224 - 3 | 84,00 € |
| ADKT-HK-R/L-2020-3-T20 | S224 - 3 | 85,00 € |
| ADKT-HK-R/L-2525-3-T22 | S224 - 3 | 86,00 € |
| ADKT-HK-R/L-2020-4-T20 | S224 - 4 | 85,00 € |
| ADKT-HK-R/L-2525-4-T22 | S224 - 4 | 86,00 € |
| ADKT-HS223-R/L-2020-2-T15 | S223 - 2 | 85,00 € |
| ADKT-HS223-R/L-2020-3-T17 | S223 - 3 | 85,00 € |
| **COMPATIPLE WITH HRN INSERT** *KOMPATIBEL FÜR HRN WENDESCHNEIDPLATTEN* | | |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-H-R-2020-3-T20

| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-ZCC1-R/L-2020-3-T20 | ZQMX - 3 | 85,00 € |
| ADKT-ZCC1-R/L-2525-3-T22 | ZQMX - 3 | 86,00 € |
| ADKT-ZCC1-R/L-2020-4-T20 | ZQMX - 4 | 85,00 € |
| ADKT-ZCC1-R/L-2525-4-T22 | ZQMX - 4 | 86,00 € |
| ADKT-ZCC2-R/L-1616-2-T15 | Z.BD - 2 | 84,00 € |
| ADKT-ZCC2-R/L-2020-2-T7 | Z.BD - 2 | 85,00 € |
| ADKT-ZCC2-R/L-2020-2-T15 | Z.BD - 2 | 85,00 € |
| ADKT-ZCC2-R/L-2525-2-T15 | Z.BD - 2 | 86,00 € |
| ADKT-ZCC2-R/L-1616-2.5-T15 | Z.ED - 2.5 | 84,00 € |
| ADKT-ZCC2-R/L-2020-2.5-T17 | Z.ED - 2.5 | 85,00 € |
| ADKT-ZCC2-R/L-2525-2.5-T15 | Z.ED - 2.5 | 86,00 € |
| ADKT-ZCC2-R/L-1616-3-T15 | Z.FD - 3 | 84,00 € |
| ADKT-ZCC2-R/L-1616-3-T17 | Z.FD - 3 | 84,00 € |
| ADKT-ZCC2-R/L-1616-3-T20 | Z.FD - 3 | 85,00 € |
| ADKT-ZCC2-R/L-2020-3-T12 | Z.FD - 3 | 85,00 € |
| ADKT-ZCC2-R/L-2020-3-T20 | Z.FD - 3 | 85,00 € |
| ADKT-ZCC2-R/L-2020-3-R21 | Z.FD - 3 | 85,00 € |
| ADKT-ZCC2-R/L-2020-3-R25 | Z.FD - 3 | 93,00 € |
| ADKT-ZCC2-R/L-2525-3-T12 | Z.FD - 3 | 86,00 € |
| ADKT-ZCC2-R/L-2525-3-T22 | Z.FD - 3 | 86,00 € |
| ADKT-ZCC2-R/L-2525-3-R30 | Z.FD - 3 | 104,00 € |
| ADKT-ZCC2-R/L-2020-4-T12 | Z.GD - 4 | 85,00 € |
| ADKT-ZCC2-R/L-2020-4-T20 | Z.GD - 4 | 85,00 € |
| ADKT-ZCC2-R/L-2525-4-T12 | Z.GD - 4 | 86,00 € |
| ADKT-ZCC2-R/L-2525-4-T22 | Z.GD - 4 | 86,00 € |
| ADKT-ZCC2-R/L-2020-5-T12 | Z.HD - 5 | 85,00 € |
| ADKT-ZCC2-R/L-2020-5-T20 | Z.HD - 5 | 85,00 € |
| ADKT-ZCC2-R/L-2525-5-T12 | Z.HD - 5 | 86,00 € |
| ADKT-ZCC2-R/L-2525-5-T25 | Z.HD - 5 | 86,00 € |
| ADKT-ZCC2-R/L-3232-5-T25 | Z.HD - 5 | 100,00 € |
| ADKT-ZCC2-R/L-2020-6-T20 | Z.KD - 6 | 85,00 € |
| ADKT-ZCC2-R/L-2525-6-T25 | Z.KD - 6 | 86,00 € |
| ADKT-ZCC2-R/L-3232-6-T25 | Z.KD - 6 | 100,00 € |
| ADKT-ZCC2-R/L-3232-6-T30 | Z.KD - 6 | 144,00 € |

**COMPATIPLE WITH ZCC INSERT**
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

**COMPATIPLE WITH ZCC INSERT**
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-KM-R/L-2020-2-T15 | A4. - 2 | 85,00 € |
| ADKT-KM-R/L-2525-2-T15 | A4. - 2 | 86,00 € |
| ADKT-KM-R/L-2020-3-T20 | A4. - 3 | 85,00 € |
| ADKT-KM-R/L-2525-3-T22 | A4. - 3 | 86,00 € |
| ADKT-KM-R/L-2525-4-T22 | A4. - 4 | 86,00 € |

**COMPATIPLE WITH KNMTL INSERT**
*KOMPATIBEL FÜR KNMTL WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-ZCC1-R-2020-3-T20

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| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-TD-R/L-1212-2-T15 | TD. - 2 | 107,00 € |
| ADKT-TD-R/L-1616-2-T8 | TD. - 2 | 108,00 € |
| ADKT-TD-R/L-1616-2-T15 | TD. - 2 | 108,00 € |
| ADKT-TD-R/L-2020-2-T9 | TD. - 2 | 110,00 € |
| ADKT-TD-R/L-2020-2-T15 | TD. - 2 | 110,00 € |
| ADKT-TD-R/L-2020-2-T17 | TD. - 2 | 110,00 € |
| ADKT-TD-R/L-2020-2-T20 | TD. - 2 | 110,00 € |
| ADKT-TD-R/L-2525-2-T8 | TD. - 2 | 111,00 € |
| ADKT-TD-R/L-2525-2-T17 | TD. - 2 | 111,00 € |
| ADKT-TD-R/L-1212-3-T15 | TD. - 3 | 107,00 € |
| ADKT-TD-R/L-1616-3-T15 | TD. - 3 | 108,00 € |
| ADKT-TD-R/L-2020-3-T12 | TD. - 3 | 110,00 € |
| ADKT-TD-R/L-2020-3-T20 | TD. - 3 | 110,00 € |
| ADKT-TD-R/L-2020-3-T25 | TD. - 3 | 114,00 € |
| ADKT-TD-R/L-2020-3-T30 | TD. - 3 | 117,00 € |
| ADKT-TD-R/L-2525-3-T9 | TD. - 3 | 111,00 € |
| ADKT-TD-R/L-2525-3-T12 | TD. - 3 | 111,00 € |
| ADKT-TD-R/L-2525-3-T22 | TD. - 3 | 111,00 € |
| ADKT-TD-R/L-2525-3-T25 | TD. - 3 | 114,00 € |
| ADKT-TD-R/L-2525-3-T30 | TD. - 3 | 119,00 € |
| ADKT-TD-R/L-3232-3-T25 | TD. - 3 | 124,00 € |
| ADKT-TD-R/L-2525-4-T10 | TD. - 4 | 111,00 € |
| ADKT-TD-R/L-2525-4-T15 | TD. - 4 | 111,00 € |
| ADKT-TD-R/L-2525-4-T22 | TD. - 4 | 111,00 € |
| ADKT-TD-R/L-2525-4-T25 | TD. - 4 | 114,00 € |
| ADKT-TD-R/L-2525-4-T30 | TD. - 4 | 119,00 € |
| ADKT-TD-R/L-2525-5-T25 | TD. - 5 | 111,00 € |

**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-RD-R/L-1616-2-T17 | RD. - 2 | 108,00 € |
| ADKT-RD-R/L-2020-2-T17 | RD. - 2 | 110,00 € |
| ADKT-RD-R/L-2525-2-T17 | RD. - 2 | 111,00 € |
| ADKT-RD-R/L-1616-3-T20 | RD. - 3 | 108,00 € |
| ADKT-RD-R/L-2020-3-T25 | RD. - 3 | 114,00 € |
| ADKT-RD-R/L-2525-3-T25 | RD. - 3 | 114,00 € |
| ADKT-RD-R/L-2020-4-T30 | RD. - 4 | 117,00 € |
| ADKT-RD-R/L-2525-4-T30 | RD. - 4 | 119,00 € |

**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-ITG-R/L-2020-3-T8 | TGM. - 3 | 105,00 € |
| ADKT-ITG-R/L-2525-3-T8 | TGM. - 3 | 106,00 € |
| ADKT-ITG-R/L-3232-3-T8 | TGM. - 3 | 124,00 € |
| ADKT-ITG-R/L-2020-4-T9 | TGM. - 4 | 105,00 € |
| ADKT-ITG-R/L-2525-4-T17 | TGM. - 4 | 106,00 € |
| ADKT-ITG-R/L-3232-4-T17 | TGM. - 4 | 124,00 € |
| ADKT-ITG-R/L-3232-5-T25 | TGM. - 5 | 124,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-TD-R-1212-2-T15

| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-I-R/L-1212-2-T15 | DGN - 2 | 83,00 € |
| ADKT-I-R/L-1616-2-T15 | DGN - 2 | 84,00 € |
| ADKT-I-R/L-2020-2-T15 | DGN - 2 | 85,00 € |
| ADKT-I-R/L-2525-2-T15 | DGN - 2 | 86,00 € |
| ADKT-I-R/L-3232-2-T15 | DGN - 2 | 100,00 € |
| ADKT-I-R/L-1212-3-T15 | DGN - 3 | 83,00 € |
| ADKT-I-R/L-1616-3-T15 | DGN - 3 | 84,00 € |
| ADKT-I-R/L-2020-3-T12 | DGN - 3 | 85,00 € |
| ADKT-I-R/L-2020-3-T20 | DGN - 3 | 85,00 € |
| ADKT-I-R/L-2525-3-T12 | DGN - 3 | 86,00 € |
| ADKT-I-R/L-2525-3-T22 | DGN - 3 | 86,00 € |
| ADKT-I-R/L-3232-3-T22 | DGN - 3 | 100,00 € |
| ADKT-I-R/L-2020-4-T20 | DGN / GRP - 4 | 85,00 € |
| ADKT-I-R/L-2525-4-T12 | DGN / GRP - 4 | 86,00 € |
| ADKT-I-R/L-2525-4-T22 | DGN / GRP - 4 | 86,00 € |
| ADKT-I-R/L-2525-4-T25 | DGN / GRP - 4 | 86,00 € |
| ADKT-I-R/L-3232-4-T25 | DGN / GRP - 4 | 100,00 € |
| ADKT-I-R/L-2020-5-T20 | DGN / GRP - 5 | 85,00 € |
| ADKT-I-R/L-2525-5-T12 | DGN / GRP - 5 | 86,00 € |
| ADKT-I-R/L-2525-5-T25 | DGN / GRP - 5 | 86,00 € |
| ADKT-IG-R/L-1616-3-T18 | GRP - 3 | 84,00 € |
| ADKT-IG-R/L-2020-3-T12 | GRP - 3 | 85,00 € |
| ADKT-IG-R/L-2020-3-R20 | GRP - 3 | 85,00 € |
| ADKT-IG-R/L-2525-3-T12 | GRP - 3 | 86,00 € |
| ADKT-IG-R/L-2525-3-T22 | GRP - 3 | 86,00 € |
| ADKT-IGI-R/L-2020-2-T15 | GIM / GIP - 2 | 85,00 € |
| ADKT-IGI-R/L-2525-2-T15 | GIM / GIP - 2 | 86,00 € |
| ADKT-IGI-R/L-1616-3-T15 | GIM / GIP - 3 | 84,00 € |
| ADKT-IGI-R/L-2020-3-T20 | GIM / GIP - 3 | 85,00 € |
| ADKT-IGI-R/L-2525-3-T9 | GIM / GIP - 3 | 86,00 € |
| ADKT-IGI-R/L-2525-3-T22 | GIM / GIP - 3 | 86,00 € |
| ADKT-IGI-R/L-2525-4-T22 | GIM / GIP - 4 | 86,00 € |
| ADKT-IGI-R/L-2525-5-T25 | GIM / GIP - 5 | 86,00 € |
| NEW ADKT-IGI-R/L-2525-8-T25 | GIM / GIP - 8 | 131,00 € |
| ADKT-IGI-R/L-2525-8-T30 | GIM / GIP - 8 | 131,00 € |
| ADKT-IGTN-R/L-2525-5-T25 | GTN - 5 | 86,00 € |
| NEW ADKT-IDC-R/L-1616-2-D35 | | 84,00 € |
| NEW ADKT-IDC-R/L-2020-2-R23 | DCE - 2 | 85,00 € |
| NEW ADKT-IDC-R/L-2525-2-R23 | | 86,00 € |
| NEW ADKT-IDC-R/L-1616-3-D35 | DCE - 3 | 84,00 € |
| ADKT-IDC-R/L-2525-3-T21 | | 86,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-I-R-1212-2-T15

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| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-123-R/L-1212-1.5-R15 | 123 - 1.5 | 83,00 € |
| ADKT-123-R/L-1616-1.5-R15 | 123 - 1.5 | 84,00 € |
| NEW ADKT-123-R/L-2012-1.5-R15 | 123 - 1.5 | 85,00 € |
| ADKT-123-R/L-1616-2-T15 | 123 - 2 | 84,00 € |
| ADKT-123-R/L-2020-2-T8 | 123 - 2 | 85,00 € |
| ADKT-123-R/L-2020-2-T15 | 123 - 2 | 85,00 € |
| ADKT-123-R/L-2525-2-T8 | 123 - 2 | 86,00 € |
| ADKT-123-R/L-2525-2-T15 | 123 - 2 | 86,00 € |
| ADKT-123-R/L-3232-2-T15 | 123 - 2 | 124,00 € |
| ADKT-123-R/L-1616-3-T10 | 123 - 3 | 84,00 € |
| ADKT-123-R/L-1616-3-T15 | 123 - 3 | 84,00 € |
| ADKT-123-R/L-2020-3-T10 | 123 - 3 | 85,00 € |
| ADKT-123-R/L-2020-3-T15 | 123 - 3 | 85,00 € |
| ADKT-123-R/L-2020-3-T20 | 123 - 3 | 85,00 € |
| ADKT-123-R/L-2525-3-T10 | 123 - 3 | 86,00 € |
| ADKT-123-R/L-2525-3-T15 | 123 - 3 | 86,00 € |
| ADKT-123-R/L-2525-3-T22 | 123 - 3 | 86,00 € |
| ADKT-123-R/L-2020-4-T20 | 123 - 4 | 85,00 € |
| ADKT-123-R/L-2525-4-T13 | 123 - 4 | 86,00 € |
| ADKT-123-R/L-2525-4-T22 | 123 - 4 | 86,00 € |
| ADKT-123-R/L-3232-4-T25 | 123 - 4 | 124,00 € |
| ADKT-123-R/L-2020-5-T20 | 123 - 5 | 85,00 € |
| ADKT-123-R/L-2525-5-T25 | 123 - 5 | 86,00 € |
| ADKT-123-R/L-3232-6-T15 | 123 - 6 | 124,00 € |

**COMPATIPLE WITH SNDVK INSERT**
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-151.22-R/L-1616-2-T15 | 151.2 - 2 | 84,00 € |
| ADKT-151.22-R/L-2020-2-T15 | 151.2 - 2 | 85,00 € |
| ADKT-151.22-R/L-2525-2-T15 | 151.2 - 2 | 86,00 € |
| ADKT-151.22-R/L-1616-3-T15 | 151.2 - 3 | 84,00 € |
| ADKT-151.22-R/L-2020-3-T20 | 151.2 - 3 | 85,00 € |
| ADKT-151.22-R/L-2525-3-T22 | 151.2 - 3 | 86,00 € |
| ADKT-151.22-R/L-1616-4-T15 | 151.2 - 4 | 84,00 € |
| ADKT-151.22-R/L-2020-4-T20 | 151.2 - 4 | 85,00 € |
| ADKT-151.22-R/L-2525-4-T22 | 151.2 - 4 | 86,00 € |
| ADKT-151.22-R/L-2020-5-T20 | 151.2 - 5 | 85,00 € |
| ADKT-151.22-R/L-2525-5-T25 | 151.2 - 5 | 86,00 € |

**COMPATIPLE WITH SNDVK INSERT**
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-SWC-R/L-2020-2-T25 | WCF. - 2 | 120,00 € |
| ADKT-SWC-R/L-2020-3-T25 | WCF. - 3 | 120,00 € |

**COMPATIPLE WITH SMTM INSERT**
*KOMPATIBEL FÜR SMTM WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-GY2-R/L-2525-2-R20 | GY2M0200 | 135,00 € |
| ADKT-GY2-R/L-2525-3-R20 | GY2M0300 | 135,00 € |
| ADKT-GY2-R/L-2525-4-T25 | GY2M0400 | 135,00 € |
| ADKT-GY2-R/L-2525-5-T25 | GY2M0500 | 135,00 € |

**COMPATIPLE WITH MTSBH INSERT**
*KOMPATIBEL FÜR MTSBH WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-123-R-1212-1.5-R15

| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-151.23-R/L-1616-2-T15 | 151.2 - 2 | 84,00 € |
| ADKT-151.23-R/L-2020-2-T15 | 151.2 - 2 | 85,00 € |
| ADKT-151.23-R/L-2525-2-T15 | 151.2 - 2 | 86,00 € |
| ADKT-151.23-R/L-1616-2.5-T15 | 151.2 - 2.5 | 84,00 € |
| ADKT-151.23-R/L-2020-2.5-T15 | 151.2 - 2.5 | 85,00 € |
| ADKT-151.23-R/L-2525-2.5-T15 | 151.2 - 2.5 | 86,00 € |
| ADKT-151.23-R/L-1212-3-T15 | 151.2 - 3 | 83,00 € |
| ADKT-151.23-R/L-1616-3-T15 | 151.2 - 3 | 84,00 € |
| ADKT-151.23-R/L-2020-3-T20 | 151.2 - 3 | 85,00 € |
| ADKT-151.23-R/L-2525-3-T20 | 151.2 - 3 | 86,00 € |
| ADKT-151.23-R/L-2525-3-T22 | 151.2 - 3 | 86,00 € |
| ADKT-151.23-R/L-1616-4-T15 | 151.2 - 4 | 84,00 € |
| ADKT-151.23-R/L-2020-4-T20 | 151.2 - 4 | 85,00 € |
| ADKT-151.23-R/L-2525-4-T22 | 151.2 - 4 | 86,00 € |
| ADKT-151.23-R/L-2020-5-T20 | 151.2 - 5 | 85,00 € |
| ADKT-151.23-R/L-2525-5-T25 | 151.2 - 5 | 86,00 € |

**COMPATIPLE WITH SNDVK INSERT**
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-154.91-R/L-2020-3-T4 | 154.91 - 3 | 85,00 € |
| ADKT-154.91-R/L-2525-3-T4 | 154.91 - 3 | 86,00 € |
| ADKT-154.91-R/L-2020-5-T5 | 154.91 - 5 | 85,00 € |
| ADKT-154.91-R/L-2525-5-T5 | 154.91 - 5 | 86,00 € |

**COMPATIPLE WITH SNDVK INSERT**
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-ARN-R/L-2020-2-T15 | LOMR. - 2 | 85,00 € |
| ADKT-ARN-R/L-2525-2-T15 | LOMR. - 2 | 86,00 € |
| ADKT-ARN-R/L-2020-3-T20 | LOMR. - 3 | 85,00 € |
| ADKT-ARN-R/L-2525-3-T22 | LOMR. - 3 | 86,00 € |

**COMPATIPLE WITH ARN INSERT**
*KOMPATIBEL FÜR ARN WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-SGC-R/L-1212-2-R15 | GCM N20 | 107,00 € |
| ADKT-SGC-R/L-1616-2-R15 | GCM N20 | 108,00 € |
| ADKT-SGC-R/L-2020-2-R20 | GCM N20 | 110,00 € |
| ADKT-SGC-R/L-2525-2-R20 | GCM N20 | 111,00 € |
| ADKT-SGC-R/L-1212-3-R15 | GCM N30 | 107,00 € |
| ADKT-SGC-R/L-1616-3-R15 | GCM N30 | 108,00 € |
| ADKT-SGC-R/L-2020-3-R22 | GCM N30 | 110,00 € |
| ADKT-SGC-R/L-2525-3-R15 | GCM N30 | 111,00 € |
| ADKT-SGC-R/L-2525-3-R22 | GCM N30 | 111,00 € |
| ADKT-SGC-R/L-2525-4-R25 | GCM N40 | 111,00 € |

**COMPATIPLE WITH SMTM INSERT**
*KOMPATIBEL FÜR SMTM WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-H22-R/L-1616-(0.5-2)-T4 | S312 - (0.5-2) | 84,00 € |
| ADKT-H22-R/L-2020-(0.5-2)-T4 | S312 - (0.5-2) | 85,00 € |
| NEW ADKT-H22-R-2020-(0.5-2)-T6x20 | S312 - (0.5-2) | 85,00 € |
| ADKT-H22-R/L-2525-(0.5-2)-T4 | S312 - (0.5-2) | 86,00 € |
| NEW ADKT-H22-R/L-2525-(0.5-2)-T6x20 | S312 - (0.5-2) | 86,00 € |

**COMPATIPLE WITH HRN INSERT**
*KOMPATIBEL FÜR HRN WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-151.23-R-1616-2-T15

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| EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-TG-R/L-1616-2-R17 | DGM2 - 020 | 108,00 € |
| NEW ADKT-TG-R/L-2020-2-T8 | DGM2 - 020 | 110,00 € |
| ADKT-TG-R/L-2020-2-R12 | DGM2 - 020 | 110,00 € |
| ADKT-TG-R/L-2020-2-R17 | DGM2 - 020 | 110,00 € |
| ADKT-TG-R/L-2525-2-R12 | DGM2 - 020 | 111,00 € |
| ADKT-TG-R/L-2525-2-R17 | DGM2 - 020 | 111,00 € |
| ADKT-TG-R/L-1616-3-T20 | DGM3 - 020 | 108,00 € |
| ADKT-TG-R/L-2020-3-T12 | DGM3 - 020 | 110,00 € |
| ADKT-TG-R/L-2020-3-T20 | DGM3 - 020 | 110,00 € |
| ADKT-TG-R/L-2525-3-T9 | DGM3 - 020 | 111,00 € |
| ADKT-TG-R/L-2525-3-T20 | DGM3 - 020 | 111,00 € |
| ADKT-TG-R/L-2525-3-R25 | DGM3 - 020 | 114,00 € |
| ADKT-TG-R/L-2525-4-T15 | DGM4 - 030 | 111,00 € |
| ADKT-TG-R/L-2525-4-T20 | DGM4 - 030 | 111,00 € |
| ADKT-TG-R/L-2525-4-T25 | DGM4 - 030 | 114,00 € |
| ADKT-TG-R/L-2525-5-T12 | DGM5 - 030 | 111,00 € |
| ADKT-TG-R/L-2525-5-T25 | DGM5 - 030 | 111,00 € |
| ADKT-TG-R/L-2525-5-T32 | DGM5 - 030 | 119,00 € |

**COMPATIPLE WITH TNGLY INSERT**
*KOMPATIBEL FÜR TNGLY WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-LGC-R/L-1616-2-D40 | GCTX - 2 | 108,00 € |
| ADKT-LGC-R/L-2020-2-D40 | GCTX - 2 | 110,00 € |
| ADKT-LGC-R/L-2525-2-D40 | GCTX - 2 | 111,00 € |
| ADKT-LGC-R/L-1616-3-T20 | GCTX - 3 | 108,00 € |
| ADKT-LGC-R/L-2020-3-T20 | GCTX - 3 | 110,00 € |
| ADKT-LGC-R/L-2525-3-T20 | GCTX - 3 | 111,00 € |

**COMPATIPLE WITH LMNA INSERT**
*KOMPATIBEL FÜR LMNA WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-WGX16-R/L-2020-2-R16 | GX16. - 2 | 110,00 € |
| ADKT-WGX16-R/L-2525-2-R16 | GX16. - 2 | 111,00 € |
| ADKT-WGX24-R/L-2020-3-T20 | GX24. - 3 | 110,00 € |
| ADKT-WGX24-R/L-2525-3-T12 | GX24. - 3 | 111,00 € |
| ADKT-WGX24-R/L-2525-3-T22 | GX24. - 3 | 111,00 € |
| ADKT-WGX24-R/L-3232-3-T22 | GX24. - 3 | 127,00 € |
| ADKT-WGX24-R/L-2525-4-T22 | GX24. - 4 | 111,00 € |
| ADKT-WGX24-R/L-2525-5-T25 | GX24. - 5 | 111,00 € |
| ADKT-WGX24-R/L-3232-5-T25 | GX24. - 5 | 127,00 € |

**COMPATIPLE WITH WLTR INSERT**
*KOMPATIBEL FÜR WLTR WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-GP-R/L-2020-2-T15 | GP - 2 | 110,00 € |
| ADKT-GP-R/L-2525-2-T15 | GP - 2 | 111,00 € |
| ADKT-GP-R/L-2020-3-T20 | GP - 3 | 110,00 € |
| ADKT-GP-R/L-2525-3-T22 | GP - 3 | 111,00 € |
| ADKT-GP-R/L-2525-4-T22 | GP - 4 | 111,00 € |
| ADKT-GP-R/L-2525-5-T25 | GP - 5 | 111,00 € |

**COMPATIPLE WITH PLBT INSERT**
*KOMPATIBEL FÜR PLBT WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-CD-R/L-2020-3-R20 | GX24 0300 | 85,00 € |
| ADKT-CD-R/L-2525-3-R23 | GX24 0300 | 86,00 € |

**COMPATIPLE WITH CRTZT INSERT**
*KOMPATIBEL FÜR CRTZT WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-TG-R-1616-2-R17

## EXTERNAL GROOVING TOOLHOLDERS / *AUßEN - STECHHALTER*

COMPATIPLE WITH XTC-GSC INSERT
*KOMPATIBEL FÜR XTC-GSCWENDESCHNEIDPLATTEN*

| | CUTTING INSERT *WENDE PLATTE* | PRICE / PREIS |
|---|---|---|
| ADKT-GB-R/L-1212-3 | GB3100 | 83,00 € |
| ADKT-GB-R/L-1616-3 | GB3100 | 84,00 € |
| ADKT-GB-R/L-2020-3 | GB3100 | 85,00 € |

COMPATIPLE WITH NTK INSERT
*KOMPATIBEL FÜR NTK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-TGF-R/L-1616-3 | QC16L150-R02 | 84,00 € |
| ADKT-TGF-R/L-2020-3 | QC16L150-R02 | 85,00 € |
| ADKT-TGF-R/L-2525-3 | QC16L150-R02 | 86,00 € |

## L TYPE FACE GROOVING TOOLHOLDERS / *AXIAL- STECHHALTER L TYPE*

COMPATIPLE WITH CZZ INSERT
*KOMPATIBEL FÜR CZZ WENDESCHNEIDPLATTEN*

| | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| ALKT-ZCC2-R/L-2525-35-45-3-T10 | Z.FD - 3 | 138,00 € |
| ALKT-ZCC2-R/L-2525-39-55-3-T10 | Z.FD - 3 | 138,00 € |
| ALKT-ZCC2-R/L-2525-35-∞-3-T4 | Z.FD - 3 | 138,00 € |
| ALKT-ZCC2-R/L-2525-40-60-4-T14 | Z.GD - 4 | 138,00 € |
| ALKT-ZCC2-R/L-2525-52-80-4-T14 | Z.GD - 4 | 138,00 € |
| ALKT-ZCC2-R/L-2525-72-110-4-T14 | Z.GD - 4 | 138,00 € |
| ALKT-ZCC2-R/L-2525-100-230-4-T14 | Z.GD - 4 | 138,00 € |
| ALKT-ZCC2-R/L-2525-40-∞-4-T4 | Z.GD - 4 | 138,00 € |

## EXTERNAL GROOVING TOOLHOLDERS FOR SWISS TYPE SLIDING AUTOMATIC LATHES
*Werkzeuge zur Stechbearbeitung auf Langdrehautomaten*

COMPATIPLE WITH TGTC INSERT
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| NEW ADKT-TD-R/L-1010-2-R10-K-S | TD. - 2 | 107,00 € |
| ADKT-TD-R/L-1212-2-T12-K-S | TD. - 2 | 107,00 € |
| ADKT-TD-R/L-1616-2-T16-K-S | TD. - 2 | 108,00 € |
| ADKT-TD-R/L-1212-3-T12-K-S | TD. - 3 | 107,00 € |
| ADKT-TD-R/L-1616-3-T16-K-S | TD. - 3 | 108,00 € |

COMPATIPLE WITH TGTC INSERT
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-RD-R/L-1212-2-T12-K-S | RD. - 2 | 107,00 € |
| ADKT-RD-R/L-1616-2-T17-K-S | RD. - 2 | 108,00 € |
| ADKT-RD-R/L-1212-3-T12-K-S | RD. - 3 | 107,00 € |

COMPATIPLE WITH ZCC INSERT
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| ADKT-ZCC2-R/L-1010-2-T12-K-S | Z.BD - 2 | 107,00 € |
| ADKT-ZCC2-R/L-1212-2-T12-K-S | Z.BD - 2 | 107,00 € |
| ADKT-ZCC2-R/L-1616-2-R16-K-S | Z.BD - 2 | 108,00 € |
| ADKT-ZCC2-R/L-1212-3-T12-K-S | Z.FD - 3 | 107,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-GB-R-1212-3

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| EXTERNAL GROOVING TOOLHOLDERS FOR SWISS TYPE SLIDING AUTOMATIC LATHES<br>*Werkzeuge zur Stechbearbeitung auf Langdrehautomaten* | | CUTTING INSERT<br>*WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| <br>COMPATIPLE WITH KRLY INSERT<br>*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN* | ADKT-KG-R/L-1212-2-R12-K-S | KG. - 2 | 117,00 € |
| | ADKT-KG-R/L-1616-2-R16-K-S | KG. - 2 | 119,00 € |
| | ADKT-KG-R/L-1212-3-R12-K-S | KG. - 3 | 117,00 € |
| | ADKT-KG-R/L-1616-3-R16-K-S | KG. - 3 | 119,00 € |
| <br>COMPATIPLE WITH KRLY INSERT<br>*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN* | ADKT-K-R/L-1212-2-R12-K-S | MGM. - 2 | 107,00 € |
| | ADKT-K-R/L-1616-2-R16-K-S | MGM. - 2 | 108,00 € |
| | ADKT-K-R/L-1212-3-R12-K-S | MGM. - 3 | 107,00 € |
| | ADKT-K-R/L-1616-3-R16-K-S | MGM. - 3 | 108,00 € |
| <br>COMPATIPLE WITH SNDVK INSERT<br>*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN* | ADKT-123-R/L-1212-2-T12-K-S | 123 - 2 | 117,00 € |
| <br>COMPATIPLE WITH ISCR INSERT<br>*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN* | ADKT-I-R/L-0808-2-R10-S | DGN - 2 | 105,00 € |
| | ADKT-I-R/L-1010-2-R10-K-S | DGN - 2 | 107,00 € |
| | ADKT-I-R/L-1212-2-R12-K-S | DGN - 2 | 107,00 € |
| | NEW ADKT-I-R/L-1616-2-R16-K-S | DGN - 2 | 107,00 € |
| | ADKT-I-R/L-1616-3-R16-K-S | DGN - 3 | 107,00 € |
| | ADKT-I-R/L-1616-3-R16-K-S | DGN - 3 | 107,00 € |
| <br>COMPATIPLE WITH WLTR INSERT<br>*KOMPATIBEL FÜR WLTR WENDESCHNEIDPLATTEN* | ADKT-WGX16-R/L-1212-2-R12-K-S | GX16. - 2 | 107,00 € |
| | ADKT-WGX16-R/L-1616-2-R16-K-S | GX16. - 2 | 108,00 € |
| | ADKT-WGX24-R/L-1616-3-R16-K-S | GX24. - 3 | 124,00 € |
| <br>COMPATIPLE WITH TNGLY INSERT<br>*KOMPATIBEL FÜR TNGLY WENDESCHNEIDPLATTEN* | ADKT-TG-R/L-1212-2-R12-K-S | DGM2 - 020 | 107,00 € |
| | ADKT-TG-R/L-1212-3-R12-K-S | DGM3 - 020 | 107,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-KG-R-1212-2-R12-K-S

## FACE GROOVING TOOLHOLDERS / *AXIAL- STECHHALTER*

COMPATIPLE WITH KRLY INSERT
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN*

| | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| AAKT-K-R/L-2525-34-45-3-T17 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-39-55-3-T17 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-49-80-3-T17 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-70-110-3-T17 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-100-150-3-T17 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-80-180-3-T32 | MGM. - 3 | 138,00 € |
| AAKT-K-R/L-2525-175-215-3-T22 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-700-800-3-T17 | MGM. - 3 | 131,00 € |
| AAKT-K-R/L-2525-50-85-4-T22 | MGM. - 4 | 131,00 € |
| AAKT-K-R/L-2525-70-110-4-T22 | MGM. - 4 | 131,00 € |
| AAKT-K-R/L-2525-100-150-4-T22 | MGM. - 4 | 131,00 € |
| AAKT-K-R/L-2525-80-180-4-T32 | MGM. - 4 | 138,00 € |
| AAKT-K-R/L-2525-180-800-4-T32 | MGM. - 4 | 138,00 € |
| AAKT-K-R/L-2525-70-110-5-T25 | MGM. - 5 | 131,00 € |
| AAKT-K-R/L-2525-100-150-5-T25 | MGM. - 5 | 131,00 € |
| AAKT-K-R/L-2525-140-200-5-T25 | MGM. - 5 | 131,00 € |
| AAKT-K-R/L-2525-80-180-5-T32 | MGM. - 5 | 138,00 € |
| AAKT-K-R/L-2525-180-800-5-T32 | MGM. - 5 | 138,00 € |
| NEW AAKT-K-R/L-2525-180-800-5-T40 | MGM. - 5 | 173,00 € |
| AAKT-K-R/L-2525-60-100-6-T25 | MGM. - 6 | 131,00 € |
| AAKT-K-R/L-2525-60-100-6-T35 | MGM. - 6 | 143,00 € |
| AAKT-K-R/L-2525-100-200-6-T25 | MGM. - 6 | 131,00 € |
| AAKT-K-R/L-2525-100-200-6-T35 | MGM. - 6 | 143,00 € |
| AAKT-K-R/L-2525-100-200-6-T45 | MGM. - 6 | 173,00 € |
| AAKT-K-R/L-2525-140-300-6-T35 | MGM. - 6 | 143,00 € |
| NEW AAKT-K-R/L-2525-180-360-6-T40 | MGM. - 6 | 173,00 € |
| AAKT-K-R/L-2525-140-300-8-T35 | MGM. - 8 | 151,00 € |
| AAKT-K-R/L-3232-140-350-8-T35 | MGM. - 8 | 162,00 € |

COMPATIPLE WITH ZCC INSERT
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AAKT-ZCC2-R/L-2525-140-180-2-T4 | Z.BD - 2 | 131,00 € |
| AAKT-ZCC2-R/L-2525-35-45-3-T17 | Z.FD - 3 | 131,00 € |
| AAKT-ZCC2-R/L-2525-39-55-3-T17 | Z.FD - 3 | 131,00 € |
| AAKT-ZCC2-R/L-2525-49-80-3-T17 | Z.FD - 3 | 131,00 € |
| NEW AAKT-ZCC2-R/L-2525-70-110-3-T15 | Z.FD - 3 | 131,00 € |
| AAKT-ZCC2-R/L-2525-70-110-3-T17 | Z.FD - 3 | 131,00 € |
| AAKT-ZCC2-R/L-2525-100-150-3-T17 | Z.FD - 3 | 131,00 € |
| AAKT-ZCC2-R/L-2525-100-150-3-T22 | Z.FD - 3 | 131,00 € |
| AAKT-ZCC2-R/L-2525-40-60-4-T22 | Z.GD - 4 | 131,00 € |
| AAKT-ZCC2-R/L-2525-52-80-4-T22 | Z.GD - 4 | 131,00 € |
| AAKT-ZCC2-R/L-2525-72-110-4-T22 | Z.GD - 4 | 131,00 € |
| AAKT-ZCC2-R/L-2525-100-150-4-T22 | Z.GD - 4 | 131,00 € |
| AAKT-ZCC2-R/L-2525-140-200-4-T22 | Z.GD - 4 | 131,00 € |
| AAKT-ZCC2-R/L-2525-55-95-5-T25 | Z.HD - 5 | 131,00 € |
| AAKT-ZCC2-R/L-2525-85-140-5-T25 | Z.HD - 5 | 131,00 € |
| AAKT-ZCC2-R/L-2525-130-200-5-T25 | Z.HD - 5 | 131,00 € |
| AAKT-ZCC2-R/L-2525-190-400-5-T25 | Z.HD - 5 | 131,00 € |
| AAKT-ZCC2-R/L-2525-190-400-5-T35 | Z.HD - 5 | 156,00 € |
| AAKT-ZCC2-R/L-2525-200-500-5-T17 | Z.HD - 5 | 131,00 € |
| AAKT-ZCC2-R/L-2525-60-110-6-T15 | Z.KD - 6 | 131,00 € |
| AAKT-ZCC2-R/L-3232-160-400-6-T25 | Z.KD - 6 | 131,00 € |

COMPATIPLE WITH KRLY INSERT
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AAKT-KG-R/L-2525-44-70-4-T22 | KG. - 4 | 144,00 € |
| AAKT-KG-R/L-2525-60-120-4-T22 | KG. - 4 | 144,00 € |
| AAKT-KG-R/L-2525-112-200-4-T22 | KG. - 4 | 144,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. AAKT-K-R-2525-34-45-3-T17

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| FACE GROOVING TOOLHOLDERS / *AXIAL- STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| AAKT-IG-R/L-2525-40-60-4-T25 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-52-80-4-T25 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-70-110-4-T28 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-72-110-4-T25 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-100-150-4-T25 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-110-200-4-T28 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-110-200-4-T32 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-140-200-4-T25 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-180-800-4-T28 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-200-800-4-T25 | DGN / GRP - 4 | 152,00 € |
| AAKT-IG-R/L-2525-70-110-5-T32 | DGN / GRP - 5 | 152,00 € |
| AAKT-IG-R/L-2525-110-200-5-T32 | DGN / GRP - 5 | 152,00 € |
| AAKT-IG-R/L-2525-110-200-5-T9 | DGN / GRP - 5 | 152,00 € |
| AAKT-IG-R/L-2525-180-800-5-T32 | DGN / GRP - 5 | 152,00 € |
| AAKT-IG-R/L-2525-58-100-6-T32 | DGN / GRP - 6 | 152,00 € |
| AAKT-IG-R/L-2525-88-180-6-T32 | DGN / GRP - 6 | 152,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

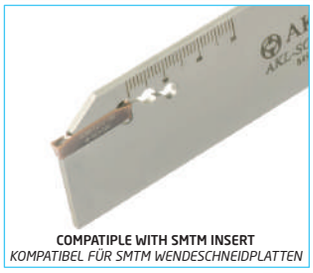
| | | |
|---|---|---|
| AAKT-SGC-R/L-2020-22-53-3-T13 | GCM N3002 | 152,00 |
| AAKT-SGC-R/L-2525-80-100-3-T8 | GCM N3002 | 152,00 |
| AAKT-SGC-R/L-2525-40-65-4-T12 | GCM N4020 | 152,00 |
| AAKT-SGC-R/L-2525-80-140-4-T8 | GCM N4020 | 152,00 |

**COMPATIPLE WITH SMTM INSERT**
*KOMPATIBEL FÜR SMTM WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AAKT-WGX24-R-2525-58-100-6-T32 | GX24.-6 | 152,00 |
| AAKT-WGX24-R-2525-88-180-6-T32 | GX24.-6 | 152,00 |

**COMPATIPLE WITH WLTR INSERT**
*KOMPATIBEL FÜR WLTR WENDESCHNEIDPLATTEN*

| BLADES FOR PARTING AND DEEP GROOVING / *STECHSCHWERT ZUR AUßENBEARBEITUNG* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| AKL-SGC-26-3 | GCM N30 | 117,00 € |
| AKL-SGC-32-3 | GCM N30 | 125,00 € |



**COMPATIPLE WITH SMTM INSERT**
*KOMPATIBEL FÜR SMTM WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AKL-I-26-2 | DGN - 2 | 117,00 € |
| AKL-I-32-2 | DGN - 2 | 125,00 € |
| AKL-I-26-3 | DGN - 3 | 117,00 € |
| AKL-I-32-3 | DGN - 3 | 125,00 € |
| AKL-I-26-4 | DGN / GRP - 4 | 117,00 € |
| AKL-I-32-4 | DGN / GRP - 4 | 125,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AKL-123-32-2 | 123 - 2 | 125,00 € |
| AKL-123-32-3 | 123 - 3 | 125,00 € |
| AKL-123-32-4 | 123 - 4 | 125,00 € |

**COMPATIPLE WITH SNDVK INSERT**
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AAKT-IG-R-2525-40-60-4-T25

| BLADES FOR PARTING AND DEEP GROOVING / *Stechschwert zur Außenbearbeitung* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| COMPATIPLE WITH TGTC INSERT *KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN* | | |
| NEW AKL-TD-32-2 | TD. - 2 | 125,00 € |
| AKL-TD-26-3 | TD. - 3 | 117,00 € |
| AKL-TD-32-3 | TD. - 3 | 125,00 € |
| AKL-TD-26-4 | TD. - 4 | 117,00 € |
| AKL-TD-32-5 | TD. - 5 | 125,00 € |
| COMPATIPLE WITH ZCC INSERT *KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN* | | |
| AKL-ZCC2-32-3 | Z.FD-3 | 125,00 € |
| AKL-ZCC2-32-4 | Z.FD-4 | 125,00 € |
| AKL-ZCC2-32-5 | Z.FD-5 | 125,00 € |
| COMPATIPLE WITH KRLY INSERT *KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN* | | |
| AKL-K-32-2 | MGM.-2 | 125,00 € |
| AKL-K-32-3 | MGM.-3 | 125,00 € |
| AKL-K-32-4 | MGM.-4 | 125,00 € |
| COMPATIPLE WITH KRLY INSERT *KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN* | | |
| AKL-SP-26-2 | SP200N | 117,00 € |
| AKL-SP-26-3 | SP300N | 117,00 € |
| AKL-SP-32-3 | SP300N | 125,00 € |
| AKL-SP-32-4 | SP400N | 125,00 € |
| COMPATIPLE WITH WLTR INSERT *KOMPATIBEL FÜR WLTR WENDESCHNEIDPLATTEN* | | |
| AKL-SX-32-3 | SX-3E.300N | 125,00 € |
| AKL-SX-32-4 | SX-4E.400N | 125,00 € |
| AKL-SX-32-5 | SX-5E.500N | 125,00 € |
| AKL-SX-32-6 | SX-5E.600N | 125,00 € |

| BLOCKS FOR PARTING AND DEEP GROOVING BLADES / *Spannblock für Stechschwert* | PRICE / *PREIS* |
|---|---|
| | |
| ALBU-20-26 | 108,00 € |
| ALBU-20-32 | 108,00 € |
| ALBU-25-26 | 120,00 € |
| ALBU-25-32 | 120,00 € |
| ALBU-32-32 | 131,00 € |
| | |
| ALBU-20-32-H | 188,00 € |
| ALBU-25-32-H | 210,00 € |
| ALBU-32-32-H | 229,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. AKL-TD-32-2

AKKO®

| EXTERNAL GROOVING TOOLHOLDERS WITH COOLANT TOOLS<br>*EXTERNE NUTWERKZEUGHALTER MIT KÜHLWERKZEUG* | | CUTTING INSERT<br>*WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| <br>COMPATIPLE WITH KRLY INSERT<br>*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN* | ADKT-K-R/L-2020-3-T20-H | MGM. - 3 | 180,00 € |
| | ADKT-K-R/L-2525-3-T22-H | MGM. - 3 | 182,00 € |
| | ADKT-K-R/L-2020-4-T20-H | MGM. - 4 | 180,00 € |
| | ADKT-K-R/L-2525-4-T22-H | MGM. - 4 | 182,00 € |
| | ADKT-K-R/L-2525-5-T25-H | MGM. - 5 | 182,00 € |
| <br>COMPATIPLE WITH TGTC INSERT<br>*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN* | ADKT-TD-R/L-2020-3-T30-H | TD. - 3 | 187,00 € |

| INTERNAL GROOVING TOOLHOLDERS / *INNEN- STECHHALTER* | | CUTTING INSERT<br>*WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| <br>COMPATIPLE WITH KRLY - JD INSERT<br>*KOMPATIBEL FÜR KRLY - JD WENDESCHNEIDPLATTEN* | AIKT-K-R/L-16-2-T4 | MGM. - 2 | 73,00 € |
| | AIKT-K-R/L-20-2-T4 | MGM. - 2 | 79,00 € |
| | AIKT-K-R/L-25-2-T6 | MGM. - 2 | 85,00 € |
| | AIKT-K-R/L-20-3-T6 | MGM. - 3 | 79,00 € |
| | AIKT-K-R/L-20-3-T7 | MGM. - 3 | 84,00 € |
| | AIKT-K-R/L-25-3-T6 | MGM. - 3 | 85,00 € |
| | AIKT-K-R/L-25-3-T10 | MGM. - 3 | 94,00 € |
| | AIKT-K-R/L-32-3-T6 | MGM. - 3 | 100,00 € |
| | AIKT-K-R/L-32-3-T12 | MGM. - 3 | 108,00 € |
| | AIKT-K-R/L-40-3-T6 | MGM. - 3 | 120,00 € |
| | AIKT-K-R/L-40-3-T12 | MGM. - 3 | 131,00 € |
| | AIKT-K-R/L-20-4-T6 | MGM. - 4 | 79,00 € |
| | AIKT-K-R/L-20-4-T7 | MGM. - 4 | 84,00 € |
| | AIKT-K-R/L-25-4-T6 | MGM. - 4 | 85,00 € |
| | AIKT-K-R/L-25-4-T10 | MGM. - 4 | 94,00 € |
| | AIKT-K-R/L-32-4-T6 | MGM. - 4 | 100,00 € |
| | AIKT-K-R/L-32-4-T12 | MGM. - 4 | 108,00 € |
| | AIKT-K-R/L-40-4-T6 | MGM. - 4 | 120,00 € |
| | AIKT-K-R/L-40-4-T12 | MGM. - 4 | 131,00 € |
| | AIKT-K-R/L-25-5-T7 | MGM. - 5 | 85,00 € |
| | AIKT-K-R/L-32-5-T7 | MGM. - 5 | 100,00 € |
| | AIKT-K-R/L-40-5-T7 | MGM. - 5 | 120,00 € |
| | AIKT-K-R/L-40-5-T12 | MGM. - 5 | 131,00 € |
| <br>COMPATIPLE WITH KRLY INSERT<br>*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN* | AIKT-KG-R/L-25-2-T7 | KG.. - 2 | 94,00 € |
| | AIKT-KG-R/L-20-3-T6.5-H | KG.. - 3 | 104,00 € |
| | AIKT-KG-R/L-25-3-T7 | KG.. - 3 | 94,00 € |
| | AIKT-KG-R/L-40-3-T8 | KG.. - 3 | 131,00 € |
| | AIKT-KG-R/L-25-4-T8 | KG.. - 4 | 94,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADKT-K-R-2020-3-T20-H

| INTERNAL GROOVING TOOLHOLDERS / *INNEN- STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| COMPATIPLE WITH HRN INSERT *KOMPATIBEL FÜR HRN WENDESCHNEIDPLATTEN* | | |
| AIKT-H-R/L-25-3-T8 | S229 - 3 | 85,00 € |
| AIKT-H-R/L-32-3-T7 | S229 - 3 | 100,00 € |
| AIKT-H-R/L-40-3-T7 | S229 - 3 | 120,00 € |
| AIKT-H-R/L-25-4-T8 | S229 - 4 | 85,00 € |
| AIKT-H-R/L-32-4-T7 | S229 - 4 | 100,00 € |
| AIKT-H-R/L-40-4-T7 | S229 - 4 | 120,00 € |
| AIKT-H-R/L-25-5-T8 | S229 - 5 | 85,00 € |
| AIKT-H-R/L-32-5-T7 | S229 - 5 | 100,00 € |
| AIKT-H-R/L-40-5-T7 | S229 - 5 | 120,00 € |
| COMPATIPLE WITH HRN INSERT *KOMPATIBEL FÜR HRN WENDESCHNEIDPLATTEN* | | |
| AIKT-HK-R/L-20-2-T6 | S224 - 2 | 79,00 € |
| AIKT-HK-R/L-25-2-T6 | S224 - 2 | 85,00 € |
| AIKT-HK-R/L-20-3-T6 | S224 - 3 | 79,00 € |
| AIKT-HK-R/L-25-3-T6 | S224 - 3 | 85,00 € |
| AIKT-HK-R/L-32-3-T6 | S224 - 3 | 100,00 € |
| AIKT-HK-R/L-20-4-T6 | S224 - 4 | 79,00 € |
| AIKT-HK-R/L-25-4-T6 | S224 - 4 | 85,00 € |
| AIKT-HK-R/L-32-4-T6 | S224 - 4 | 100,00 € |
| AIKT-HS223-R/L-20-2-T5 | S223 - 2 | 79,00 € |
| AIKT-HS223-R/L-25-2-T5 | S223 - 2 | 85,00 € |
| AIKT-HS223-R/L-20-3-T6 | S223 - 3 | 79,00 € |
| AIKT-HS223-R/L-25-3-T6 | S223 - 3 | 85,00 € |
| COMPATIPLE WITH SNDVK INSERT *KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN* | | |
| AIKT-154.91-R/L-16-3-T3 | 154.91 - 3 | 73,00 € |
| AIKT-154.91-R/L-20-3-T4 | 154.91 - 3 | 79,00 € |
| AIKT-154.91-R/L-25-3-T4 | 154.91 - 3 | 85,00 € |
| AIKT-154.91-R/L-25-5-T5 | 154.91 - 5 | 85,00 € |
| AIKT-154.91-R/L-32-5-T5 | 154.91 - 5 | 100,00 € |
| | | |
| COMPATIPLE WITH ZCC INSERT *KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN* | | |
| AIKT-ZCC2-R/L-16-2-T4 | Z.BD - 2 | 73,00 € |
| AIKT-ZCC2-R/L-20-3-T5 | Z.FD - 3 | 79,00 € |
| AIKT-ZCC2-R/L-20-3-T8 | Z.FD - 3 | 84,00 € |
| AIKT-ZCC2-R/L-25-3-T5 | Z.FD - 3 | 85,00 € |
| AIKT-ZCC2-R/L-25-3-T10 | Z.FD - 3 | 94,00 € |
| AIKT-ZCC2-R/L-32-3-T6 | Z.FD - 3 | 100,00 € |
| AIKT-ZCC2-R/L-32-3-T8 | Z.FD - 3 | 113,00 € |
| AIKT-ZCC2-R/L-32-3-T13 | Z.FD - 3 | 124,00 € |
| AIKT-ZCC2-R/L-40-3-T12 | Z.FD - 3 | 131,00 € |
| AIKT-ZCC2-R/L-25-4-T6 | Z.GD - 4 | 85,00 € |
| AIKT-ZCC2-R/L-32-4-T7 | Z.GD - 4 | 100,00 € |
| AIKT-ZCC2-R/L-32-4-T8 | Z.GD - 4 | 113,00 € |
| AIKT-ZCC2-R/L-32-4-T10 | Z.GD - 4 | 113,00 € |
| AIKT-ZCC2-R/L-32-5-T7 | Z.HD - 5 | 100,00 € |
| AIKT-ZCC2-R/L-32-5-T8 | Z.HD - 5 | 113,00 € |
| AIKT-ZCC2-R/L-40-5-T8 | Z.HD - 5 | 120,00 € |
| AIKT-ZCC2-R/L-40-5-T10 | Z.HD - 5 | 131,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. AIKT-H-R-25-3-T8

AKKO®

| INTERNAL GROOVING TOOLHOLDERS / *INNEN- STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| COMPATIPLE WITH ISCR INSERT *KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN* | | |
| AIKT-IGE-R/L-10-2-T3-H | GEPI - 2 | 87,00 € |
| AIKT-IGE-R/L-16-2-T3-D11.5 | GEPI - 2 | 96,00 € |
| AIKT-IGE-R/L-16-2-T3-D11.5-H | GEPI - 2 | 96,00 € |
| AIKT-IGE-R/L-16-2-T2.5-H | GEPI - 2 | 96,00 € |
| AIKT-IGE-R/L-16-3-T2.5-H | GEPI - 3 | 96,00 € |
| AIKT-IGE-R/L-16-3-T2.5-D20 | GEPI - 3 | 87,00 € |
| COMPATIPLE WITH KNMTL INSERT *KOMPATIBEL FÜR KNMTL WENDESCHNEIDPLATTEN* | | |
| AIKT-KM-R/L-20-2-T7 | A4. - 2 | 79,00 € |
| AIKT-KM-R/L-20-3-T7 | A4. - 3 | 79,00 € |
| AIKT-KM-R/L-25-3-T10 | A4. - 3 | 85,00 € |
| AIKT-KM-R/L-32-3-T12 | A4. - 3 | 100,00 € |
| AIKT-KM-R/L-40-3-T12 | A4. - 3 | 120,00 € |
| AIKT-KM-R/L-20-4-T7 | A4. - 4 | 79,00 € |
| AIKT-KM-R/L-32-4-T12.2-H | A4. - 4 | 120,00 € |
| COMPATIPLE WITH TGTC INSERT *KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN* | | |
| AIKT-RD-R/L-16-2-T6 | RD. - 2 | 78,00 € |
| AIKT-RD-R/L-20-2-T6 | RD. - 2 | 86,00 € |
| AIKT-RD-R/L-25-2-T6 | RD. - 2 | 94,00 € |
| AIKT-RD-R/L-16-3-T6 | RD. - 3 | 78,00 € |
| AIKT-RD-R/L-20-3-T6 | RD. - 3 | 86,00 € |
| AIKT-RD-R/L-25-3-T6 | RD. - 3 | 94,00 € |
| AIKT-RD-R/L-32-3-T6 | RD. - 3 | 113,00 € |
| AIKT-RD-R/L-20-4-T6 | RD. - 4 | 86,00 € |
| AIKT-RD-R/L-25-4-T6 | RD. - 4 | 94,00 € |
| AIKT-RD-R/L-32-4-T6 | RD. - 4 | 113,00 € |
| COMPATIPLE WITH TGTC INSERT *KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN* | | |
| AIKT-TD-R/L-16-2-T8.5-H | TD. - 2 | 96,00 € |
| AIKT-TD-R/L-20-3-T6-H | TD. - 3 | 105,00 € |
| AIKT-TD-R/L-25-3-T6-H | TD. - 3 | 115,00 € |
| AIKT-TD-R/L-32-3-T5-H | TD. - 3 | 139,00 € |
| NEW AIKT-TD-R/L-20-4-T10-H | TD. - 4 | 126,00 € |
| NEW AIKT-TD-R/L-25-4-T10-H | TD. - 4 | 138,00 € |
| NEW AIKT-TD-R/L-32-4-T10-H | TD. - 4 | 166,00 € |
| COMPATIPLE WITH ISCR INSERT *KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN* | | |
| AIKT-ITG-R/L-16-3-T6-H | TGM. - 3 | 96,00 € |
| AIKT-ITG-R/L-20-3-T6-H | TGM. - 3 | 105,00 € |
| AIKT-ITG-R/L-25-3-T8-H | TGM. - 3 | 115,00 € |
| AIKT-ITG-R/L-32-3-T8-H | TGM. - 3 | 139,00 € |
| AIKT-ITG-R/L-20-4-T6-H | TGM. - 4 | 105,00 € |
| AIKT-ITG-R/L-25-4-T7-H | TGM. - 4 | 115,00 € |
| AIKT-ITG-R/L-25-4-T9-H | TGM. - 4 | 120,00 € |
| AIKT-ITG-R/L-32-4-T11-H | TGM. - 4 | 139,00 € |
| AIKT-ITG-R/L-40-4-T11-H | TGM. - 4 | 239,00 € |
| AIKT-ITG-R/L-32-6.35-T17.5-H | TGM. - 6.35 | 188,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. AIKT-IGE-R-10-2-T3-H

| INTERNAL GROOVING TOOLHOLDERS / *INNEN- STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| AIKT-IG-R/L-25-4-T10-H | DGN / GRP - 4 | 120,00 € |
| AIKT-IG-R/L-32-4-T10-H | DGN / GRP - 4 | 144,00 € |
| AIKT-IG-R/L-40-4-T12-H | DGN / GRP - 4 | 239,00 € |
| AIKT-IG-R/L-25-5-T10-H | DGN / GRP - 5 | 120,00 € |
| AIKT-IG-R/L-32-5-T10-H | DGN / GRP - 5 | 144,00 € |
| AIKT-IG-R/L-40-5-T12-H | DGN / GRP - 5 | 239,00 € |
| AIKT-IG-R/L-50-5-T12-H | DGN / GRP - 5 | 299,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-IGI-R/L-20-3-T4 | GIMIY / GIPI - 3 | 105,00 € |
| AIKT-IGI-R/L-25-3-T5 | GIMIY / GIPI - 3 | 115,00 € |
| AIKT-IGI-R/L-32-3-T5 | GIMIY / GIPI - 3 | 139,00 € |
| AIKT-IGI-R/L-40-3-T5 | GIMIY / GIPI - 3 | 167,00 € |
| AIKT-IGI-R/L-20-4-T4 | GIMIY / GIPI - 4 | 105,00 € |
| AIKT-IGI-R/L-25-5-T10 | GIMIY / GIPI - 5 | 115,00 € |
| AIKT-IGI-R/L-25-5-T10-H | GIMIY / GIPI - 5 | 138,00 € |
| AIKT-IGI-R/L-25-5-T15 | GIMIY / GIPI - 5 | 166,00 € |
| AIKT-IGI-R/L-25-5-T15-H | GIMIY / GIPI - 5 | 166,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-I-R/L-20-3-T5 | DGN - 3 | 79,00 € |
| AIKT-I-R/L-25-3-T6 | DGN - 3 | 85,00 € |

**COMPATIPLE WITH ISCR INSERT**
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-GP-R/L-20-2-T4 | GP - 2 | 84,00 € |
| AIKT-GP-R/L-25-2-T6 | GP - 2 | 94,00 € |
| AIKT-GP-R/L-20-3-T6 | GP - 3 | 84,00 € |
| AIKT-GP-R/L-25-3-T6 | GP - 3 | 94,00 € |
| AIKT-GP-R/L-32-3-T6 | GP - 3 | 108,00 € |
| AIKT-GP-R/L-20-4-T6 | GP - 4 | 84,00 € |
| AIKT-GP-R/L-25-4-T6 | GP - 4 | 94,00 € |
| AIKT-GP-R/L-32-4-T6 | GP - 4 | 108,00 € |

**COMPATIPLE WITH PLBT INSERT**
*KOMPATIBEL FÜR PLBT WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-SGC-R/L-25-3-T6 | GCM N30 | 94,00 € |
| AIKT-SGC-R/L-32-3-T6 | GCM N30 | 154,00 € |
| AIKT-SGC-R/L-40-3-T6 | GCM N30 | 179,00 € |

**COMPATIPLE WITH SMTM INSERT**
*KOMPATIBEL FÜR SMTM WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AIKT-IG-R-25-4-T10-H

AKKO®

| INTERNAL GROOVING TOOLHOLDERS / *INNEN- STECHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| AIKT-123-R/L-20-2-T6 | 123 - 2 | 79,00 € |
| AIKT-123-R/L-25-2-T6 | 123 - 2 | 85,00 € |
| AIKT-123-R/L-32-2-T7 | 123 - 2 | 100,00 € |
| AIKT-123-R/L-20-3-T6 | 123 - 3 | 79,00 € |
| AIKT-123-R/L-25-3-T7 | 123 - 3 | 85,00 € |
| AIKT-123-R/L-32-3-T9 | 123 - 3 | 108,00 € |
| AIKT-123-R/L-20-4-T8 | 123 - 4 | 84,00 € |
| AIKT-123-R/L-25-4-T7 | 123 - 4 | 85,00 € |
| AIKT-123-R/L-32-4-T7 | 123 - 4 | 100,00 € |
| AIKT-123-R/L-32-4-T10 | 123 - 4 | 108,00 € |
| AIKT-123-R/L-25-5-T8 | 123 - 5 | 85,00 € |
| AIKT-123-R/L-32-5-T11 | 123 - 5 | 108,00 € |

COMPATIPLE WITH SNDVK INSERT
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-151.23-R/L-20-2-T6 | 151.2 - 2 | 79,00 € |
| AIKT-151.23-R/L-20-2.5-T6 | 151.2 - 2.5 | 79,00 € |
| AIKT-151.22-R/L-25-3-T6 | 151.2 - 3 | 101,00 € |
| AIKT-151.22-R/L-25-3-T6-H | 151.2 - 3 | 101,00 € |

COMPATIPLE WITH SNDVK INSERT
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-TG-R/L-20-2-T6 | DGIM2 - 020 | 86,00 € |
| AIKT-TG-R/L-20-3-T6 | DTX3 - 030 | 86,00 € |
| AIKT-TG-R/L-25-3-T8 | DTX3 - 030 | 99,00 € |
| AIKT-TG-R/L-32-3-T10 | DTX3 - 030 | 119,00 € |
| AIKT-TG-R/L-32-3-T12 | DTX3 - 030 | 125,00 € |
| AIKT-TG-R/L-32-4-T10 | DTX4 - 040 | 119,00 € |
| AIKT-TG-R/L-32-5-T10 | DTX5 - 050 | 119,00 € |

COMPATIPLE WITH TNGLY INSERT
*KOMPATIBEL FÜR TNGLY WENDESCHNEIDPLATTEN*

| | | |
|---|---|---|
| AIKT-QC11-R/L-20-(0.5-1.8) | QC11R/L (0.50-1.80) | 87,00 € |
| AIKT-QC16-R/L-20-(0.5-1.8) | QC16R/L (0.50-1.80) | 87,00 € |
| AIKT-QC16-R/L-20-(0.5-2.5) | QC16R/L (0.50-2.50) | 87,00 € |
| AIKT-QC22-R/L-25-(1-2.3) | QC22R/L (1.00-2.30) | 93,00 € |
| AIKT-QC22-R/L-25-(2.5-3.3) | QC22R/L (2.50-3.30) | 93,00 € |
| AIKT-QC22-R/L-25-(3.3-4.8) | QC22R/L (3.30-4.80) | 93,00 € |
| AIKT-QC22-R/L-32-(1-2.3) | QC22R/L (1.00-2.30) | 111,00 € |

COMPATIPLE WITH ZCC INSERT
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

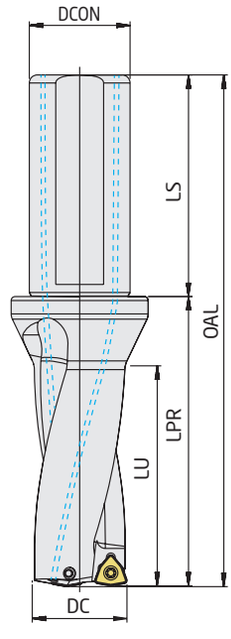
| MINI GROOVING TOOL / *MINI - STECHWERKZEUGE* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|
| AIKT-MB07-A16-090-15 | MB - 07 | 108,00 € |
| AIKT-MB07-A16-090-22 | MB - 07 | 108,00 € |
| AIKT-MB09-A16-090-19 | MB - 09 | 108,00 € |
| AIKT-MB09-A16-110-40 | MB - 09 | 108,00 € |
| AIKT-MB09-A16-095-28 | MB - 09 | 108,00 € |

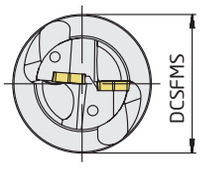
COMPATIPLE WITH SNDVK INSERT
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AIKT-123-R-20-2-T6

## U-DRILL SYSTEM / *VOLLBOHRER (WCM.)*

**D2**




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 16XD2 WCM. 030208 | 16 | 25 | 34 | 110 | 32 | 54 | 56 | WCM. 030208 | 172,00 € |
| ATUM 16.5XD2 WCM. 030208 | 16,5 | 25 | 34 | 110 | 32 | 54 | 56 | WCM. 030208 | 172,00 € |
| ATUM 17XD2 WCM. 030208 | 17 | 25 | 34 | 112 | 34 | 56 | 56 | WCM. 030208 | 172,00 € |
| ATUM 17.5XD2 WCM 030208 | 17,5 | 25 | 34 | 112 | 34 | 56 | 56 | WCM. 030208 | 172,00 € |
| ATUM 18XD2 WCM. 030208 | 18 | 25 | 34 | 114 | 36 | 58 | 56 | WCM. 030208 | 172,00 € |
| ATUM 18.5XD2 WCM. 030208 | 18,5 | 25 | 34 | 114 | 36 | 58 | 56 | WCM. 030208 | 172,00 € |
| ATUM 19XD2 WCM. 030208 | 19 | 25 | 34 | 116 | 38 | 60 | 56 | WCM. 030208 | 172,00 € |
| ATUM 19.5XD2 WCM. 030208 | 19,5 | 25 | 34 | 116 | 38 | 60 | 56 | WCM. 030208 | 172,00 € |
| ATUM 20XD2 WCM. 040208 | 20 | 25 | 34 | 118 | 40 | 62 | 56 | WCM. 040208 | 184,00 € |
| ATUM 20.5XD2 WCM. 040208 | 20,5 | 25 | 34 | 118 | 40 | 62 | 56 | WCM. 040208 | 184,00 € |
| ATUM 21XD2 WCM. 040208 | 21 | 25 | 34 | 120 | 42 | 64 | 56 | WCM. 040208 | 184,00 € |
| ATUM 21.5XD2 WCM. 040208 | 21,5 | 25 | 34 | 120 | 42 | 64 | 56 | WCM. 040208 | 184,00 € |
| ATUM 22XD2 WCM. 040208 | 22 | 25 | 34 | 122 | 44 | 66 | 56 | WCM. 040208 | 184,00 € |
| ATUM 22.5XD2 WCM. 040208 | 22,5 | 25 | 34 | 122 | 44 | 66 | 56 | WCM. 040208 | 184,00 € |
| ATUM 23XD2 WCM. 040208 | 23 | 25 | 34 | 124 | 46 | 68 | 56 | WCM. 040208 | 184,00 € |
| ATUM 23.5XD2 WCM. 040208 | 23,5 | 25 | 34 | 124 | 46 | 68 | 56 | WCM. 040208 | 184,00 € |
| ATUM 24XD2 WCM. 050308 | 24 | 25 | 34 | 126 | 48 | 70 | 56 | WCM. 050308 | 192,00 € |
| ATUM 24.5XD2 WCM. 050308 | 24,5 | 25 | 34 | 126 | 48 | 70 | 56 | WCM. 050308 | 192,00 € |
| ATUM 25XD2 WCM. 050308 | 25 | 25 | 34 | 128 | 50 | 72 | 56 | WCM. 050308 | 192,00 € |
| ATUM 25.5XD2 WCM. 050308 | 25,5 | 25 | 34 | 128 | 50 | 72 | 56 | WCM. 050308 | 192,00 € |
| ATUM 26XD2 WCM. 050308 | 26 | 25 | 34 | 130 | 52 | 74 | 56 | WCM. 050308 | 192,00 € |
| ATUM 26.5XD2 WCM. 050308 | 26,5 | 25 | 34 | 130 | 52 | 74 | 56 | WCM. 050308 | 192,00 € |
| ATUM 27XD2 WCM. 050308 | 27 | 25 | 34 | 132 | 54 | 76 | 56 | WCM. 050308 | 192,00 € |
| ATUM 27.5XD2 WCM. 050308 | 27,5 | 25 | 34 | 132 | 54 | 76 | 56 | WCM. 050308 | 192,00 € |
| ATUM 28XD2 WCM. 050308 | 28 | 25 | 34 | 134 | 56 | 78 | 56 | WCM. 050308 | 192,00 € |
| ATUM 28.5XD2 WCM. 050308 | 28,5 | 25 | 34 | 134 | 56 | 78 | 56 | WCM. 050308 | 192,00 € |
| ATUM 29XD2 WCM. 050308 | 29 | 25 | 34 | 136 | 58 | 80 | 56 | WCM. 050308 | 192,00 € |
| ATUM 29.5XD2 WCM. 050308 | 29,5 | 25 | 34 | 136 | 58 | 80 | 56 | WCM. 050308 | 192,00 € |
| ATUM 30XD2 WCM. 06T308 | 30 | 32 | 44 | 147 | 60 | 87 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 31XD2 WCM. 06T308 | 31 | 32 | 44 | 149 | 62 | 89 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 32XD2 WCM. 06T308 | 32 | 32 | 44 | 151 | 64 | 91 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 33XD2 WCM. 06T308 | 33 | 32 | 44 | 153 | 66 | 93 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 34XD2 WCM. 06T308 | 34 | 32 | 44 | 155 | 68 | 95 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 35XD2 WCM. 06T308 | 35 | 32 | 44 | 157 | 70 | 97 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 36XD2 WCM. 06T308 | 36 | 32 | 44 | 159 | 72 | 99 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 37XD2 WCM. 06T308 | 37 | 32 | 44 | 161 | 74 | 101 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 38XD2 WCM. 06T308 | 38 | 32 | 44 | 163 | 76 | 103 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 39XD2 WCM. 06T308 | 39 | 32 | 44 | 165 | 78 | 105 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 40XD2 WCM. 06T308 | 40 | 32 | 44 | 167 | 80 | 107 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 41XD2 WCM. 06T308 | 41 | 32 | 44 | 169 | 82 | 109 | 60 | WCM. 06T308 | 211,00 € |
| ATUM 42XD2 WCM. 06T308 | 42 | 32 | 44 | 171 | 84 | 111 | 60 | WCM. 06T308 | 211,00 € |
| ATUM 43XD2 WCM. 06T308 | 43 | 32 | 44 | 173 | 86 | 113 | 60 | WCM. 06T308 | 211,00 € |
| ATUM 44XD2 WCM. 06T308 | 44 | 32 | 44 | 175 | 88 | 115 | 60 | WCM. 06T308 | 211,00 € |
| ATUM 45XD2 WCM. 080412 | 45 | 40 | 54 | 192 | 90 | 122 | 70 | WCM. 080412 | 231,00 € |
| ATUM 46XD2 WCM. 080412 | 46 | 40 | 54 | 194 | 92 | 124 | 70 | WCM. 080412 | 243,00 € |
| ATUM 47XD2 WCM. 080412 | 47 | 40 | 54 | 196 | 94 | 126 | 70 | WCM. 080412 | 263,00 € |
| ATUM 48XD2 WCM. 080412 | 48 | 40 | 54 | 198 | 96 | 128 | 70 | WCM. 080412 | 277,00 € |
| ATUM 49XD2 WCM. 080412 | 49 | 40 | 54 | 200 | 98 | 130 | 70 | WCM. 080412 | 290,00 € |
| ATUM 50XD2 WCM. 080412 | 50 | 40 | 54 | 202 | 100 | 132 | 70 | WCM. 080412 | 303,00 € |
| ATUM 51XD2 WCM. 080412 | 51 | 40 | 54 | 204 | 102 | 134 | 70 | WCM. 080412 | 316,00 € |
| ATUM 52XD2 WCM. 080412 | 52 | 40 | 54 | 206 | 104 | 136 | 70 | WCM. 080412 | 330,00 € |
| ATUM 53XD2 WCM. 080412 | 53 | 40 | 54 | 208 | 106 | 138 | 70 | WCM. 080412 | 343,00 € |
| ATUM 54XD2 WCM. 080412 | 54 | 40 | 54 | 210 | 108 | 140 | 70 | WCM. 080412 | 356,00 € |
| ATUM 55XD2 WCM. 080412 | 55 | 40 | 54 | 212 | 110 | 142 | 70 | WCM. 080412 | 356,00 € |
| ATUM 56XD2 WCM. 080412 | 56 | 40 | 59 | 214 | 112 | 144 | 70 | WCM. 080412 | 356,00 € |
| ATUM 57XD2 WCM. 080412 | 57 | 40 | 59 | 216 | 114 | 146 | 70 | WCM. 080412 | 382,00 € |
| ATUM 58XD2 WCM. 080412 | 58 | 40 | 59 | 218 | 116 | 148 | 70 | WCM. 080412 | 382,00 € |
| ATUM 59XD2 WCM. 080412 | 59 | 40 | 59 | 220 | 118 | 150 | 70 | WCM. 080412 | 382,00 € |
| ATUM 60XD2 WCM. 080412 | 60 | 40 | 59 | 222 | 120 | 152 | 70 | WCM. 080412 | 382,00 € |

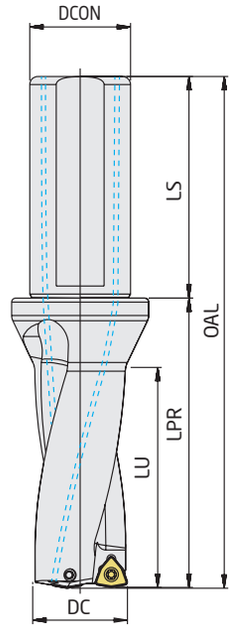
**COMPATIPLE WITH ISO INSERT**
*KOMPATIBEL FÜR ISO WENDESCHNEIDPLATTEN*

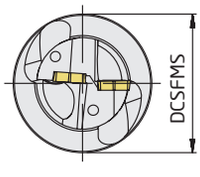


Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 16XD2 WCM. 030208

## U-DRILL SYSTEM / *VOLLBOHRER (WCM.)*

**D3**




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 16XD3 WCM. 030208 | 16 | 25 | 34 | 126 | 48 | 70 | 56 | WCM. 030208 | 184,00 € |
| ATUM 16.5XD3 WCM. 030208 | 16.5 | 25 | 34 | 126 | 48 | 70 | 56 | WCM. 030208 | 184,00 € |
| ATUM 17XD3 WCM. 030208 | 17 | 25 | 34 | 129 | 51 | 73 | 56 | WCM. 030208 | 184,00 € |
| ATUM 17.5XD3 WCM. 030208 | 17.5 | 25 | 34 | 129 | 51 | 73 | 56 | WCM. 030208 | 184,00 € |
| ATUM 18XD3 WCM. 030208 | 18 | 25 | 34 | 132 | 54 | 76 | 56 | WCM. 030208 | 184,00 € |
| ATUM 18.5XD3 WCM. 030208 | 18.5 | 25 | 34 | 132 | 54 | 76 | 56 | WCM. 030208 | 184,00 € |
| ATUM 19XD3 WCM. 030208 | 19 | 25 | 34 | 135 | 57 | 79 | 56 | WCM. 030208 | 184,00 € |
| ATUM 19.5XD3 WCM. 030208 | 19.5 | 25 | 34 | 135 | 57 | 79 | 56 | WCM. 030208 | 184,00 € |
| ATUM 20XD3 WCM. 040208 | 20 | 25 | 34 | 138 | 60 | 82 | 56 | WCM. 040208 | 192,00 € |
| ATUM 20.5XD3 WCM. 040208 | 20.5 | 25 | 34 | 138 | 60 | 82 | 56 | WCM. 040208 | 192,00 € |
| ATUM 21XD3 WCM. 040208 | 21 | 25 | 34 | 141 | 63 | 85 | 56 | WCM. 040208 | 192,00 € |
| ATUM 21.5XD3 WCM. 040208 | 21.5 | 25 | 34 | 141 | 63 | 85 | 56 | WCM. 040208 | 192,00 € |
| ATUM 22XD3 WCM. 040208 | 22 | 25 | 34 | 144 | 66 | 88 | 56 | WCM. 040208 | 192,00 € |
| ATUM 22.5XD3 WCM. 040208 | 22.5 | 25 | 34 | 144 | 66 | 88 | 56 | WCM. 040208 | 192,00 € |
| ATUM 23XD3 WCM. 040208 | 23 | 25 | 34 | 147 | 69 | 91 | 56 | WCM. 040208 | 192,00 € |
| ATUM 23.5XD3 WCM. 040208 | 23.5 | 25 | 34 | 147 | 69 | 91 | 56 | WCM. 040208 | 192,00 € |
| ATUM 24XD3 WCM. 050308 | 24 | 25 | 34 | 150 | 72 | 94 | 56 | WCM. 050308 | 198,00 € |
| ATUM 24.5XD3 WCM. 050308 | 24.5 | 25 | 34 | 150 | 72 | 94 | 56 | WCM. 050308 | 198,00 € |
| ATUM 25XD3 WCM. 050308 | 25 | 25 | 34 | 153 | 75 | 97 | 56 | WCM. 050308 | 198,00 € |
| ATUM 25.5XD3 WCM. 050308 | 25.5 | 25 | 34 | 153 | 75 | 97 | 56 | WCM. 050308 | 198,00 € |
| ATUM 26XD3 WCM. 050308 | 26 | 25 | 34 | 156 | 78 | 100 | 56 | WCM. 050308 | 198,00 € |
| ATUM 26.5XD3 WCM. 050308 | 26.5 | 25 | 34 | 156 | 78 | 100 | 56 | WCM. 050308 | 198,00 € |
| ATUM 27XD3 WCM. 050308 | 27 | 25 | 34 | 159 | 81 | 103 | 56 | WCM. 050308 | 198,00 € |
| ATUM 27.5XD3 WCM. 050308 | 27.5 | 25 | 34 | 159 | 81 | 103 | 56 | WCM. 050308 | 198,00 € |
| ATUM 28XD3 WCM. 050308 | 28 | 25 | 34 | 162 | 84 | 106 | 56 | WCM. 050308 | 198,00 € |
| ATUM 28.5XD3 WCM. 050308 | 28.5 | 25 | 34 | 162 | 84 | 106 | 56 | WCM. 050308 | 198,00 € |
| ATUM 29XD3 WCM. 050308 | 29 | 25 | 34 | 165 | 87 | 109 | 56 | WCM. 050308 | 198,00 € |
| ATUM 29.5XD3 WCM. 050308 | 29.5 | 25 | 34 | 165 | 87 | 109 | 56 | WCM. 050308 | 198,00 € |
| ATUM 30XD3 WCM. 06T308 | 30 | 32 | 44 | 177 | 90 | 117 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 30.5XD3 WCM. 06T308 | 30.5 | 32 | 44 | 177 | 90 | 117 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 31XD3 WCM. 06T308 | 31 | 32 | 44 | 180 | 93 | 120 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 31.5XD3 WCM. 06T308 | 31.5 | 32 | 44 | 180 | 93 | 120 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 32XD3 WCM. 06T308 | 32 | 32 | 44 | 183 | 96 | 123 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 32.5XD3 WCM. 06T308 | 32.5 | 32 | 44 | 183 | 96 | 123 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 33XD3 WCM. 06T308 | 33 | 32 | 44 | 186 | 99 | 126 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 33.5XD3 WCM. 06T308 | 33.5 | 32 | 44 | 186 | 99 | 126 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 34XD3 WCM. 06T308 | 34 | 32 | 44 | 189 | 102 | 129 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 34.5XD3 WCM. 06T308 | 34.5 | 32 | 44 | 189 | 102 | 129 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 35XD3 WCM. 06T308 | 35 | 32 | 44 | 192 | 105 | 132 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 35.5XD3 WCM. 06T308 | 35.5 | 32 | 44 | 192 | 105 | 132 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 36XD3 WCM. 06T308 | 36 | 32 | 44 | 195 | 108 | 135 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 36.5XD3 WCM. 06T308 | 36.5 | 32 | 44 | 195 | 108 | 135 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 37XD3 WCM. 06T308 | 37 | 32 | 44 | 198 | 111 | 138 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 37.5XD3 WCM. 06T308 | 37.5 | 32 | 44 | 198 | 111 | 138 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 38XD3 WCM. 06T308 | 38 | 32 | 44 | 201 | 114 | 141 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 38.5XD3 WCM. 06T308 | 38.5 | 32 | 44 | 201 | 114 | 141 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 39XD3 WCM. 06T308 | 39 | 32 | 44 | 204 | 117 | 144 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 39.5XD3 WCM. 06T308 | 39.5 | 32 | 44 | 204 | 117 | 144 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 40XD3 WCM. 06T308 | 40 | 32 | 44 | 207 | 120 | 147 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 40.5XD3 WCM. 06T308 | 40.5 | 32 | 44 | 207 | 120 | 147 | 60 | WCM. 06T308 | 204,00 € |
| ATUM 41XD3 WCM. 06T308 | 41 | 32 | 44 | 210 | 123 | 150 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 41.5XD3 WCM. 06T308 | 41.5 | 32 | 44 | 210 | 123 | 150 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 42XD3 WCM. 06T308 | 42 | 32 | 44 | 213 | 126 | 153 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 42.5XD3 WCM. 06T308 | 42.5 | 32 | 44 | 213 | 126 | 153 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 43XD3 WCM. 06T308 | 43 | 32 | 44 | 216 | 129 | 156 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 43.5XD3 WCM. 06T308 | 43.5 | 32 | 44 | 216 | 129 | 156 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 44XD3 WCM. 06T308 | 44 | 32 | 44 | 219 | 132 | 159 | 60 | WCM. 06T308 | 225,00 € |
| ATUM 44.5XD3 WCM. 06T308 | 44.5 | 32 | 44 | 219 | 132 | 159 | 60 | WCM. 06T308 | 225,00 € |

**COMPATIPLE WITH ISO INSERT**
*KOMPATIBEL FÜR ISO WENDESCHNEIDPLATTEN*



Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 16XD3 WCM. 030208

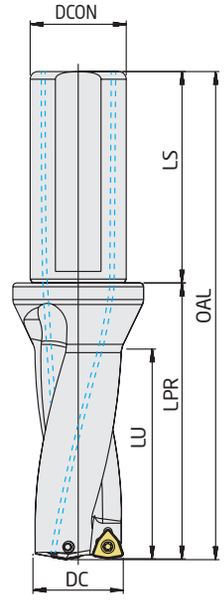
## U-DRILL SYSTEM / *VOLLBOHRER (WCM.)*

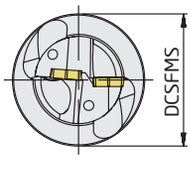
**D3**

COMPATIPLE WITH ISO INSERT
*KOMPATIBEL FÜR ISO WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 45XD3 WCM. 080412 | 45 | 40 | 54 | 237 | 135 | 167 | 70 | WCM. 080412 | 237,00 € |
| ATUM 45.5XD3 WCM. 080412 | 45.5 | 40 | 54 | 237 | 135 | 167 | 70 | WCM. 080412 | 237,00 € |
| ATUM 46XD3 WCM. 080412 | 46 | 40 | 54 | 240 | 138 | 170 | 70 | WCM. 080412 | 251,00 € |
| ATUM 47XD3 WCM. 080412 | 47 | 40 | 54 | 243 | 141 | 173 | 70 | WCM. 080412 | 263,00 € |
| ATUM 48XD3 WCM. 080412 | 48 | 40 | 54 | 246 | 144 | 176 | 70 | WCM. 080412 | 277,00 € |
| ATUM 49XD3 WCM. 080412 | 49 | 40 | 54 | 249 | 147 | 179 | 70 | WCM. 080412 | 290,00 € |
| ATUM 50XD3 WCM. 080412 | 50 | 40 | 54 | 252 | 150 | 182 | 70 | WCM. 080412 | 316,00 € |
| ATUM 51XD3 WCM. 080412 | 51 | 40 | 54 | 255 | 153 | 185 | 70 | WCM. 080412 | 330,00 € |
| ATUM 52XD3 WCM. 080412 | 52 | 40 | 54 | 258 | 156 | 188 | 70 | WCM. 080412 | 343,00 € |
| ATUM 53XD3 WCM. 080412 | 53 | 40 | 54 | 261 | 159 | 191 | 70 | WCM. 080412 | 356,00 € |
| ATUM 54XD3 WCM. 080412 | 54 | 40 | 54 | 264 | 162 | 194 | 70 | WCM. 080412 | 369,00 € |
| ATUM 55XD3 WCM. 080412 | 55 | 40 | 54 | 267 | 165 | 197 | 70 | WCM. 080412 | 369,00 € |
| ATUM 56XD3 WCM. 080412 | 56 | 40 | 59 | 270 | 168 | 200 | 70 | WCM. 080412 | 369,00 € |
| ATUM 57XD3 WCM. 080412 | 57 | 40 | 59 | 273 | 171 | 203 | 70 | WCM. 080412 | 396,00 € |
| ATUM 58XD3 WCM. 080412 | 58 | 40 | 59 | 276 | 174 | 206 | 70 | WCM. 080412 | 396,00 € |
| ATUM 59XD3 WCM. 080412 | 59 | 40 | 59 | 279 | 177 | 209 | 70 | WCM. 080412 | 396,00 € |
| ATUM 60XD3 WCM. 080412 | 60 | 40 | 59 | 282 | 180 | 212 | 70 | WCM. 080412 | 396,00 € |

**D5**




COMPATIPLE WITH ISO INSERT
*KOMPATIBEL FÜR ISO WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 20XD5 WCM. 040208 | 20 | 25 | 34 | 178 | 100 | 122 | 56 | WCM. 040208 | 286.00 € |
| ATUM 21XD5 WCM. 040208 | 21 | 25 | 34 | 183 | 105 | 127 | 56 | WCM. 040208 | 286.00 € |
| ATUM 22XD5 WCM. 040208 | 22 | 25 | 34 | 188 | 110 | 132 | 56 | WCM. 040208 | 286.00 € |
| ATUM 23XD5 WCM. 040208 | 23 | 25 | 34 | 193 | 115 | 137 | 56 | WCM. 040208 | 286.00 € |
| ATUM 24XD5 WCM. 050308 | 24 | 25 | 34 | 198 | 120 | 142 | 56 | WCM. 050308 | 297.00 € |
| ATUM 25XD5 WCM. 050308 | 25 | 25 | 34 | 203 | 125 | 147 | 56 | WCM. 050308 | 297.00 € |
| ATUM 26XD5 WCM. 050308 | 26 | 25 | 34 | 208 | 130 | 152 | 56 | WCM. 050308 | 297.00 € |
| ATUM 27XD5 WCM. 050308 | 27 | 25 | 34 | 213 | 135 | 157 | 56 | WCM. 050308 | 297.00 € |
| ATUM 28XD5 WCM. 050308 | 28 | 25 | 34 | 218 | 140 | 162 | 56 | WCM. 050308 | 297.00 € |
| ATUM 29XD5 WCM. 050308 | 29 | 25 | 34 | 223 | 145 | 167 | 56 | WCM. 050308 | 297.00 € |
| ATUM 30XD5 WCM. 06T308 | 30 | 32 | 44 | 237 | 150 | 177 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 31XD5 WCM. 06T308 | 31 | 32 | 44 | 242 | 155 | 182 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 32XD5 WCM. 06T308 | 32 | 32 | 44 | 247 | 160 | 187 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 33XD5 WCM. 06T308 | 33 | 32 | 44 | 252 | 165 | 192 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 34XD5 WCM. 06T308 | 34 | 32 | 44 | 257 | 170 | 197 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 35XD5 WCM. 06T308 | 35 | 32 | 44 | 262 | 175 | 202 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 37XD5 WCM. 06T308 | 37 | 32 | 44 | 272 | 185 | 212 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 38XD5 WCM. 06T308 | 38 | 32 | 44 | 277 | 190 | 217 | 60 | WCM. 06T308 | 306.00 € |
| ATUM 46XD5 WCM. 080412 | 46 | 40 | 54 | 332 | 230 | 262 | 70 | WCM. 080412 | 395.00 € |

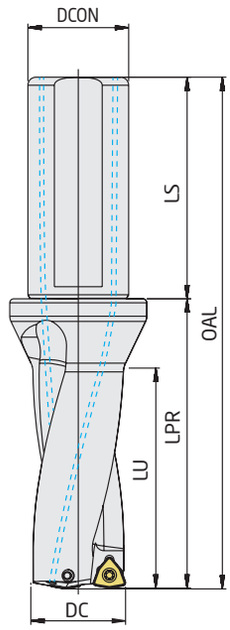


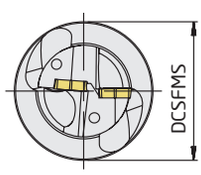
Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 45XD3 WCM. 080412

AKKO®

## U-DRILL SYSTEM / *VOLLBOHRER (WCM.)*

**D4**




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 16XD4 WCM. 030208 | 16 | 25 | 34 | 142 | 64 | 86 | 56 | WCM. 030208 | 280,00 € |
| ATUM 16.5XD4 WCM. 030208 | 16.5 | 25 | 34 | 142 | 64 | 86 | 56 | WCM. 030208 | 280,00 € |
| ATUM 17XD4 WCM. 030208 | 17 | 25 | 34 | 146 | 68 | 90 | 56 | WCM. 030208 | 280,00 € |
| ATUM 17.5XD4 WCM. 030208 | 17.5 | 25 | 34 | 146 | 68 | 90 | 56 | WCM. 030208 | 280,00 € |
| ATUM 18XD4 WCM. 030208 | 18 | 25 | 34 | 150 | 72 | 94 | 56 | WCM. 030208 | 280,00 € |
| ATUM 18.5XD4 WCM. 030208 | 18.5 | 25 | 34 | 150 | 72 | 94 | 56 | WCM. 040208 | 280,00 € |
| ATUM 19XD4 WCM. 030208 | 19 | 25 | 34 | 154 | 76 | 98 | 56 | WCM. 030208 | 280,00 € |
| ATUM 19.5XD4 WCM. 030208 | 19.5 | 25 | 34 | 154 | 76 | 98 | 56 | WCM. 030208 | 280,00 € |
| ATUM 20XD4 WCM. 040208 | 20 | 25 | 34 | 158 | 80 | 102 | 56 | WCM. 040208 | 292.00 € |
| ATUM 20.5XD4 WCM. 040208 | 20.5 | 25 | 34 | 158 | 80 | 102 | 56 | WCM. 040208 | 292.00 € |
| ATUM 21XD4 WCM. 040208 | 21 | 25 | 34 | 162 | 84 | 106 | 56 | WCM. 040208 | 292.00 € |
| ATUM 21.5XD4 WCM. 040208 | 21.5 | 25 | 34 | 162 | 84 | 106 | 56 | WCM. 040208 | 292.00 € |
| ATUM 22XD4 WCM. 040208 | 22 | 25 | 34 | 166 | 88 | 110 | 56 | WCM. 040208 | 292.00 € |
| ATUM 22.5XD4 WCM. 040208 | 22.5 | 25 | 34 | 166 | 88 | 110 | 56 | WCM. 040208 | 292.00 € |
| ATUM 23XD4 WCM. 040208 | 23 | 25 | 34 | 170 | 92 | 114 | 56 | WCM. 040208 | 292.00 € |
| ATUM 23.5XD4 WCM. 040208 | 23.5 | 25 | 34 | 170 | 92 | 114 | 56 | WCM. 040208 | 292.00 € |
| ATUM 24XD4 WCM. 050308 | 24 | 25 | 34 | 174 | 96 | 118 | 56 | WCM. 050308 | 305,00 € |
| NEW ATUM 24.5XD4 WCM. 050308 | 24.5 | 25 | 34 | 174 | 96 | 118 | 56 | WCM. 050308 | 305,00 € |
| ATUM 25XD4 WCM. 050308 | 25 | 25 | 34 | 178 | 100 | 122 | 56 | WCM. 050308 | 305,00 € |
| ATUM 25.5XD4 WCM. 050308 | 25.5 | 25 | 34 | 178 | 100 | 122 | 56 | WCM. 050308 | 305,00 € |
| ATUM 26XD4 WCM. 050308 | 26 | 25 | 34 | 182 | 104 | 126 | 56 | WCM. 050308 | 305,00 € |
| ATUM 26.5XD4 WCM. 050308 | 26.5 | 25 | 34 | 182 | 104 | 126 | 56 | WCM. 050308 | 305,00 € |
| ATUM 27XD4 WCM. 050308 | 27 | 25 | 34 | 186 | 108 | 130 | 56 | WCM. 050308 | 305,00 € |
| ATUM 27.5XD4 WCM. 050308 | 27.5 | 25 | 34 | 186 | 108 | 130 | 56 | WCM. 050308 | 305,00 € |
| ATUM 28XD4 WCM. 050308 | 28 | 25 | 34 | 190 | 112 | 134 | 56 | WCM. 050308 | 305,00 € |
| ATUM 28.5XD4 WCM. 050308 | 28.5 | 25 | 34 | 190 | 112 | 134 | 56 | WCM. 050308 | 305,00 € |
| ATUM 29XD4 WCM. 050308 | 29 | 25 | 34 | 194 | 116 | 138 | 56 | WCM. 050308 | 305,00 € |
| ATUM 29.5XD4 WCM. 050308 | 29.5 | 25 | 34 | 194 | 116 | 138 | 56 | WCM. 050308 | 305,00 € |
| ATUM 30XD4 WCM. 06T308 | 30 | 32 | 44 | 207 | 120 | 147 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 31XD4 WCM. 06T308 | 31 | 32 | 44 | 211 | 124 | 151 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 32XD4 WCM. 06T308 | 32 | 32 | 44 | 215 | 128 | 155 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 33XD4 WCM. 06T308 | 33 | 32 | 44 | 219 | 132 | 159 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 33.5XD4 WCM. 06T308 | 33.5 | 32 | 44 | 219 | 132 | 159 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 34XD4 WCM. 06T308 | 34 | 32 | 44 | 223 | 136 | 163 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 35XD4 WCM. 06T308 | 35 | 32 | 44 | 227 | 140 | 167 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 36XD4 WCM. 06T308 | 36 | 32 | 44 | 231 | 144 | 171 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 37XD4 WCM. 06T308 | 37 | 32 | 44 | 235 | 148 | 175 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 38XD4 WCM. 06T308 | 38 | 32 | 44 | 239 | 152 | 179 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 38.5XD4 WCM. 06T308 | 38.5 | 32 | 44 | 239 | 152 | 179 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 39XD4 WCM. 06T308 | 39 | 32 | 44 | 243 | 156 | 183 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 40XD4 WCM. 06T308 | 40 | 32 | 44 | 247 | 160 | 187 | 60 | WCM. 06T308 | 317.00 € |
| ATUM 41XD4 WCM. 06T308 | 41 | 32 | 44 | 251 | 164 | 191 | 60 | WCM. 06T308 | 341,00 € |
| ATUM 42XD4 WCM. 06T308 | 42 | 32 | 44 | 255 | 168 | 195 | 60 | WCM. 06T308 | 341,00 € |
| ATUM 43XD4 WCM. 06T308 | 43 | 32 | 44 | 259 | 172 | 199 | 60 | WCM. 06T308 | 341,00 € |
| ATUM 44XD4 WCM. 06T308 | 44 | 32 | 44 | 263 | 176 | 203 | 60 | WCM. 06T308 | 341,00 € |
| ATUM 45XD4 WCM. 080412 | 45 | 40 | 54 | 282 | 180 | 212 | 70 | WCM. 080412 | 366.00 € |
| ATUM 46XD4 WCM. 080412 | 46 | 40 | 54 | 286 | 184 | 216 | 70 | WCM. 080412 | 389.00 € |
| ATUM 47XD4 WCM. 080412 | 47 | 40 | 54 | 290 | 188 | 220 | 70 | WCM. 080412 | 414.00 € |
| ATUM 48XD4 WCM. 080412 | 48 | 40 | 54 | 294 | 192 | 224 | 70 | WCM. 080412 | 438.00 € |
| ATUM 49XD4 WCM. 080412 | 49 | 40 | 54 | 298 | 196 | 228 | 70 | WCM. 080412 | 462.00 € |
| ATUM 50XD4 WCM. 080412 | 50 | 40 | 54 | 302 | 200 | 232 | 70 | WCM. 080412 | 486.00 € |

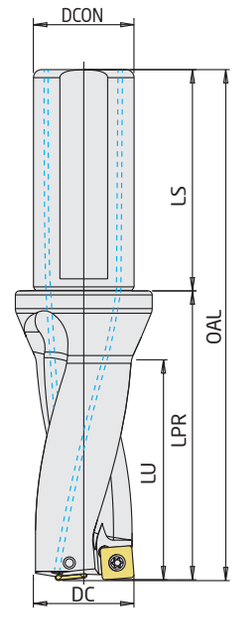
**COMPATIPLE WITH ISO INSERT**
*KOMPATIBEL FÜR ISO WENDESCHNEIDPLATTEN*

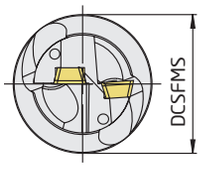


Ordering Example/*Beispiel Bestellformular:* 1pcs.ATUM 29.5XD4 WCM. 050308

## U-DRILL SYSTEM / *VOLLBOHRER (SPMG.)*

**D2**




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 12.5XD2 SP.. 050204 | 12.5 | 20 | 25 | 96 | 24 | 46 | 50 | SP.. 050204 | 172,00 € |
| ATUM 13XD2 SP.. 050204 | 13 | 20 | 25 | 98 | 26 | 48 | 50 | SP.. 050204 | 172,00 € |
| ATUM 13.5XD2 SP.. 050204 | 13.5 | 20 | 25 | 98 | 26 | 48 | 50 | SP.. 050204 | 172,00 € |
| ATUM 14XD2 SP.. 050204 | 14 | 20 | 25 | 100 | 28 | 50 | 50 | SP.. 050204 | 172,00 € |
| ATUM 14.5XD2 SP.. 050204 | 14.5 | 20 | 25 | 100 | 28 | 50 | 50 | SP.. 050204 | 172,00 € |
| ATUM 15XD2 SP.. 050204 | 15 | 20 | 25 | 102 | 30 | 52 | 50 | SP.. 050204 | 172,00 € |
| ATUM 15.5XD2 SP.. 060204 | 15.5 | 20 | 25 | 102 | 30 | 52 | 50 | SP.. 060204 | 172,00 € |
| ATUM 16XD2 SP.. 060204 | 16 | 25 | 34 | 110 | 32 | 54 | 56 | SP.. 060204 | 172,00 € |
| ATUM 16.5XD2 SP.. 060204 | 16.5 | 25 | 34 | 110 | 32 | 54 | 56 | SP.. 060204 | 172,00 € |
| ATUM 17XD2 SP.. 060204 | 17 | 25 | 34 | 112 | 34 | 56 | 56 | SP.. 060204 | 172,00 € |
| ATUM 17.5XD2 SP.. 060204 | 17.5 | 25 | 34 | 112 | 34 | 56 | 56 | SP.. 060204 | 172,00 € |
| ATUM 18XD2 SP.. 060204 | 18 | 25 | 34 | 114 | 36 | 58 | 56 | SP.. 060204 | 172,00 € |
| ATUM 18.5D2 SP.. 060204 | 18.5 | 25 | 34 | 114 | 36 | 58 | 56 | SP.. 060204 | 172,00 € |
| ATUM 19XD2 SP.. 060204 | 19 | 25 | 34 | 116 | 38 | 60 | 56 | SP.. 060204 | 172,00 € |
| ATUM 19.5XD2 SP.. 060204 | 19.5 | 25 | 34 | 116 | 38 | 60 | 56 | SP.. 060204 | 172,00 € |
| ATUM 20XD2 SP.. 060204 | 20 | 25 | 34 | 118 | 40 | 62 | 56 | SP.. 060204 | 184,00 € |
| ATUM 20.5XD2 SP.. 060204 | 20.5 | 25 | 34 | 118 | 40 | 62 | 56 | SP.. 060204 | 184,00 € |
| ATUM 21XD2 SP.. 060204 | 21 | 25 | 34 | 120 | 42 | 64 | 56 | SP.. 060204 | 184,00 € |
| ATUM 21.5XD2 SP.. 060204 | 21.5 | 25 | 34 | 120 | 42 | 64 | 56 | SP.. 060204 | 184,00 € |
| ATUM 22XD2 SP.. 07T308 | 22 | 25 | 34 | 122 | 44 | 66 | 56 | SP.. 07T308 | 184,00 € |
| ATUM 22XD2 SP.. 07T308-32 | 22 | 32 | 44 | 131 | 44 | 71 | 60 | SP.. 07T308 | 202,00 € |
| ATUM 22.5XD2 SP.. 07T308 | 22.5 | 25 | 34 | 122 | 44 | 66 | 56 | SP.. 07T308 | 184,00 € |
| ATUM 23XD2 SP.. 07T308 | 23 | 25 | 34 | 124 | 46 | 68 | 56 | SP.. 07T308 | 184,00 € |
| ATUM 23XD2 SP.. 07T308-32 | 23 | 32 | 44 | 133 | 46 | 73 | 60 | SP.. 07T308 | 184,00 € |
| ATUM 23.5XD2 SP.. 07T308 | 23.5 | 25 | 34 | 124 | 46 | 68 | 56 | SP.. 07T308 | 184,00 € |
| ATUM 24XD2 SP.. 07T308 | 24 | 25 | 34 | 126 | 48 | 70 | 56 | SP.. 07T308 | 210,00 € |
| ATUM 24XD2 SP.. 07T308-32 | 24 | 32 | 44 | 135 | 48 | 75 | 60 | SP.. 07T308 | 210,00 € |
| ATUM 24.5XD2 SP.. 07T308 | 24.5 | 25 | 34 | 126 | 48 | 70 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 25XD2 SP.. 07T308 | 25 | 25 | 34 | 128 | 50 | 72 | 56 | SP.. 07T308 | 210,00 € |
| ATUM 25XD2 SP.. 07T308-32 | 25 | 32 | 44 | 137 | 50 | 77 | 60 | SP.. 07T308 | 210,00 € |
| ATUM 25.5XD2 SP.. 07T308 | 25.5 | 25 | 34 | 128 | 50 | 72 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 26XD2 SP.. 07T308 | 26 | 25 | 34 | 130 | 52 | 74 | 56 | SP.. 07T308 | 210,00 € |
| ATUM 26XD2 SP.. 07T308-32 | 26 | 32 | 44 | 139 | 52 | 79 | 60 | SP.. 07T308 | 210,00 € |
| ATUM 26.5XD2 SP.. 07T308 | 26.5 | 25 | 34 | 130 | 52 | 74 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 27XD2 SP.. 07T308 | 27 | 25 | 34 | 132 | 54 | 76 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 27XD2 SP.. 07T308-32 | 27 | 32 | 44 | 141 | 54 | 81 | 60 | SP.. 07T308 | 192,00 € |
| ATUM 27.5XD2 SP.. 07T308 | 27.5 | 25 | 34 | 132 | 54 | 76 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 28XD2 SP.. 090408 | 28 | 25 | 34 | 134 | 56 | 78 | 56 | SP.. 090408 | 210,00 € |
| ATUM 28XD2 SP.. 090408-32 | 28 | 32 | 44 | 143 | 56 | 83 | 60 | SP.. 090408 | 210,00 € |
| ATUM 28.5XD2 SP.. 090408 | 28.5 | 25 | 34 | 134 | 56 | 78 | 56 | SP.. 090408 | 192,00 € |
| ATUM 29XD2 SP.. 090408 | 29 | 25 | 34 | 136 | 58 | 80 | 56 | SP.. 090408 | 210,00 € |
| ATUM 29XD2 SP.. 090408-32 | 29 | 32 | 44 | 145 | 58 | 85 | 60 | SP.. 090408 | 210,00 € |
| ATUM 29.5XD2 SP.. 090408 | 29.5 | 25 | 34 | 136 | 58 | 80 | 56 | SP.. 090408 | 192,00 € |
| ATUM 30XD2 SP.. 090408 | 30 | 32 | 44 | 147 | 60 | 87 | 60 | SP.. 090408 | 204,00 € |
| ATUM 31XD2 SP.. 090408 | 31 | 32 | 44 | 149 | 62 | 89 | 60 | SP.. 090408 | 204,00 € |
| ATUM 32XD2 SP.. 090408 | 32 | 32 | 44 | 151 | 64 | 91 | 60 | SP.. 090408 | 204,00 € |
| ATUM 33XD2 SP.. 090408 | 33 | 32 | 44 | 153 | 66 | 93 | 60 | SP.. 090408 | 204,00 € |
| ATUM 34XD2 SP.. 110408 | 34 | 32 | 44 | 155 | 68 | 95 | 60 | SP.. 110408 | 204,00 € |
| ATUM 35XD2 SP.. 110408 | 35 | 32 | 44 | 157 | 70 | 97 | 60 | SP.. 110408 | 204,00 € |
| ATUM 36XD2 SP.. 110408 | 36 | 32 | 44 | 159 | 72 | 99 | 60 | SP.. 110408 | 204,00 € |
| ATUM 37XD2 SP.. 110408 | 37 | 32 | 44 | 161 | 74 | 101 | 60 | SP.. 110408 | 204,00 € |
| ATUM 38XD2 SP.. 110408 | 38 | 32 | 44 | 163 | 76 | 103 | 60 | SP.. 110408 | 204,00 € |
| ATUM 39XD2 SP.. 110408 | 39 | 32 | 44 | 165 | 78 | 105 | 60 | SP.. 110408 | 204,00 € |
| ATUM 40XD2 SP.. 110408 | 40 | 32 | 44 | 167 | 80 | 107 | 60 | SP.. 110408 | 204,00 € |
| ATUM 41XD2 SP.. 110408 | 41 | 32 | 44 | 169 | 82 | 109 | 60 | SP.. 110408 | 211,00 € |
| ATUM 42XD2 SP.. 140512 | 42 | 32 | 44 | 171 | 84 | 111 | 60 | SP.. 140512 | 211,00 € |
| ATUM 43XD2 SP.. 140512 | 43 | 32 | 44 | 173 | 86 | 113 | 60 | SP.. 140512 | 211,00 € |
| ATUM 44XD2 SP.. 140512 | 44 | 32 | 44 | 175 | 88 | 115 | 60 | SP.. 140512 | 211,00 € |
| ATUM 45XD2 SP.. 140512 | 45 | 40 | 54 | 192 | 90 | 122 | 70 | SP.. 140512 | 231,00 € |
| ATUM 46XD2 SP.. 140512 | 46 | 40 | 54 | 194 | 92 | 124 | 70 | SP.. 140512 | 243,00 € |
| ATUM 47XD2 SP.. 140512 | 47 | 40 | 54 | 196 | 94 | 126 | 70 | SP.. 140512 | 263,00 € |
| ATUM 48XD2 SP.. 140512 | 48 | 40 | 54 | 198 | 96 | 128 | 70 | SP.. 140512 | 277,00 € |
| ATUM 49XD2 SP.. 140512 | 49 | 40 | 54 | 200 | 98 | 130 | 70 | SP.. 140512 | 290,00 € |
| ATUM 50XD2 SP.. 140512 | 50 | 40 | 54 | 202 | 100 | 132 | 70 | SP.. 140512 | 303,00 € |

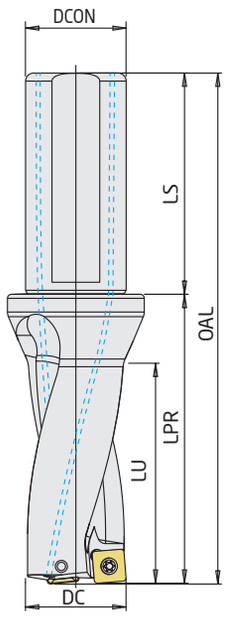
**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

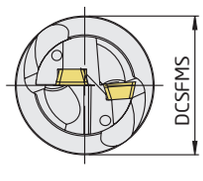


Ordering Example/*Beispiel Bestellformular:* 1pcs.ATUM 12.5XD2 SP.. 050204

## U-DRILL SYSTEM / *VOLLBOHRER (SPMG.)*

**D3**




**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 12.5XD3 SP.. 050204 | 12,5 | 20 | 25 | 108 | 36 | 58 | 50 | SP.. 050204 | 184,00 € |
| ATUM 13XD3 SP.. 050204 | 13 | 20 | 25 | 111 | 39 | 61 | 50 | SP.. 050204 | 184,00 € |
| ATUM 13.5XD3 SP.. 050204 | 13,5 | 20 | 25 | 111 | 39 | 61 | 50 | SP.. 050204 | 184,00 € |
| ATUM 14XD3 SP.. 050204 | 14 | 20 | 25 | 114 | 42 | 64 | 50 | SP.. 050204 | 184,00 € |
| ATUM 14.5XD3 SP.. 050204 | 14,5 | 20 | 25 | 114 | 42 | 64 | 50 | SP.. 050204 | 184,00 € |
| ATUM 15XD3 SP.. 050204 | 15 | 20 | 25 | 117 | 45 | 67 | 50 | SP.. 050204 | 184,00 € |
| ATUM 15.5XD3 SP.. 060204 | 15,5 | 20 | 25 | 117 | 45 | 67 | 50 | SP.. 060204 | 184,00 € |
| ATUM 16XD3 SP.. 060204 | 16 | 25 | 34 | 126 | 48 | 70 | 56 | SP.. 060204 | 184,00 € |
| ATUM 16.5XD3 SP.. 060204 | 16,5 | 25 | 34 | 126 | 48 | 70 | 56 | SP.. 060204 | 184,00 € |
| ATUM 17XD3 SP.. 060204 | 17 | 25 | 34 | 129 | 51 | 73 | 56 | SP.. 060204 | 184,00 € |
| ATUM 17.5XD3 SP.. 060204 | 17,5 | 25 | 34 | 129 | 51 | 73 | 56 | SP.. 060204 | 184,00 € |
| ATUM 18XD3 SP.. 060204 | 18 | 25 | 34 | 132 | 54 | 76 | 56 | SP.. 060204 | 184,00 € |
| ATUM 18.5XD3 SP.. 060204 | 18,5 | 25 | 34 | 132 | 54 | 76 | 56 | SP.. 060204 | 184,00 € |
| ATUM 19xD3 SP.. 060204 | 19 | 25 | 34 | 135 | 57 | 79 | 56 | SP.. 060204 | 184,00 € |
| ATUM 19.5XD3 SP.. 060204 | 19,5 | 25 | 34 | 135 | 57 | 79 | 56 | SP.. 060204 | 184,00 € |
| ATUM 20XD3 SP.. 060204 | 20 | 25 | 34 | 138 | 60 | 82 | 56 | SP.. 060204 | 192,00 € |
| ATUM 20.5XD3 SP.. 060204 | 20,5 | 25 | 34 | 138 | 60 | 82 | 56 | SP.. 060204 | 192,00 € |
| ATUM 21XD3 SP.. 060204 | 21 | 25 | 34 | 141 | 63 | 85 | 56 | SP.. 060204 | 192,00 € |
| ATUM 21.5XD3 SP.. 060204 | 21,5 | 25 | 34 | 141 | 63 | 85 | 56 | SP.. 060204 | 192,00 € |
| ATUM 22XD3 SP.. 07T308 | 22 | 25 | 34 | 144 | 66 | 88 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 22XD3 SP.. 07T308-32 | 22 | 32 | 44 | 153 | 66 | 93 | 60 | SP.. 07T308 | 210,00 € |
| ATUM 22.5XD3 SP.. 07T308 | 22,5 | 25 | 34 | 144 | 66 | 88 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 23XD3 SP.. 07T308 | 23 | 25 | 34 | 147 | 69 | 91 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 23XD3 SP.. 07T308-32 | 23 | 32 | 44 | 156 | 69 | 96 | 60 | SP.. 07T308 | 210,00 € |
| ATUM 23.5XD3 SP.. 07T308 | 23,5 | 25 | 34 | 147 | 69 | 91 | 56 | SP.. 07T308 | 192,00 € |
| ATUM 24XD3 SP.. 07T308 | 24 | 25 | 34 | 150 | 72 | 94 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 24XD3 SP.. 07T308-32 | 24 | 32 | 44 | 159 | 72 | 99 | 60 | SP.. 07T308 | 219,00 € |
| ATUM 24.5XD3 SP.. 07T308 | 24,5 | 25 | 34 | 150 | 72 | 94 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 25XD3 SP.. 07T308 | 25 | 25 | 34 | 153 | 75 | 97 | 56 | SP.. 07T308 | 218,00 € |
| ATUM 25XD3 SP.. 07T308-32 | 25 | 32 | 34 | 162 | 75 | 102 | 60 | SP.. 07T308 | 219,00 € |
| ATUM 25.5XD3 SP.. 07T308 | 25,5 | 25 | 34 | 153 | 75 | 97 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 26XD3 SP.. 07T308 | 26 | 25 | 34 | 156 | 78 | 100 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 26XD3 SP.. 07T308-32 | 26 | 32 | 44 | 165 | 78 | 105 | 60 | SP.. 07T308 | 219,00 € |
| ATUM 26.5XD3 SP.. 07T308 | 26,5 | 25 | 34 | 156 | 78 | 100 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 27XD3 SP.. 07T308 | 27 | 25 | 34 | 159 | 81 | 103 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 27XD3 SP.. 07T308-32 | 27 | 32 | 44 | 168 | 81 | 108 | 60 | SP.. 07T308 | 219,00 € |
| ATUM 27.5XD3 SP.. 07T308 | 27,5 | 25 | 34 | 159 | 81 | 103 | 56 | SP.. 07T308 | 198,00 € |
| ATUM 28XD3 SP.. 090408 | 28 | 25 | 34 | 162 | 84 | 106 | 56 | SP.. 090408 | 198,00 € |
| ATUM 28XD3 SP.. 090408-32 | 28 | 32 | 44 | 171 | 84 | 111 | 60 | SP.. 090408 | 219,00 € |
| ATUM 28.5XD3 SP.. 090408 | 28,5 | 25 | 34 | 162 | 84 | 106 | 56 | SP.. 090408 | 198,00 € |
| ATUM 29XD3 SP.. 090408 | 29 | 25 | 34 | 165 | 87 | 109 | 56 | SP.. 090408 | 198,00 € |
| ATUM 29XD3 SP.. 090408-32 | 29 | 32 | 44 | 174 | 87 | 114 | 6 | SP.. 090408 | 219,00 € |
| ATUM 29.5XD3 SP.. 090408 | 29,5 | 25 | 34 | 165 | 87 | 109 | 56 | SP.. 090408 | 198,00 € |
| ATUM 30XD3 SP.. 090408 | 30 | 32 | 44 | 177 | 90 | 117 | 60 | SP.. 090408 | 204,00 € |
| ATUM 30.5XD3 SP.. 090408 | 30.5 | 32 | 44 | 177 | 90 | 117 | 60 | SP.. 090408 | 204,00 € |
| ATUM 31XD3 SP.. 090408 | 31 | 32 | 44 | 180 | 93 | 120 | 60 | SP.. 090408 | 204,00 € |
| ATUM 31.5XD3 SP.. 090408 | 31.5 | 32 | 44 | 180 | 93 | 120 | 60 | SP.. 090408 | 204,00 € |
| ATUM 32XD3 SP.. 090408 | 32 | 32 | 44 | 183 | 96 | 123 | 60 | SP.. 090408 | 204,00 € |
| ATUM 32.5XD3 SP.. 090408 | 32.5 | 32 | 44 | 183 | 96 | 123 | 60 | SP.. 090408 | 204,00 € |
| ATUM 33XD3 SP.. 090408 | 33 | 32 | 44 | 186 | 99 | 126 | 60 | SP.. 090408 | 204,00 € |
| ATUM 33.5XD3 SP.. 090408 | 33.5 | 32 | 44 | 186 | 99 | 126 | 60 | SP.. 090408 | 204,00 € |
| ATUM 34XD3 SP.. 110408 | 34 | 32 | 44 | 189 | 102 | 129 | 60 | SP.. 110408 | 204,00 € |
| ATUM 34.5XD3 SP.. 110408 | 34.5 | 32 | 44 | 189 | 102 | 129 | 60 | SP.. 110408 | 204,00 € |
| ATUM 35XD3 SP.. 110408 | 35 | 32 | 44 | 192 | 105 | 132 | 60 | SP.. 110408 | 204,00 € |
| ATUM 35.5XD3 SP.. 110408 | 35.5 | 32 | 44 | 192 | 105 | 132 | 60 | SP.. 110408 | 204,00 € |
| ATUM 36XD3 SP.. 110408 | 36 | 32 | 44 | 195 | 108 | 135 | 60 | SP.. 110408 | 204,00 € |
| ATUM 36.5XD3 SP.. 110408 | 36.5 | 32 | 44 | 195 | 108 | 135 | 60 | SP.. 110408 | 204,00 € |
| ATUM 37XD3 SP.. 110408 | 37 | 32 | 44 | 198 | 111 | 138 | 60 | SP.. 110408 | 204,00 € |
| ATUM 37.5XD3 SP.. 110408 | 37.5 | 32 | 44 | 198 | 111 | 138 | 60 | SP.. 110408 | 204,00 € |
| ATUM 38XD3 SP.. 110408 | 38 | 32 | 44 | 201 | 114 | 141 | 60 | SP.. 110408 | 204,00 € |
| ATUM 38.5XD3 SP.. 110408 | 38.5 | 32 | 44 | 201 | 114 | 141 | 60 | SP.. 110408 | 204,00 € |



Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 12.5XD3 SP.. 050204

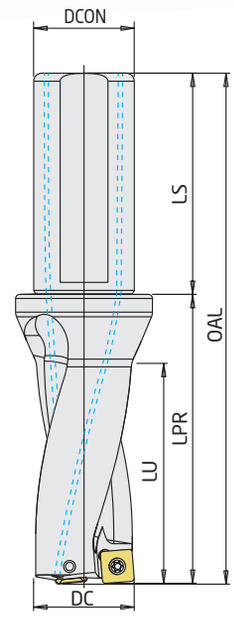
## U-DRILL SYSTEM / *VOLLBOHRER (SPMG.)*

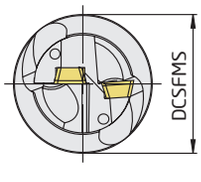
### D3

COMPATIPLE WITH TGTC INSERT
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 39XD3 SP.. 110408 | 39 | 32 | 44 | 204 | 117 | 144 | 60 | SP.. 110408 | 204,00 € |
| ATUM 39.5XD3 SP.. 110408 | 39.5 | 32 | 44 | 204 | 117 | 144 | 60 | SP.. 110408 | 204,00 € |
| ATUM 40XD3 SP.. 110408 | 40 | 32 | 44 | 207 | 120 | 147 | 60 | SP.. 110408 | 204,00 € |
| ATUM 40.5XD3 SP.. 110408 | 40.5 | 32 | 44 | 207 | 120 | 147 | 60 | SP.. 110408 | 204,00 € |
| ATUM 41XD3 SP.. 110408 | 41 | 32 | 44 | 210 | 123 | 150 | 60 | SP.. 110408 | 225,00 € |
| ATUM 41.5XD3 SP.. 110408 | 41.5 | 32 | 44 | 210 | 123 | 150 | 60 | SP.. 110408 | 225,00 € |
| ATUM 42XD3 SP.. 140512 | 42 | 32 | 44 | 213 | 126 | 153 | 60 | SP.. 140512 | 225,00 € |
| ATUM 42.5XD3 SP.. 140512 | 42.5 | 32 | 44 | 213 | 126 | 153 | 60 | SP.. 140512 | 225,00 € |
| ATUM 43XD3 SP.. 140512 | 43 | 32 | 44 | 216 | 129 | 156 | 60 | SP.. 140512 | 225,00 € |
| ATUM 43.5XD3 SP.. 140512 | 43.5 | 32 | 44 | 216 | 129 | 156 | 60 | SP.. 140512 | 225,00 € |
| ATUM 44XD3 SP.. 140512 | 44 | 32 | 44 | 219 | 132 | 159 | 60 | SP.. 140512 | 225,00 € |
| ATUM 44.5XD3 SP.. 140512 | 44.5 | 32 | 44 | 219 | 132 | 159 | 60 | SP.. 140512 | 225,00 € |
| ATUM 45XD3 SP.. 140512 | 45 | 50 | 54 | 237 | 135 | 167 | 70 | SP.. 140512 | 237,00 € |
| ATUM 45.5XD3 SP.. 140512 | 45.5 | 50 | 54 | 237 | 135 | 167 | 70 | SP.. 140512 | 237,00 € |
| ATUM 46XD3 SP.. 140512 | 46 | 50 | 54 | 240 | 138 | 170 | 70 | SP.. 140512 | 251,00 € |
| ATUM 47XD3 SP.. 140512 | 47 | 50 | 54 | 243 | 141 | 173 | 70 | SP.. 140512 | 263,00 € |
| ATUM 48XD3 SP.. 140512 | 48 | 50 | 54 | 246 | 144 | 176 | 70 | SP.. 140512 | 277,00 € |
| ATUM 49XD3 SP.. 140512 | 49 | 50 | 54 | 249 | 147 | 179 | 70 | SP.. 140512 | 290,00 € |
| ATUM 50XD3 SP.. 140512 | 50 | 50 | 54 | 252 | 150 | 182 | 70 | SP.. 140512 | 316,00 € |
| ATUM 51XD3 SP.. 140512 | 51 | 50 | 54 | 255 | 153 | 185 | 70 | SP.. 140512 | 330,00 € |
| ATUM 52XD3 SP.. 140512 | 52 | 50 | 54 | 258 | 156 | 188 | 70 | SP.. 140512 | 343,00 € |

### D4




COMPATIPLE WITH TGTC INSERT
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 13XD4 SP.. 050204 | 13 | 20 | 25 | 124 | 52 | 74 | 50 | SP.. 050204 | 280,00 € |
| ATUM 14XD4 SP.. 050204 | 14 | 20 | 25 | 128 | 56 | 78 | 50 | SP.. 050204 | 280,00 € |
| ATUM 14.5XD4 SP.. 050204 | 14.5 | 20 | 25 | 128 | 56 | 75 | 50 | SP.. 050204 | 280,00 € |
| ATUM 15XD4 SP.. 050204 | 15 | 20 | 25 | 132 | 60 | 82 | 50 | SP.. 050204 | 280,00 € |
| ATUM 16XD4 SP.. 060204 | 16 | 25 | 34 | 142 | 64 | 86 | 56 | SP.. 060204 | 280,00 € |
| ATUM 17XD4 SP.. 060204 | 17 | 25 | 34 | 146 | 68 | 90 | 56 | SP.. 060204 | 280,00 € |
| ATUM 17.5XD4 SP.. 060204 | 17.5 | 25 | 34 | 146 | 68 | 90 | 56 | SP.. 060204 | 280,00 € |
| ATUM 18XD4 SP.. 060204 | 18 | 25 | 34 | 150 | 72 | 94 | 56 | SP.. 060204 | 280,00 € |
| ATUM 19XD4 SP.. 060204 | 19 | 25 | 34 | 154 | 76 | 98 | 56 | SP.. 060204 | 280,00 € |
| ATUM 19.5XD4 SP.. 060204 | 19.5 | 25 | 34 | 154 | 76 | 98 | 56 | SP.. 060204 | 280,00 € |
| ATUM 20XD4 SP.. 060204 | 20 | 25 | 34 | 158 | 80 | 102 | 56 | SP.. 060204 | 292,00 € |
| ATUM 21XD4 SP.. 060204 | 21 | 25 | 34 | 162 | 84 | 106 | 56 | SP.. 060204 | 292,00 € |
| ATUM 22XD4 SP.. 07T308 | 22 | 25 | 34 | 166 | 88 | 110 | 56 | SP.. 07T308 | 292,00 € |
| ATUM 23XD4 SP.. 07T308 | 23 | 25 | 34 | 170 | 92 | 114 | 56 | SP.. 07T308 | 292,00 € |
| ATUM 23.5XD4 SP.. 07T308 | 23.5 | 25 | 34 | 170 | 92 | 114 | 56 | SP.. 07T308 | 292,00 € |
| ATUM 24XD4 SP.. 07T308 | 24 | 25 | 34 | 174 | 96 | 118 | 56 | SP.. 07T308 | 305,00 € |
| ATUM 25XD4 SP.. 07T308 | 25 | 25 | 34 | 178 | 100 | 122 | 56 | SP.. 07T308 | 305,00 € |
| ATUM 26XD4 SP.. 07T308 | 26 | 25 | 34 | 182 | 104 | 126 | 56 | SP.. 07T308 | 305,00 € |
| ATUM 27XD4 SP.. 07T308 | 27 | 25 | 34 | 186 | 108 | 130 | 56 | SP.. 07T308 | 305,00 € |
| ATUM 27.5XD4 SP.. 07T308 | 27.5 | 25 | 34 | 186 | 108 | 130 | 56 | SP.. 07T308 | 305,00 € |
| ATUM 28XD4 SP.. 090408 | 28 | 25 | 34 | 190 | 112 | 134 | 56 | SP.. 090408 | 305,00 € |
| ATUM 29XD4 SP.. 090408 | 29 | 25 | 34 | 194 | 116 | 138 | 56 | SP.. 090408 | 305,00 € |
| ATUM 30XD4 SP.. 090408 | 30 | 32 | 44 | 207 | 120 | 147 | 60 | SP.. 090408 | 317,00 € |
| ATUM 31XD4 SP.. 090408 | 31 | 32 | 44 | 211 | 124 | 151 | 60 | SP.. 090408 | 317,00 € |
| ATUM 32XD4 SP.. 090408 | 32 | 32 | 44 | 215 | 128 | 155 | 60 | SP.. 090408 | 317,00 € |
| ATUM 33XD4 SP.. 090408 | 33 | 32 | 44 | 219 | 132 | 159 | 60 | SP.. 090408 | 317,00 € |
| ATUM 33.5XD4 SP.. 090408 | 33.5 | 32 | 44 | 219 | 132 | 159 | 60 | SP.. 090408 | 317,00 € |
| ATUM 34XD4 SP.. 110408 | 34 | 32 | 44 | 223 | 136 | 163 | 60 | SP.. 110408 | 317,00 € |
| ATUM 35XD4 SP.. 110408 | 35 | 32 | 44 | 227 | 140 | 167 | 60 | SP.. 110408 | 317,00 € |
| ATUM 36XD4 SP.. 110408 | 36 | 32 | 44 | 231 | 144 | 171 | 60 | SP.. 110408 | 317,00 € |
| ATUM 37XD4 SP.. 110408 | 37 | 32 | 44 | 235 | 148 | 175 | 60 | SP.. 110408 | 317,00 € |
| ATUM 38XD4 SP.. 110408 | 38 | 32 | 44 | 239 | 152 | 179 | 60 | SP.. 110408 | 317,00 € |
| ATUM 39XD4 SP.. 110408 | 39 | 32 | 44 | 243 | 156 | 183 | 60 | SP.. 110408 | 317,00 € |
| ATUM 40XD4 SP.. 110408 | 40 | 32 | 44 | 247 | 160 | 187 | 60 | SP.. 110408 | 317,00 € |
| ATUM 41XD4 SP.. 110408 | 41 | 32 | 44 | 251 | 164 | 191 | 60 | SP.. 110408 | 341,00 € |
| ATUM 42XD4 SP.. 140512 | 42 | 32 | 44 | 255 | 168 | 195 | 60 | SP.. 140512 | 341,00 € |
| ATUM 43XD4 SP.. 140512 | 43 | 32 | 44 | 259 | 172 | 199 | 60 | SP.. 140512 | 341,00 € |
| ATUM 44XD4 SP.. 140512 | 44 | 32 | 44 | 263 | 176 | 203 | 60 | SP.. 140512 | 341,00 € |
| ATUM 46XD4 SP.. 140512 | 46 | 40 | 54 | 286 | 184 | 216 | 70 | SP.. 140512 | 421,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SPMG.)*

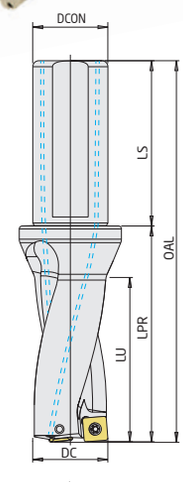
**D5**

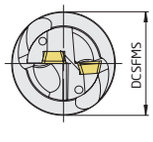
COMPATIPLE WITH TGTC INSERT
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 13XD5 SP.. 050204 | 13 | 20 | 25 | 137 | 65 | 87 | 50 | SP.. 050204 | 275,00 € |
| ATUM 14XD5 SP.. 050204 | 14 | 20 | 25 | 142 | 70 | 92 | 50 | SP.. 050204 | 275,00 € |
| ATUM 14.5XD5 SP.. 050204 | 14.5 | 20 | 25 | 142 | 70 | 92 | 50 | SP.. 050204 | 275,00 € |
| ATUM 15XD5 SP.. 050204 | 15 | 20 | 25 | 147 | 75 | 97 | 50 | SP.. 050204 | 275,00 € |
| ATUM 16XD5 SP.. 060204 | 16 | 25 | 34 | 158 | 80 | 102 | 56 | SP.. 060204 | 275,00 € |
| ATUM 17XD5 SP.. 060204 | 17 | 25 | 34 | 163 | 85 | 107 | 56 | SP.. 060204 | 275,00 € |
| ATUM 17XD5 SP.. 060204-32 | 17 | 32 | 34 | 163 | 85 | 107 | 56 | SP.. 060204 | 302,00 € |
| ATUM 18XD5 SP.. 060204 | 18 | 25 | 34 | 168 | 90 | 112 | 56 | SP.. 060204 | 275,00 € |
| ATUM 19XD5 SP.. 060204 | 19 | 25 | 34 | 173 | 95 | 117 | 56 | SP.. 060204 | 275,00 € |
| ATUM 20XD5 SP.. 060204 | 20 | 25 | 34 | 178 | 100 | 122 | 56 | SP.. 060204 | 286,00 € |
| ATUM 21XD5 SP.. 060204 | 21 | 25 | 34 | 183 | 105 | 127 | 56 | SP.. 060204 | 286,00 € |
| ATUM 22XD5 SP.. 07T308 | 22 | 25 | 34 | 188 | 110 | 132 | 56 | SP.. 07T308 | 286,00 € |
| ATUM 22XD5 SP.. 07T308-32 | 22 | 32 | 44 | 197 | 110 | 137 | 60 | SP.. 07T308 | 315,00 € |
| ATUM 23XD5 SP.. 07T308 | 23 | 25 | 34 | 193 | 115 | 137 | 56 | SP.. 07T308 | 286,00 € |
| ATUM 23XD5 SP.. 07T308-32 | 23 | 32 | 44 | 202 | 115 | 142 | 60 | SP.. 07T308 | 315,00 € |
| ATUM 24XD5 SP.. 07T308-32 | 24 | 32 | 44 | 207 | 120 | 147 | 60 | SP.. 07T308 | 326,00 € |
| ATUM 25XD5 SP.. 07T308 | 25 | 25 | 34 | 203 | 125 | 147 | 56 | SP.. 07T308 | 297,00 € |
| ATUM 25XD5 SP.. 07T308-32 | 25 | 32 | 44 | 212 | 125 | 152 | 60 | SP.. 07T308 | 326,00 € |
| ATUM 26XD5 SP.. 07T308 | 26 | 25 | 34 | 208 | 130 | 152 | 56 | SP.. 07T308 | 297,00 € |
| ATUM 26XD5 SP.. 07T308-32 | 26 | 32 | 44 | 217 | 130 | 157 | 60 | SP.. 07T308 | 326,00 € |
| ATUM 27XD5 SP.. 07T308 | 27 | 25 | 34 | 213 | 135 | 157 | 56 | SP.. 07T308 | 297,00 € |
| ATUM 27XD5 SP.. 07T308-32 | 27 | 32 | 44 | 222 | 135 | 162 | 60 | SP.. 07T308 | 326,00 € |
| ATUM 28XD5 SP.. 090408-32 | 28 | 32 | 44 | 227 | 140 | 167 | 60 | SP.. 090408 | 326,00 € |
| ATUM 29XD5 SP.. 090408-32 | 29 | 32 | 44 | 232 | 145 | 172 | 60 | SP.. 090408 | 326,00 € |
| ATUM 30XD5 SP.. 090408 | 30 | 32 | 44 | 237 | 150 | 177 | 60 | SP.. 090408 | 306,00 € |
| ATUM 31XD5 SP.. 090408 | 31 | 32 | 44 | 242 | 155 | 182 | 60 | SP.. 090408 | 306,00 € |
| ATUM 32XD5 SP.. 090408 | 32 | 32 | 44 | 247 | 160 | 187 | 60 | SP.. 090408 | 306,00 € |
| ATUM 33XD5 SP.. 090408 | 33 | 32 | 44 | 252 | 165 | 192 | 60 | SP.. 090408 | 306,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SPGT.)*

**D2**




COMPATIPLE WITH ZCC INSERT
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

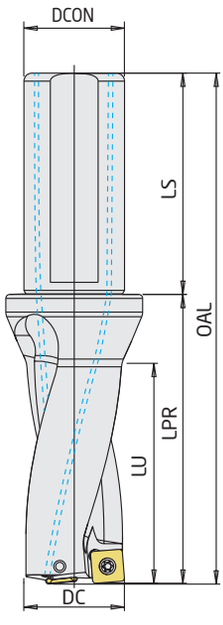
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 12.5XD2 SPGT 050204 | 12.5 | 20 | 25 | 96 | 24 | 46 | 50 | SPGT 050204 | 172,00 € |
| ATUM 13XD2 SPGT 050204 | 13 | 20 | 25 | 98 | 26 | 48 | 50 | SPGT 050204 | 172,00 € |
| ATUM 13.5XD2 SPGT 050204 | 13.5 | 20 | 25 | 98 | 26 | 48 | 50 | SPGT 050204 | 172,00 € |
| ATUM 14XD2 SPGT 050204 | 14 | 20 | 25 | 100 | 28 | 50 | 50 | SPGT 050204 | 172,00 € |
| ATUM 15XD2 SPGT 050204 | 15 | 20 | 25 | 102 | 30 | 52 | 50 | SPGT 050204 | 172,00 € |
| ATUM 16XD2 SPGT 060204 | 16 | 25 | 34 | 110 | 32 | 54 | 56 | SPGT 060204 | 172,00 € |
| ATUM 16.5XD2 SPGT 060204 | 16.5 | 25 | 34 | 110 | 32 | 54 | 56 | SPGT 060204 | 172,00 € |
| ATUM 17XD2 SPGT 060204 | 17 | 25 | 34 | 112 | 34 | 56 | 56 | SPGT 060204 | 172,00 € |
| ATUM 17.5XD2 SPGT 060204 | 17.5 | 25 | 34 | 112 | 34 | 56 | 56 | SPGT 060204 | 172,00 € |
| ATUM 18XD2 SPGT 060204 | 18 | 25 | 34 | 114 | 36 | 58 | 56 | SPGT 060204 | 172,00 € |
| ATUM 19XD2 SPGT 060204 | 19 | 25 | 34 | 116 | 38 | 60 | 56 | SPGT 060204 | 172,00 € |
| ATUM 20XD2 SPGT 060204 | 20 | 25 | 34 | 118 | 40 | 62 | 56 | SPGT 060204 | 184,00 € |
| ATUM 21XD2 SPGT 060204 | 21 | 25 | 34 | 120 | 42 | 64 | 56 | SPGT 060204 | 184,00 € |
| ATUM 22XD2 SPGT 07T308 | 22 | 25 | 34 | 122 | 44 | 66 | 56 | SPGT 07T308 | 184,00 € |
| ATUM 22.5XD2 SPGT 07T308 | 22.5 | 25 | 34 | 122 | 44 | 66 | 56 | SPGT 07T308 | 184,00 € |
| ATUM 23XD2 SPGT 07T308 | 23 | 25 | 34 | 124 | 46 | 68 | 56 | SPGT 07T308 | 184,00 € |
| ATUM 23.5XD2 SPGT 07T308 | 23.5 | 25 | 34 | 124 | 46 | 68 | 56 | SPGT 07T308 | 184,00 € |
| ATUM 24XD2 SPGT 07T308 | 24 | 25 | 34 | 126 | 48 | 70 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 24.5XD2 SPGT 07T308 | 24.5 | 25 | 34 | 126 | 48 | 70 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 25XD2 SPGT 07T308 | 25 | 25 | 34 | 128 | 50 | 72 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 26XD2 SPGT 07T308 | 26 | 25 | 34 | 130 | 52 | 74 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 28XD2 SPGT 090408 | 28 | 25 | 34 | 134 | 56 | 78 | 56 | SPGT 090408 | 192,00 € |
| ATUM 29XD2 SPGT 090408 | 29 | 25 | 34 | 136 | 58 | 80 | 56 | SPGT 090408 | 192,00 € |
| ATUM 30XD2 SPGT 090408 | 30 | 32 | 44 | 147 | 60 | 87 | 60 | SPGT 090408 | 204,00 € |
| ATUM 31XD2 SPGT 090408 | 31 | 32 | 44 | 149 | 62 | 89 | 60 | SPGT 090408 | 204,00 € |
| ATUM 32XD2 SPGT 090408 | 32 | 32 | 44 | 151 | 64 | 91 | 60 | SPGT 090408 | 204,00 € |
| ATUM 35XD2 SPGT 110408 | 35 | 32 | 44 | 157 | 70 | 97 | 60 | SPGT 110408 | 204,00 € |
| ATUM 36XD2 SPGT 110408 | 36 | 32 | 44 | 159 | 72 | 99 | 60 | SPGT 110408 | 204,00 € |
| ATUM 40XD2 SPGT 110408 | 40 | 32 | 44 | 167 | 80 | 107 | 60 | SPGT 110408 | 204,00 € |

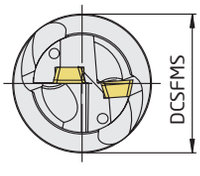


Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 13XD5 SP.. 050204

## U-DRILL SYSTEM / *VOLLBOHRER (SPGT.)*

**D3**




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 12.5XD3 SPGT 050204 | 12,5 | 20 | 25 | 108 | 36 | 58 | 50 | SPGT 050204 | 184,00 € |
| ATUM 13XD3 SPGT 050204 | 13 | 20 | 25 | 111 | 39 | 61 | 50 | SPGT 050204 | 184,00 € |
| ATUM 13.5XD3 SPGT 050204 | 13,5 | 20 | 25 | 111 | 39 | 61 | 50 | SPGT 050204 | 184,00 € |
| ATUM 14XD3 SPGT 050204 | 14 | 20 | 25 | 114 | 42 | 64 | 50 | SPGT 050204 | 184,00 € |
| ATUM 14.5XD3 SPGT 050204 | 14,5 | 20 | 25 | 114 | 42 | 64 | 50 | SPGT 050204 | 184,00 € |
| ATUM 15XD3 SPGT 050204 | 15 | 20 | 25 | 117 | 45 | 67 | 50 | SPGT 050204 | 184,00 € |
| ATUM 15.5XD3 SPGT 060204 | 15,5 | 20 | 25 | 117 | 45 | 67 | 50 | SPGT 060204 | 184,00 € |
| ATUM 16XD3 SPGT 060204 | 16 | 25 | 34 | 126 | 48 | 70 | 56 | SPGT 060204 | 184,00 € |
| ATUM 16.5XD3 SPGT 060204 | 16,5 | 25 | 34 | 126 | 48 | 70 | 56 | SPGT 060204 | 184,00 € |
| ATUM 17XD3 SPGT 060204 | 17 | 25 | 34 | 129 | 51 | 73 | 56 | SPGT 060204 | 184,00 € |
| ATUM 17.5XD3 SPGT 060204 | 17,5 | 25 | 34 | 129 | 51 | 73 | 56 | SPGT 060204 | 184,00 € |
| ATUM 18XD3 SPGT 060204 | 18 | 25 | 34 | 132 | 54 | 76 | 56 | SPGT 060204 | 184,00 € |
| ATUM 18.5XD3 SPGT 060204 | 18,5 | 25 | 34 | 132 | 54 | 76 | 56 | SPGT 060204 | 184,00 € |
| ATUM 19XD3 SPGT 060204 | 19 | 25 | 34 | 135 | 57 | 79 | 56 | SPGT 060204 | 184,00 € |
| ATUM 19.5XD3 SPGT 060204 | 19,5 | 25 | 34 | 135 | 57 | 79 | 56 | SPGT 060204 | 184,00 € |
| ATUM 20XD3 SPGT 060204 | 20 | 25 | 34 | 138 | 60 | 82 | 56 | SPGT 060204 | 192,00 € |
| ATUM 20.5XD3 SPGT 060204 | 20,5 | 25 | 34 | 138 | 60 | 82 | 56 | SPGT 060204 | 192,00 € |
| ATUM 21XD3 SPGT 060204 | 21 | 25 | 34 | 141 | 63 | 85 | 56 | SPGT 060204 | 192,00 € |
| ATUM 21.5XD3 SPGT 060204 | 21,5 | 25 | 34 | 141 | 63 | 85 | 56 | SPGT 060204 | 192,00 € |
| ATUM 22XD3 SPGT 07T308 | 22 | 25 | 34 | 144 | 66 | 88 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 22.5XD3 SPGT 07T308 | 22,5 | 25 | 34 | 144 | 66 | 88 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 23XD3 SPGT 07T308 | 23 | 25 | 34 | 147 | 69 | 91 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 23.5XD3 SPGT 07T308 | 23,5 | 25 | 34 | 147 | 69 | 91 | 56 | SPGT 07T308 | 192,00 € |
| ATUM 24XD3 SPGT 07T308 | 24 | 25 | 34 | 150 | 72 | 94 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 24.5XD3 SPGT 07T308 | 24,5 | 25 | 34 | 150 | 72 | 94 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 25XD3 SPGT 07T308 | 25 | 25 | 34 | 153 | 75 | 97 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 25.5XD3 SPGT 07T308 | 25,5 | 25 | 34 | 153 | 75 | 97 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 26XD3 SPGT 07T308 | 26 | 25 | 34 | 156 | 78 | 100 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 26.5XD3 SPGT 07T308 | 26,5 | 25 | 34 | 156 | 78 | 100 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 27XD3 SPGT 07T308 | 27 | 25 | 34 | 159 | 81 | 103 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 27.5XD3 SPGT 07T308 | 27,5 | 25 | 34 | 159 | 81 | 103 | 56 | SPGT 07T308 | 198,00 € |
| ATUM 28XD3 SPGT 090408 | 28 | 25 | 34 | 162 | 84 | 106 | 56 | SPGT 090408 | 198,00 € |
| ATUM 28.5XD3 SPGT 090408 | 28,5 | 25 | 34 | 162 | 84 | 106 | 56 | SPGT 090408 | 198,00 € |
| ATUM 29XD3 SPGT 090408 | 29 | 25 | 34 | 165 | 87 | 109 | 56 | SPGT 090408 | 198,00 € |
| ATUM 29.5XD3 SPGT 090408 | 29,5 | 25 | 34 | 165 | 87 | 109 | 56 | SPGT 090408 | 198,00 € |
| ATUM 30XD3 SPGT 090408 | 30 | 32 | 44 | 177 | 90 | 117 | 60 | SPGT 090408 | 204,00 € |
| ATUM 31XD3 SPGT 090408 | 31 | 32 | 44 | 180 | 93 | 120 | 60 | SPGT 090408 | 204,00 € |
| ATUM 32XD3 SPGT 090408 | 32 | 32 | 44 | 183 | 96 | 123 | 60 | SPGT 090408 | 204,00 € |
| ATUM 33XD3 SPGT 090408 | 33 | 32 | 44 | 186 | 99 | 126 | 60 | SPGT 090408 | 204,00 € |
| ATUM 34XD3 SPGT 110408 | 34 | 32 | 44 | 189 | 102 | 129 | 60 | SPGT 110408 | 204,00 € |
| ATUM 35XD3 SPGT 110408 | 35 | 32 | 44 | 192 | 105 | 132 | 60 | SPGT 110408 | 204,00 € |
| ATUM 36XD3 SPGT 110408 | 36 | 32 | 44 | 195 | 108 | 135 | 60 | SPGT 110408 | 204,00 € |
| ATUM 36.5XD3 SPGT 110408 | 36.5 | 32 | 44 | 195 | 110 | 135 | 60 | SPGT 110408 | 204,00 € |
| ATUM 37XD3 SPGT 110408 | 37 | 32 | 44 | 198 | 111 | 138 | 60 | SPGT 110408 | 204,00 € |
| ATUM 38XD3 SPGT 110408 | 38 | 32 | 44 | 201 | 114 | 141 | 60 | SPGT 110408 | 204,00 € |
| ATUM 39XD3 SPGT 110408 | 39 | 32 | 44 | 204 | 117 | 144 | 60 | SPGT 110408 | 204,00 € |
| ATUM 40XD3 SPGT 110408 | 40 | 32 | 44 | 207 | 120 | 147 | 60 | SPGT 110408 | 204,00 € |
| ATUM 42XD3 SPGT 140512 | 42 | 32 | 44 | 213 | 126 | 153 | 60 | SPGT 140512 | 225,00 € |
| ATUM 43XD3 SPGT 140512 | 43 | 32 | 44 | 216 | 129 | 156 | 60 | SPGT 140512 | 225,00 € |
| ATUM 44XD3 SPGT 140512 | 44 | 32 | 44 | 219 | 132 | 159 | 60 | SPGT 140512 | 225,00 € |
| ATUM 49XD3 SPGT 140512 | 49 | 40 | 54 | 249 | 147 | 179 | 70 | SPGT 140512 | 290,00 € |
| ATUM 50XD3 SPGT 140512 | 50 | 40 | 54 | 252 | 150 | 182 | 70 | SPGT 140512 | 316,00 € |

**COMPATIPLE WITH ZCC INSERT**
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

## U-DRILL SYSTEM / *VOLLBOHRER (SPGT.)*

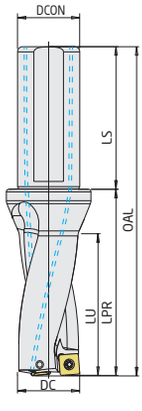
**D4**

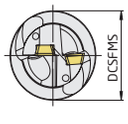
COMPATIPLE WITH ZCC INSERT
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 13XD4 SPGT 050204 | 13 | 20 | 25 | 124 | 52 | 74 | 50 | SPGT 050204 | 280,00 € |
| ATUM 14XD4 SPGT 050204 | 14 | 20 | 25 | 128 | 56 | 78 | 50 | SPGT 050204 | 280,00 € |
| ATUM 14.5XD4 SPGT 050204 | 14.5 | 20 | 25 | 128 | 58 | 78 | 50 | SPGT 050204 | 303,00 € |
| ATUM 15XD4 SPGT 050204 | 15 | 20 | 25 | 132 | 60 | 82 | 50 | SPGT 050204 | 280,00 € |
| ATUM 16XD4 SPGT 060204 | 16 | 25 | 34 | 142 | 64 | 86 | 56 | SPGT 060204 | 280,00 € |
| ATUM 17XD4 SPGT 060204 | 17 | 25 | 34 | 146 | 68 | 90 | 56 | SPGT 060204 | 280,00 € |
| ATUM 17.5XD4 SPGT 060204 | 17.5 | 25 | 34 | 146 | 68 | 90 | 56 | SPGT 060204 | 280,00 € |
| ATUM 18XD4 SPGT 060204 | 18 | 25 | 34 | 150 | 72 | 94 | 56 | SPGT 060204 | 280,00 € |
| ATUM 19XD4 SPGT 060204 | 19 | 25 | 34 | 154 | 76 | 98 | 56 | SPGT 060204 | 280,00 € |
| ATUM 19.5XD4 SPGT 060204 | 19.5 | 25 | 34 | 154 | 76 | 98 | 56 | SPGT 060204 | 280,00 € |
| ATUM 20XD4 SPGT 060204 | 20 | 25 | 34 | 158 | 80 | 102 | 56 | SPGT 060204 | 292,00 € |
| ATUM 21XD4 SPGT 060204 | 21 | 25 | 34 | 162 | 84 | 106 | 56 | SPGT 060204 | 292,00 € |
| ATUM 22XD4 SPGT 07T308 | 22 | 25 | 34 | 166 | 88 | 110 | 56 | SPGT 07T308 | 292,00 € |
| ATUM 23XD4 SPGT 07T308 | 23 | 25 | 34 | 170 | 92 | 114 | 56 | SPGT 07T308 | 292,00 € |
| ATUM 23.5XD4 SPGT 07T308 | 23.5 | 25 | 34 | 170 | 92 | 114 | 56 | SPGT 07T308 | 292,00 € |
| ATUM 24XD4 SPGT 07T308 | 24 | 25 | 34 | 174 | 96 | 118 | 56 | SPGT 07T308 | 305,00 € |
| ATUM 25XD4 SPGT 07T308 | 25 | 25 | 34 | 178 | 100 | 122 | 56 | SPGT 07T308 | 305,00 € |
| ATUM 26XD4 SPGT 07T308 | 26 | 25 | 34 | 182 | 104 | 126 | 56 | SPGT 07T308 | 305,00 € |
| ATUM 27.5XD4 SPGT 07T308 | 27.5 | 25 | 34 | 186 | 108 | 130 | 56 | SPGT 07T308 | 305,00 € |
| ATUM 28XD4 SPGT 090408 | 28 | 25 | 34 | 190 | 112 | 134 | 56 | SPGT 090408 | 305,00 € |
| ATUM 29XD4 SPGT 090408 | 29 | 25 | 34 | 194 | 116 | 138 | 56 | SPGT 090408 | 305,00 € |
| ATUM 30XD4 SPGT 090408 | 30 | 32 | 44 | 207 | 120 | 147 | 60 | SPGT 090408 | 317,00 € |
| ATUM 31XD4 SPGT 090408 | 31 | 32 | 44 | 211 | 124 | 151 | 60 | SPGT 090408 | 343,00 € |
| ATUM 32XD4 SPGT 090408 | 32 | 32 | 44 | 215 | 128 | 155 | 60 | SPGT 090408 | 343,00 € |
| ATUM 33.5XD4 SPGT 090408 | 33.5 | 32 | 44 | 219 | 132 | 159 | 60 | SPGT 090408 | 317,00 € |
| ATUM 38XD4 SPGT 110408 | 38 | 32 | 44 | 239 | 152 | 179 | 60 | SPGT 110408 | 317,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SOMX - SOMT.)*

**D3**




COMPATIPLE WITH ISCR INSERT
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 14XD3 SO.. 050204 | 14 | 20 | 25 | 114 | 42 | 64 | 50 | SO.. 050304 | 184,00 € |
| ATUM 15XD3 SO.. 050204 | 15 | 20 | 25 | 117 | 45 | 67 | 50 | SO.. 050304 | 184,00 € |
| ATUM 16XD3 SO.. 050204 | 16 | 25 | 34 | 126 | 48 | 70 | 56 | SO.. 050304 | 184,00 € |
| ATUM 16.5XD3 SO.. 050204 | 16.5 | 25 | 34 | 126 | 48 | 70 | 56 | SO.. 050304 | 184,00 € |
| ATUM 17XD3 SO.. 050204 | 17 | 25 | 34 | 129 | 51 | 73 | 56 | SO.. 050304 | 184,00 € |
| ATUM 17.5XD3 SO.. 050204 | 17.5 | 25 | 34 | 129 | 51 | 73 | 56 | SO.. 050304 | 184,00 € |
| ATUM 18XD3 SO.. 060304 | 18 | 25 | 34 | 132 | 54 | 76 | 56 | SO.. 060304 | 184,00 € |
| ATUM 19XD3 SO.. 060304 | 19 | 25 | 34 | 135 | 57 | 79 | 56 | SO.. 060304 | 18400 € |
| ATUM 20XD3 SO.. 060304 | 20 | 25 | 34 | 138 | 60 | 82 | 56 | SO.. 060304 | 192,00 € |
| ATUM 21XD3 SO.. 070305 | 21 | 25 | 34 | 140 | 64 | 84 | 56 | SO.. 07T308 | 192,00 € |
| ATUM 22XD3 SO.. 070305 | 22 | 25 | 34 | 144 | 66 | 88 | 56 | SO.. 07T308 | 192,00 € |
| ATUM 22.5XD3 SO.. 070305 | 22.5 | 25 | 34 | 144 | 66 | 88 | 56 | SO.. 07T308 | 192,00 € |
| ATUM 23XD3 SO.. 070305 | 23 | 25 | 34 | 147 | 69 | 91 | 56 | SO.. 07T308 | 192,00 € |
| ATUM 24XD3 SO.. 070305 | 24 | 25 | 34 | 150 | 72 | 94 | 56 | SO.. 07T308 | 198,00 € |
| ATUM 25XD3 SO.. 09T306 | 25 | 25 | 34 | 153 | 75 | 97 | 56 | SO.. 090408 | 198,00 € |
| ATUM 26XD3 SO.. 09T306 | 26 | 25 | 34 | 156 | 78 | 100 | 56 | SO.. 090408 | 198,00 € |
| ATUM 27XD3 SO.. 09T306 | 27 | 25 | 34 | 159 | 81 | 103 | 56 | SO.. 090408 | 198,00 € |
| ATUM 29XD3 SO.. 09T306 | 29 | 25 | 34 | 165 | 87 | 109 | 56 | SO.. 090408 | 198,00 € |
| ATUM 30XD3 SO.. 09T306 | 30 | 32 | 44 | 177 | 90 | 117 | 60 | SO.. 090408 | 204,00 € |
| ATUM 31XD3 SO.. 09T306 | 31 | 32 | 44 | 180 | 93 | 120 | 60 | SO.. 090408 | 204,00 € |
| ATUM 33XD3 SO.. 09T306 | 33 | 32 | 44 | 186 | 99 | 126 | 60 | SO.. 090408 | 204,00 € |
| ATUM 35XD3 SO.. 120408 | 35 | 32 | 44 | 192 | 105 | 132 | 60 | SO.. 120408 | 204,00 € |
| ATUM 36XD3 SO.. 120408 | 36 | 32 | 44 | 195 | 108 | 135 | 60 | SO.. 120408 | 204,00 € |
| ATUM 37XD3 SO.. 120408 | 37 | 32 | 44 | 198 | 111 | 138 | 60 | SO.. 120408 | 204,00 € |
| ATUM 38XD3 SO.. 120408 | 38 | 32 | 44 | 201 | 114 | 141 | 60 | SO.. 120408 | 204,00 € |
| ATUM 39XD3 SO.. 120408 | 39 | 32 | 44 | 204 | 117 | 144 | 60 | SO.. 120408 | 204,00 € |
| ATUM 40XD3 SO.. 120408 | 40 | 32 | 44 | 207 | 120 | 147 | 60 | SO.. 120408 | 204,00 € |
| ATUM 43XD3 SO.. 120408 | 43 | 32 | 44 | 216 | 129 | 156 | 60 | SO.. 120408 | 226,00 € |

User's Guide For U-Drills : P 166 / *Bedienungsanleitung für U-Bohrer: S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 13XD4 SPGT 050204

## U-DRILL SYSTEM / *VOLLBOHRER (SOMX - SOMT.)*

D4

COMPATIPLE WITH ISCR INSERT
*KOMPATIBEL FÜR ISCR WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 14XD4 SO.. 050204 | 14 | 20 | 25 | 128 | 56 | 78 | 50 | SO.. 050204 | 280,00 € |
| ATUM 14.5XD4 SO.. 050204 | 14.5 | 20 | 25 | 128 | 56 | 78 | 50 | SO.. 050204 | 280,00 € |
| ATUM 15XD4 SO.. 050204 | 15 | 20 | 25 | 132 | 60 | 82 | 50 | SO.. 050204 | 280,00 € |
| ATUM 15.5XD4 SO.. 050204 | 15.5 | 20 | 25 | 132 | 60 | 82 | 50 | SO.. 050204 | 280,00 € |
| ATUM 17XD4 SO.. 050204 | 17 | 25 | 34 | 146 | 68 | 90 | 56 | SO.. 050204 | 280,00 € |
| ATUM 19XD4 SO.. 060304 | 19 | 25 | 34 | 154 | 76 | 98 | 56 | SO.. 060304 | 280,00 € |
| ATUM 19.5XD4 SO.. 060304 | 19.5 | 25 | 34 | 154 | 76 | 98 | 56 | SO.. 060304 | 280,00 € |
| ATUM 20XD4 SO.. 060304 | 20 | 25 | 34 | 158 | 80 | 102 | 56 | SO.. 060304 | 292,00 € |
| ATUM 21XD4 SO.. 070305 | 21 | 25 | 34 | 162 | 84 | 106 | 56 | SO.. 070305 | 292,00 € |
| ATUM 22XD4 SO.. 070305 | 22 | 25 | 34 | 166 | 88 | 110 | 56 | SO.. 070305 | 292,00 € |
| ATUM 22.5XD4 SO.. 070305 | 22.5 | 25 | 34 | 166 | 88 | 110 | 56 | SO.. 070305 | 292,00 € |
| ATUM 23XD4 SO.. 070305 | 23 | 25 | 34 | 170 | 92 | 114 | 56 | SO.. 070305 | 292,00 € |
| ATUM 24XD4 SO.. 070305 | 24 | 25 | 34 | 174 | 96 | 118 | 56 | SO.. 070305 | 305,00 € |
| ATUM 25XD4 SO.. 09T306 | 25 | 25 | 34 | 178 | 100 | 122 | 56 | SO.. 09T306 | 305,00 € |
| ATUM 27XD4 SO.. 09T306 | 27 | 25 | 34 | 186 | 108 | 130 | 56 | SO.. 09T306 | 305,00 € |
| ATUM 28XD4 SO.. 09T306 | 28 | 25 | 34 | 190 | 112 | 134 | 56 | SO.. 09T306 | 305,00 € |
| ATUM 29XD4 SO.. 09T306 | 29 | 25 | 34 | 194 | 116 | 138 | 56 | SO.. 09T306 | 305,00 € |
| ATUM 30XD4 SO.. 09T306 | 30 | 32 | 44 | 207 | 120 | 147 | 60 | SO.. 09T306 | 317,00 € |
| ATUM 31XD4 SO.. 09T306 | 31 | 32 | 44 | 211 | 124 | 151 | 60 | SO.. 09T306 | 317,00 € |
| ATUM 33XD4 SO.. 09T306 | 33 | 32 | 44 | 219 | 132 | 159 | 60 | SO.. 09T306 | 317,00 € |
| ATUM 34XD4 SO.. 09T306 | 34 | 32 | 44 | 223 | 136 | 163 | 60 | SO.. 09T306 | 317,00 € |
| ATUM 35XD4 SO.. 120408 | 35 | 32 | 44 | 227 | 140 | 167 | 60 | SO.. 120408 | 317,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SPMT - XOMT.)*

D2

COMPATIPLE WITH KRLY INSERT
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 14XD2 KDR 0502.. | 14 | 20 | 25 | 100 | 28 | 50 | 50 | SPMT 050204-XOMT 050204 | 172,00 € |
| ATUM 18XD2 KDR 0602.. | 18 | 25 | 34 | 114 | 36 | 58 | 56 | SPMT 060205-XOMT 060204 | 172,00 € |
| ATUM 20XD2 KDR 07T2.. | 20 | 25 | 34 | 118 | 40 | 62 | 56 | SPMT 07T208-XOMT 07T205 | 184,00 € |
| ATUM 22XD2 KDR 07T2.. | 22 | 25 | 34 | 122 | 44 | 66 | 56 | SPMT 07T208-XOMT 07T205 | 184,00 € |
| ATUM 24XD2 KDR 0903.. | 24 | 25 | 34 | 126 | 48 | 70 | 56 | SPMT 090308-XOMT 090305 | 192,00 € |
| ATUM 25XD2 KDR 0903.. | 25 | 25 | 34 | 128 | 50 | 72 | 56 | SPMT 090308-XOMT 090305 | 192,00 € |
| ATUM 26XD2 KDR 0903.. | 26 | 25 | 34 | 130 | 52 | 74 | 56 | SPMT 090308-XOMT 090305 | 192,00 € |
| ATUM 28XD2 KDR 0903.. | 28 | 25 | 34 | 134 | 56 | 78 | 56 | SPMT 090308-XOMT 090305 | 192,00 € |
| ATUM 30XD2 KDR 11T3.. | 30 | 25 | 34 | 147 | 60 | 87 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 32XD2 KDR 11T3.. | 32 | 32 | 44 | 151 | 64 | 91 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 34XD2 KDR 11T3.. | 34 | 32 | 44 | 155 | 68 | 95 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 36XD2 KDR 1304.. | 36 | 32 | 44 | 159 | 72 | 99 | 60 | SPMT 13T410-XOMT 13T406 | 204,00 € |
| ATUM 37XD2 KDR 1304.. | 37 | 32 | 44 | 161 | 74 | 101 | 60 | SPMT 13T410-XOMT 13T406 | 204,00 € |
| ATUM 38XD2 KDR 1304.. | 38 | 32 | 44 | 163 | 76 | 103 | 60 | SPMT 13T410-XOMT 13T406 | 204,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SPGT.)*

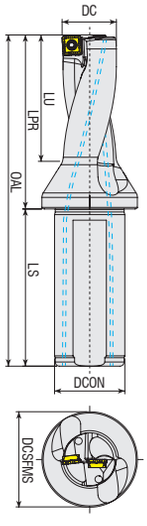
D5

COMPATIPLE WITH ZCC INSERT
*KOMPATIBEL FÜR ZCC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 22XD5 SPGT 07T308 | 22 | 25 | 34 | 188 | 110 | 132 | 56 | SPGT 07T308 | 286,00 € |
| ATUM 26XD5 SPGT 07T308-32 | 26 | 32 | 44 | 217 | 130 | 157 | 60 | SPGT 07T308 | 326,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SOMX)*

**D2**

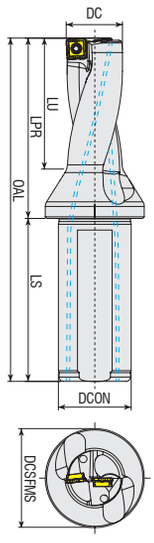



COMPATIPLE WITH MTSBH INSERT
*KOMPATIBEL FÜR MTSBH WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 14XD2 SO.. 052704 | 14 | 20 | 25 | 100 | 28 | 50 | 50 | SOMX 052704 | 189,00 € |
| ATUM 15XD2 SO.. 052704 | 15 | 20 | 25 | 102 | 30 | 52 | 50 | SOMX 052704 | 189,00 € |
| ATUM 16XD2 SO.. 052704 | 16 | 25 | 34 | 110 | 32 | 54 | 56 | SOMX 052704 | 189,00 € |
| ATUM 17XD2 SO.. 063005 | 17 | 25 | 34 | 112 | 34 | 56 | 56 | SOMX 063005 | 189,00 € |
| ATUM 18XD2 SO.. 063005 | 18 | 25 | 34 | 114 | 36 | 58 | 56 | SOMX 063005 | 189,00 € |
| ATUM 19XD2 SO.. 063005 | 19 | 25 | 34 | 116 | 38 | 60 | 56 | SOMX 063005 | 189,00 € |
| ATUM 20XD2 SO.. 073505 | 20 | 25 | 34 | 118 | 40 | 62 | 56 | SOMX 073505 | 202,00 € |
| ATUM 21XD2 SO.. 073505 | 21 | 25 | 34 | 120 | 42 | 64 | 56 | SOMX 073505 | 202,00 € |
| ATUM 22XD2 SO.. 073505 | 22 | 25 | 34 | 122 | 44 | 66 | 56 | SOMX 073505 | 202,00 € |
| ATUM 23XD2 SO.. 084005 | 23 | 25 | 34 | 124 | 46 | 68 | 56 | SOMX 084005 | 202,00 € |
| ATUM 24XD2 SO.. 084005 | 24 | 25 | 34 | 126 | 48 | 70 | 56 | SOMX 084005 | 211,00 € |
| ATUM 25XD2 SO.. 084005 | 25 | 25 | 34 | 128 | 50 | 72 | 56 | SOMX 084005 | 211,00 € |
| ATUM 26XD2 SO.. 084005 | 26 | 25 | 34 | 130 | 52 | 74 | 56 | SOMX 084005 | 211,00 € |
| ATUM 28XD2 SO.. 094506 | 28 | 25 | 34 | 134 | 56 | 78 | 56 | SOMX 094506 | 211,00 € |
| ATUM 30XD2 SO.. 094506 | 30 | 32 | 44 | 147 | 60 | 87 | 60 | SOMX 094506 | 224,00 € |

## U-DRILL SYSTEM / *VOLLBOHRER (SOMX)*

**D3**



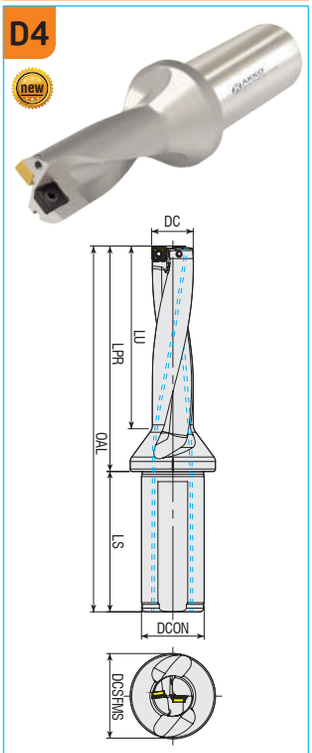

COMPATIPLE WITH MTSBH INSERT
*KOMPATIBEL FÜR MTSBH WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 14XD3 SO.. 052704 | 14 | 20 | 25 | 114 | 42 | 64 | 50 | SOMX 052704 | 202,00 € |
| ATUM 14.5XD3 SO.. 052704 | 14.5 | 20 | 25 | 114 | 43.5 | 64 | 50 | SOMX 052704 | 202,00 € |
| ATUM 15XD3 SO.. 052704 | 15 | 20 | 25 | 117 | 45 | 67 | 50 | SOMX 052704 | 202,00 € |
| ATUM 15.5XD3 SO.. 052704 | 16.5 | 25 | 34 | 126 | 49.5 | 70 | 56 | SOMX 052704 | 202,00 € |
| ATUM 16XD3 SO.. 052704 | 16 | 25 | 34 | 126 | 48 | 70 | 56 | SOMX 052704 | 202,00 € |
| ATUM 16.5XD3 SO.. 052704 | 16.5 | 25 | 34 | 126 | 49.5 | 70 | 56 | SOMX 052704 | 202,00 € |
| ATUM 17XD3 SO.. 063005 | 17 | 25 | 34 | 129 | 51 | 73 | 56 | SOMX 052704 | 202,00 € |
| ATUM 17.5XD3 SO.. 063005 | 17.5 | 25 | 34 | 129 | 52.5 | 73 | 56 | SOMX 063005 | 202,00 € |
| ATUM 18XD3 SO.. 063005 | 18 | 25 | 34 | 132 | 54 | 76 | 56 | SOMX 063005 | 202,00 € |
| ATUM 18.5XD3 SO.. 063005 | 18.5 | 25 | 34 | 132 | 55.5 | 76 | 56 | SOMX 063005 | 202,00 € |
| ATUM 19XD3 SO.. 063005 | 19 | 25 | 34 | 135 | 57 | 79 | 56 | SOMX 063005 | 202,00 € |
| ATUM 19.5XD3 SO.. 063005 | 19.5 | 25 | 34 | 135 | 58.5 | 79 | 56 | SOMX 063005 | 202,00 € |
| ATUM 20XD3 SO.. 073505 | 20 | 25 | 34 | 138 | 60 | 82 | 56 | SOMX 073505 | 211,00 € |
| ATUM 20.5XD3 SO.. 073505 | 20.5 | 25 | 34 | 138 | 61.5 | 82 | 56 | SOMX 073505 | 211,00 € |
| ATUM 21XD3 SO.. 073505 | 21 | 25 | 34 | 141 | 63 | 85 | 56 | SOMX 073505 | 211,00 € |
| ATUM 21.5XD3 SO.. 073505 | 21.5 | 25 | 34 | 141 | 64.5 | 85 | 56 | SOMX 073505 | 211,00 € |
| ATUM 22XD3 SO.. 073505 | 22 | 25 | 34 | 144 | 66 | 88 | 56 | SOMX 073505 | 211,00 € |
| ATUM 22.5XD3 SO.. 073505 | 22.5 | 25 | 34 | 144 | 67.5 | 88 | 56 | SOMX 073505 | 211,00 € |
| ATUM 23XD3 SO.. 084005 | 23 | 25 | 34 | 147 | 69 | 91 | 56 | SOMX 084005 | 211,00 € |
| ATUM 23.5XD3 SO.. 084005 | 23.5 | 25 | 34 | 147 | 70.5 | 91 | 56 | SOMX 084005 | 211,00 € |
| ATUM 24XD3 SO.. 084005 | 24 | 25 | 34 | 150 | 72 | 94 | 56 | SOMX 084005 | 219,00 € |
| ATUM 24.5XD3 SO.. 084005 | 24.5 | 25 | 34 | 150 | 73.5 | 94 | 56 | SOMX 084005 | 219,00 € |
| ATUM 25XD3 SO.. 084005 | 25 | 25 | 34 | 153 | 75 | 97 | 56 | SOMX 084005 | 219,00 € |
| ATUM 26XD3 SO.. 084005 | 26 | 25 | 34 | 156 | 78 | 100 | 56 | SOMX 084005 | 219,00 € |
| ATUM 27XD3 SO.. 084005 | 27 | 25 | 34 | 159 | 81 | 103 | 56 | SOMX 084005 | 219,00 € |
| ATUM 28XD3 SO.. 094506 | 28 | 25 | 34 | 162 | 84 | 106 | 56 | SOMX 094506 | 219,00 € |
| ATUM 29XD3 SO.. 094506 | 29 | 25 | 34 | 165 | 87 | 109 | 56 | SOMX 094506 | 219,00 € |
| ATUM 30XD3 SO.. 094506 | 30 | 32 | 44 | 177 | 90 | 117 | 60 | SOMX 094506 | 224,00 € |
| ATUM 32XD3 SO.. 094506 | 32 | 32 | 44 | 183 | 96 | 123 | 60 | SOMX 094506 | 243,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 14XD2 SO.. 052704

## U-DRILL SYSTEM / *VOLLBOHRER (SOMX)*

**D4**



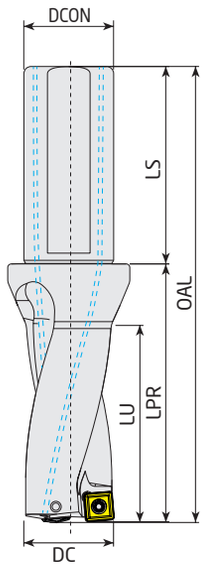

**COMPATIPLE WITH MTSBH INSERT**
*KOMPATIBEL FÜR MTSBH WENDESCHNEIDPLATTEN*

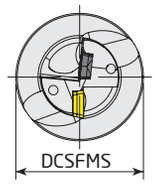
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 14XD4 SO.. 052704 | 14 | 20 | 25 | 128 | 56 | 78 | 50 | SOMX 052704 | 333,00 € |
| ATUM 15XD4 SO.. 052704 | 15 | 20 | 25 | 132 | 60 | 82 | 50 | SOMX 052704 | 333,00 € |
| ATUM 16XD4 SO.. 052704 | 16 | 25 | 34 | 142 | 64 | 86 | 56 | SOMX 052704 | 333,00 € |
| ATUM 17XD4 SO.. 063005 | 17 | 25 | 34 | 146 | 68 | 90 | 56 | SOMX 063005 | 333,00 € |
| ATUM 18XD4 SO.. 063005 | 18 | 25 | 34 | 150 | 72 | 94 | 56 | SOMX 063005 | 333,00 € |
| ATUM 19XD4 SO.. 063005 | 19 | 25 | 34 | 154 | 76 | 98 | 56 | SOMX 063005 | 333,00 € |
| ATUM 20XD4 SO.. 073505 | 20 | 25 | 34 | 158 | 80 | 102 | 56 | SOMX 073505 | 348,00 € |
| ATUM 21XD4 SO.. 073505 | 21 | 25 | 34 | 162 | 84 | 106 | 56 | SOMX 073505 | 348,00 € |
| ATUM 22XD4 SO.. 073505 | 22 | 25 | 34 | 166 | 88 | 110 | 56 | SOMX 073505 | 348,00 € |
| ATUM 23XD4 SO.. 084005 | 23 | 25 | 34 | 170 | 92 | 114 | 56 | SOMX 084005 | 363,00 € |
| ATUM 24XD4 SO.. 084005 | 24 | 25 | 34 | 174 | 96 | 118 | 56 | SOMX 084005 | 363,00 € |
| ATUM 25XD4 SO.. 084005 | 25 | 25 | 34 | 178 | 100 | 122 | 56 | SOMX 084005 | 363,00 € |
| ATUM 26XD4 SO.. 084005 | 26 | 25 | 34 | 182 | 104 | 126 | 56 | SOMX 084005 | 363,00 € |
| ATUM 28XD4 SO.. 094506 | 28 | 25 | 34 | 190 | 112 | 134 | 56 | SOMX 094506 | 363,00 € |
| ATUM 30XD4 SO.. 094506 | 30 | 32 | 44 | 207 | 120 | 147 | 60 | SOMX 094506 | 377,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 14XD2 SO.. 052704

## U-DRILL SYSTEM / *VOLLBOHRER (SPMT - XOMT.)*

**D3**




**COMPATIPLE WITH KRLY INSERT**
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 12.5XD3 KDR 0402.. | 12.5 | 20 | 25 | 108 | 36 | 58 | 50 | SPMT 040204-XOMT 040204 | 184,00 € |
| ATUM 13XD3 KDR 0402.. | 13 | 20 | 25 | 111 | 39 | 61 | 50 | SPMT 040204-XOMT 040204 | 184,00 € |
| ATUM 14XD3 KDR 0502.. | 14 | 20 | 25 | 114 | 42 | 64 | 50 | SPMT 050204-XOMT 050204 | 184,00 € |
| ATUM 14.5XD3 KDR 0502.. | 14.5 | 20 | 25 | 114 | 42 | 64 | 50 | SPMT 050204-XOMT 050204 | 184,00 € |
| ATUM 15XD3 KDR 0502.. | 15 | 20 | 25 | 117 | 45 | 67 | 50 | SPMT 050204-XOMT 050204 | 184,00 € |
| ATUM 15.5XD3 KDR 0502.. | 15.5 | 20 | 25 | 117 | 45 | 67 | 50 | SPMT 050204-XOMT 050204 | 184,00 € |
| ATUM 16XD3 KDR 0502.. | 16 | 25 | 34 | 126 | 48 | 70 | 56 | SPMT 050204-XOMT 050204 | 184,00 € |
| ATUM 16.5XD3 KDR 0602.. | 16.5 | 25 | 34 | 126 | 48 | 70 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 17XD3 KDR 0602.. | 17 | 25 | 34 | 129 | 51 | 73 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 17.5XD3 KDR 0602.. | 17.5 | 25 | 34 | 129 | 51 | 73 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 18XD3 KDR 0602.. | 18 | 25 | 34 | 132 | 54 | 76 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 18.5XD3 KDR 0602.. | 18.5 | 25 | 34 | 132 | 54 | 76 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 19XD3 KDR 0602.. | 19 | 25 | 34 | 135 | 57 | 79 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 19.5XD3 KDR 0602.. | 19.5 | 25 | 34 | 135 | 57 | 79 | 56 | SPMT 060205-XOMT 060204 | 184,00 € |
| ATUM 20XD3 KDR 07T2.. | 20 | 25 | 34 | 138 | 60 | 82 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 20.5XD3 KDR 07T2.. | 20.5 | 25 | 34 | 138 | 60 | 82 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 21XD3 KDR 07T2.. | 21 | 25 | 34 | 141 | 63 | 85 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 22XD3 KDR 07T2.. | 22 | 25 | 34 | 144 | 66 | 88 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 22.5XD3 KDR 07T2.. | 22.5 | 25 | 34 | 144 | 68 | 55 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 23XD3 KDR 07T2.. | 23 | 25 | 34 | 147 | 69 | 91 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 23.5XD3 KDR 07T2.. | 23.5 | 25 | 34 | 147 | 69 | 91 | 56 | SPMT 07T208-XOMT 07T205 | 192,00 € |
| ATUM 24XD3 KDR 0903.. | 24 | 25 | 34 | 150 | 72 | 94 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 24.5XD3 KDR 0903.. | 24.5 | 25 | 34 | 150 | 72 | 94 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 25XD3 KDR 0903.. | 25 | 25 | 34 | 153 | 75 | 97 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 26XD3 KDR 0903.. | 26 | 25 | 34 | 156 | 78 | 100 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 27XD3 KDR 0903.. | 27 | 25 | 34 | 159 | 81 | 103 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 28XD3 KDR 0903.. | 28 | 25 | 34 | 162 | 84 | 106 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 29XD3 KDR 0903.. | 29 | 25 | 34 | 165 | 87 | 109 | 56 | SPMT 090308-XOMT 090305 | 198,00 € |
| ATUM 30XD3 KDR 11T3.. | 30 | 32 | 44 | 177 | 90 | 117 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 32XD3 KDR 11T3.. | 32 | 32 | 44 | 183 | 96 | 123 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 33XD3 KDR 11T3.. | 33 | 32 | 44 | 186 | 99 | 126 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 34XD3 KDR 11T3.. | 34 | 32 | 44 | 189 | 102 | 129 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 35XD3 KDR 11T3.. | 35 | 32 | 44 | 192 | 105 | 132 | 60 | SPMT 11T308-XOMT 11T306 | 204,00 € |
| ATUM 37XD3 KDR 1304.. | 37 | 32 | 44 | 198 | 111 | 138 | 60 | SPMT 130410-XOMT 130406 | 204,00 € |
| ATUM 38XD3 KDR 1304.. | 38 | 32 | 44 | 201 | 114 | 141 | 60 | SPMT 130410-XOMT 130406 | 204,00 € |
| ATUM 39XD3 KDR 1304.. | 39 | 32 | 44 | 204 | 117 | 144 | 60 | SPMT 130410-XOMT 130406 | 204,00 € |
| ATUM 40XD3 KDR 1304.. | 40 | 32 | 44 | 207 | 120 | 147 | 60 | SPMT 130410-XOMT 130406 | 204,00 € |

**D4**

**COMPATIPLE WITH KRLY INSERT**
*KOMPATIBEL FÜR KRLY WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 14XD4 KDR 0502.. | 14 | 20 | 25 | 128 | 56 | 78 | 50 | SPMT 050204-XOMT 050204 | 280,00 € |
| ATUM 14.5XD4 KDR 0502.. | 14.5 | 20 | 25 | 128 | 56 | 78 | 50 | SPMT 050204-XOMT 050204 | 280,00 € |
| ATUM 15XD4 KDR 0502.. | 15 | 20 | 25 | 132 | 60 | 82 | 50 | SPMT 050204-XOMT 050204 | 280,00 € |
| ATUM 15.5XD4 KDR 0502.. | 15.5 | 20 | 25 | 132 | 60 | 82 | 50 | SPMT 050204-XOMT 050204 | 280,00 € |
| ATUM 16XD4 KDR 0502.. | 16 | 25 | 34 | 142 | 64 | 86 | 56 | SPMT 050204-XOMT 050204 | 280,00 € |
| ATUM 17XD4 KDR 0602.. | 17 | 25 | 34 | 146 | 68 | 90 | 56 | SPMT 060205-XOMT 060204 | 280,00 € |
| ATUM 17.5XD4 KDR 0602.. | 17.5 | 25 | 34 | 146 | 68 | 90 | 56 | SPMT 060205-XOMT 060204 | 280,00 € |
| ATUM 18XD4 KDR 0602.. | 18 | 25 | 34 | 150 | 72 | 94 | 56 | SPMT 060205-XOMT 060204 | 280,00 € |
| ATUM 18.5XD4 KDR 0602.. | 18.5 | 25 | 34 | 150 | 72 | 94 | 56 | SPMT 060205-XOMT 060204 | 280,00 € |
| ATUM 19XD4 KDR 0602.. | 19 | 25 | 34 | 154 | 76 | 98 | 56 | SPMT 060205-XOMT 060204 | 280,00 € |
| ATUM 20XD4 KDR 07T2.. | 20 | 25 | 34 | 158 | 80 | 102 | 56 | SPMT 07T208-XOMT 07T205 | 292,00 € |
| ATUM 21XD4 KDR 07T2.. | 21 | 25 | 34 | 162 | 84 | 106 | 56 | SPMT 07T208-XOMT 07T205 | 292,00 € |
| ATUM 22XD4 KDR 07T2.. | 22 | 25 | 34 | 166 | 88 | 110 | 56 | SPMT 07T208-XOMT 07T205 | 292,00 € |
| ATUM 24XD4 KDR 0903.. | 24 | 25 | 34 | 174 | 96 | 118 | 56 | SPMT 090308-XOMT 090305 | 305,00 € |
| ATUM 25XD4 KDR 0903.. | 25 | 25 | 34 | 178 | 100 | 122 | 56 | SPMT 090308-XOMT 090305 | 305,00 € |



Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 12.5XD3 KDR 0402..

## U-DRILL SYSTEM / *VOLLBOHRER (SOMT)*

**D2**

**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

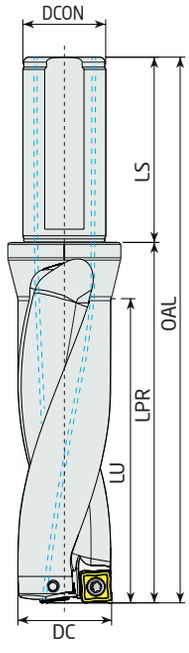
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 14XD2 SOMT 050204 | 14 | 20 | 25 | 100 | 28 | 50 | 50 | SOMT 050204 | 172,00 € |
| ATUM 16XD2 SOMT 050204 | 16 | 25 | 34 | 110 | 32 | 54 | 56 | SOMT 050204 | 172,00 € |
| ATUM 17XD2 SOMT 060204 | 17 | 25 | 34 | 112 | 34 | 56 | 56 | SOMT 060204 | 172,00 € |
| ATUM 18XD2 SOMT 060204 | 18 | 25 | 34 | 114 | 36 | 58 | 56 | SOMT 060204 | 172,00 € |
| ATUM 20XD2 SOMT 070306 | 20 | 25 | 34 | 118 | 40 | 62 | 56 | SOMT 070306 | 184,00 € |
| ATUM 22XD2 SOMT 070306 | 22 | 25 | 34 | 122 | 44 | 66 | 56 | SOMT 070306 | 184,00 € |
| ATUM 23XD2 SOMT 08T306 | 23 | 25 | 34 | 124 | 46 | 68 | 56 | SOMT 08T306 | 184,00 € |
| ATUM 24XD2 SOMT 08T306 | 24 | 25 | 34 | 126 | 48 | 70 | 56 | SOMT 08T306 | 192,00 € |
| ATUM 25XD2 SOMT 08T306 | 25 | 25 | 34 | 128 | 50 | 72 | 56 | SOMT 08T306 | 192,00 € |
| ATUM 26XD2 SOMT 08T306 | 26 | 25 | 34 | 130 | 52 | 74 | 56 | SOMT 08T306 | 192,00 € |
| ATUM 27XD2 SOMT 09T308 | 27 | 25 | 34 | 132 | 54 | 76 | 56 | SOMT 09T308 | 192,00 € |
| ATUM 28XD2 SOMT 09T308 | 28 | 25 | 34 | 134 | 56 | 78 | 56 | SOMT 09T308 | 192,00 € |
| ATUM 29XD2 SOMT 09T308 | 29 | 25 | 34 | 136 | 58 | 80 | 56 | SOMT 09T308 | 192,00 € |
| ATUM 30XD2 SOMT 09T308 | 30 | 32 | 44 | 147 | 60 | 87 | 60 | SOMT 09T308 | 204,00 € |
| ATUM 32XD2 SOMT 11T308 | 32 | 32 | 44 | 151 | 64 | 91 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 33XD2 SOMT 11T308 | 33 | 32 | 44 | 153 | 66 | 93 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 34XD2 SOMT 11T308 | 34 | 32 | 44 | 155 | 68 | 95 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 35XD2 SOMT 11T308 | 35 | 32 | 44 | 157 | 70 | 97 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 37XD2 SOMT 130408 | 37 | 32 | 44 | 161 | 74 | 101 | 60 | SOMT 130408 | 204,00 € |
| ATUM 38XD2 SOMT 130408 | 38 | 32 | 44 | 163 | 76 | 103 | 60 | SOMT 130408 | 204,00 € |
| ATUM 40XD2 SOMT 130408 | 40 | 32 | 44 | 167 | 80 | 107 | 60 | SOMT 130408 | 204,00 € |
| ATUM 45XD2 SOMT 150510 | 45 | 40 | 54 | 192 | 90 | 122 | 70 | SOMT 150510 | 231,00 € |
| ATUM 47XD2 SOMT 150510 | 47 | 40 | 54 | 196 | 94 | 126 | 70 | SOMT 150510 | 263,00 € |

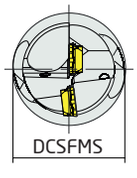
User's Guide For U-Drills : P 166 / *Bedienungsanleitung für U-Bohrer: S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 14XD2 SOMT 050204

## U-DRILL SYSTEM / *VOLLBOHRER (SOMT.)*

**D3**




**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 14XD3 SOMT 050204 | 14 | 20 | 25 | 114 | 42 | 64 | 50 | SOMT 050204 | 184,00 € |
| ATUM 14.5XD3 SOMT 050204 | 14.5 | 20 | 25 | 114 | 42 | 64 | 50 | SOMT 050204 | 184,00 € |
| ATUM 15XD3 SOMT 050204 | 15 | 20 | 25 | 117 | 45 | 67 | 50 | SOMT 050204 | 184,00 € |
| ATUM 15.5XD3 SOMT 050204 | 15.5 | 20 | 25 | 117 | 45 | 67 | 50 | SOMT 050204 | 184,00 € |
| ATUM 16XD3 SOMT 050204 | 16 | 25 | 34 | 126 | 48 | 70 | 56 | SOMT 050204 | 184,00 € |
| ATUM 16.5XD3 SOMT 060204 | 16.5 | 25 | 34 | 126 | 48 | 70 | 56 | SOMT 060204 | 184,00 € |
| ATUM 17XD3 SOMT 060204 | 17 | 25 | 34 | 129 | 51 | 73 | 56 | SOMT 060204 | 184,00 € |
| ATUM 17.5XD3 SOMT 060204 | 17.5 | 25 | 34 | 129 | 51 | 73 | 56 | SOMT 060204 | 184,00 € |
| ATUM 18XD3 SOMT 060204 | 18 | 25 | 34 | 132 | 54 | 76 | 56 | SOMT 060204 | 184,00 € |
| ATUM 18.5XD3 SOMT 060204 | 18.5 | 25 | 34 | 132 | 54 | 76 | 56 | SOMT 060204 | 184,00 € |
| ATUM 19XD3 SOMT 060204 | 19 | 25 | 34 | 135 | 57 | 79 | 56 | SOMT 060204 | 184,00 € |
| ATUM 19.5XD3 SOMT 070306 | 19.5 | 25 | 34 | 135 | 57 | 79 | 56 | SOMT 070306 | 184,00 € |
| ATUM 20XD3 SOMT 070306 | 20 | 25 | 34 | 138 | 60 | 82 | 56 | SOMT 070306 | 192,00 € |
| ATUM 20.5XD3 SOMT 070306 | 20.5 | 25 | 34 | 138 | 60 | 82 | 56 | SOMT 070306 | 192,00 € |
| ATUM 21XD3 SOMT 070306 | 21 | 25 | 34 | 141 | 63 | 85 | 56 | SOMT 070306 | 192,00 € |
| ATUM 22XD3 SOMT 070306 | 22 | 25 | 34 | 144 | 66 | 88 | 56 | SOMT 070306 | 192,00 € |
| ATUM 22.5XD3 SOMT 08T306 | 22.5 | 25 | 34 | 144 | 66 | 88 | 56 | SOMT 08T306 | 192,00 € |
| ATUM 23XD3 SOMT 08T306 | 23 | 25 | 34 | 147 | 69 | 91 | 56 | SOMT 08T306 | 192,00 € |
| ATUM 23.5XD3 SOMT 08T306 | 23.5 | 25 | 34 | 147 | 69 | 91 | 56 | SOMT 08T306 | 192,00 € |
| ATUM 24XD3 SOMT 08T306 | 24 | 25 | 34 | 150 | 72 | 94 | 56 | SOMT 08T306 | 198,00 € |
| ATUM 24.5XD3 SOMT 08T306 | 24.5 | 25 | 34 | 150 | 72 | 94 | 56 | SOMT 08T306 | 198,00 € |
| ATUM 25XD3 SOMT 08T306 | 25 | 25 | 34 | 153 | 75 | 97 | 56 | SOMT 08T306 | 198,00 € |
| ATUM 26XD3 SOMT 08T306 | 26 | 25 | 34 | 156 | 78 | 100 | 56 | SOMT 08T306 | 198,00 € |
| ATUM 27XD3 SOMT 09T308 | 27 | 25 | 34 | 159 | 81 | 103 | 56 | SOMT 09T308 | 198,00 € |
| ATUM 27.5XD3 SOMT 09T308 | 27.5 | 25 | 34 | 159 | 81 | 103 | 56 | SOMT 09T308 | 198,00 € |
| ATUM 28XD3 SOMT 09T308 | 28 | 25 | 34 | 162 | 84 | 106 | 56 | SOMT 09T308 | 198,00 € |
| ATUM 29XD3 SOMT 09T308 | 29 | 25 | 34 | 165 | 87 | 109 | 56 | SOMT 09T308 | 198,00 € |
| ATUM 30XD3 SOMT 09T308 | 30 | 32 | 44 | 177 | 90 | 117 | 60 | SOMT 09T308 | 204,00 € |
| ATUM 32XD3 SOMT 11T308 | 32 | 32 | 44 | 183 | 96 | 123 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 33XD3 SOMT 11T308 | 33 | 32 | 44 | 186 | 99 | 126 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 34XD3 SOMT 11T308 | 34 | 32 | 44 | 189 | 102 | 129 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 35XD3 SOMT 11T308 | 35 | 32 | 44 | 192 | 105 | 132 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 36XD3 SOMT 11T308 | 36 | 32 | 44 | 195 | 108 | 135 | 60 | SOMT 11T308 | 204,00 € |
| ATUM 37XD3 SOMT 130408 | 37 | 32 | 44 | 198 | 111 | 138 | 60 | SOMT 130408 | 204,00 € |
| ATUM 38XD3 SOMT 130408 | 38 | 32 | 44 | 201 | 114 | 141 | 60 | SOMT 130408 | 204,00 € |
| ATUM 39XD3 SOMT 130408 | 39 | 32 | 44 | 204 | 117 | 144 | 60 | SOMT 130408 | 204,00 € |
| ATUM 40XD3 SOMT 130408 | 40 | 32 | 44 | 207 | 120 | 147 | 60 | SOMT 130408 | 204,00 € |
| ATUM 45XD3 SOMT 150510 | 45 | 40 | 54 | 237 | 135 | 167 | 70 | SOMT 150510 | 237,00 € |
| ATUM 49XD3 SOMT 150510 | 49 | 40 | 54 | 249 | 147 | 179 | 70 | SOMT 150510 | 290,00 € |
| ATUM 50XD3 SOMT 150510 | 50 | 40 | 54 | 252 | 150 | 182 | 70 | SOMT 150510 | 316,00 € |

**D4**

**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 14XD4 SOMT 050204 | 14 | 20 | 25 | 128 | 56 | 78 | 50 | SOMT 050204 | 280,00 € |
| ATUM 14.5XD4 SOMT 050204 | 14.5 | 20 | 25 | 128 | 56 | 78 | 50 | SOMT 050204 | 280,00 € |
| ATUM 16XD4 SOMT 050204 | 16 | 25 | 34 | 142 | 64 | 86 | 56 | SOMT 050204 | 303,00 € |
| ATUM 17XD4 SOMT 060204 | 17 | 25 | 34 | 146 | 68 | 90 | 56 | SOMT 060204 | 280,00 € |
| ATUM 17.5XD4 SOMT 060204 | 17.5 | 25 | 34 | 146 | 68 | 90 | 56 | SOMT 060204 | 280,00 € |
| ATUM 18XD4 SOMT 060204 | 18 | 25 | 34 | 150 | 72 | 94 | 56 | SOMT 060204 | 280,00 € |
| ATUM 19XD4 SOMT 060204 | 19 | 25 | 34 | 154 | 76 | 98 | 56 | SOMT 060204 | 280,00 € |
| ATUM 20XD4 SOMT 070306 | 20 | 25 | 34 | 158 | 80 | 102 | 56 | SOMT 070306 | 316,00 € |
| ATUM 21XD4 SOMT 070306 | 21 | 25 | 34 | 162 | 84 | 106 | 56 | SOMT 070306 | 316,00 € |
| ATUM 22XD4 SOMT 070306 | 22 | 25 | 34 | 166 | 88 | 110 | 56 | SOMT 070306 | 316,00 € |
| ATUM 24XD4 SOMT 08T306 | 24 | 25 | 34 | 174 | 96 | 118 | 56 | SOMT 08T306 | 330,00 € |
| ATUM 25XD4 SOMT 08T306 | 25 | 25 | 34 | 178 | 100 | 122 | 56 | SOMT 08T306 | 330,00 € |



Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 14XD3 SOMT 050204

## U-DRILL SYSTEM / *VOLLBOHRER (SOMT.)*

**D5**

**COMPATIPLE WITH TGTC INSERT**
*KOMPATIBEL FÜR TGTC WENDESCHNEIDPLATTEN*

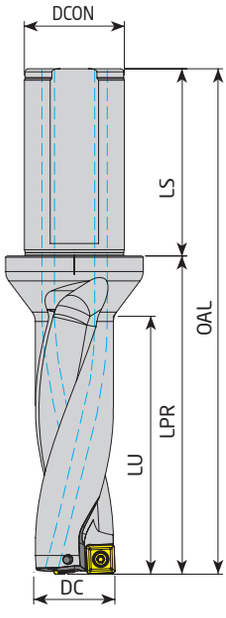
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | OAL | LU | LPR | LS | | |
| ATUM 14XD5 SOMT 050204 | 14 | 20 | 25 | 142 | 70 | 92 | 50 | SOMT 050204 | 275,00 € |
| ATUM 15XD5 SOMT 050204 | 15 | 20 | 25 | 147 | 75 | 97 | 50 | SOMT 050204 | 275,00 € |
| ATUM 15.5XD5 SOMT 050204 | 15.5 | 20 | 25 | 147 | 75 | 97 | 50 | SOMT 050204 | 297,00 € |
| ATUM 16XD5 SOMT 050204 | 16 | 25 | 34 | 158 | 80 | 102 | 56 | SOMT 050204 | 275,00 € |
| ATUM 16.5XD5 SOMT 060204 | 16.5 | 25 | 34 | 158 | 80 | 102 | 56 | SOMT 060204 | 275,00 € |
| ATUM 17.5XD5 SOMT 060204 | 17 | 25 | 34 | 163 | 85 | 107 | 56 | SOMT 060204 | 275,00 € |
| ATUM 18XD5 SOMT 060204 | 18 | 25 | 34 | 168 | 90 | 112 | 56 | SOMT 060204 | 275,00 € |
| ATUM 18.5XD5 SOMT 060204 | 18.5 | 25 | 34 | 168 | 90 | 112 | 56 | SOMT 060204 | 275,00 € |
| ATUM 19XD5 SOMT 060204 | 19 | 25 | 34 | 173 | 95 | 117 | 56 | SOMT 060204 | 275,00 € |
| ATUM 19.5XD5 SOMT 070306 | 19.5 | 25 | 34 | 173 | 95 | 117 | 56 | SOMT 070306 | 275,00 € |
| ATUM 20XD5 SOMT 070306 | 20 | 25 | 34 | 178 | 100 | 122 | 56 | SOMT 070306 | 286,00 € |
| ATUM 21XD5 SOMT 070306 | 21 | 25 | 34 | 183 | 105 | 127 | 56 | SOMT 070306 | 286,00 € |
| ATUM 22XD5 SOMT 070306 | 22 | 25 | 34 | 188 | 110 | 132 | 56 | SOMT 070306 | 286,00 € |
| ATUM 23XD5 SOMT 08T306 | 23 | 25 | 34 | 193 | 115 | 137 | 56 | SOMT 08T306 | 286,00 € |
| ATUM 24XD5 SOMT 08T306 | 24 | 25 | 34 | 198 | 120 | 142 | 56 | SOMT 08T306 | 297,00 € |
| ATUM 25XD5 SOMT 08T306 | 25 | 25 | 34 | 203 | 125 | 147 | 56 | SOMT 08T306 | 297,00 € |
| ATUM 26XD5 SOMT 08T306 | 26 | 25 | 34 | 208 | 130 | 152 | 56 | SOMT 08T306 | 297,00 € |
| ATUM 27XD5 SOMT 09T308 | 27 | 25 | 34 | 213 | 135 | 157 | 56 | SOMT 09T308 | 297,00 € |
| ATUM 28XD5 SOMT 09T308 | 28 | 25 | 34 | 218 | 140 | 162 | 56 | SOMT 09T308 | 297,00 € |
| ATUM 29XD5 SOMT 09T308 | 29 | 25 | 34 | 223 | 145 | 167 | 56 | SOMT 09T308 | 297,00 € |
| ATUM 30XD5 SOMT 09T308 | 30 | 32 | 44 | 237 | 150 | 177 | 60 | SOMT 09T308 | 306,00 € |
| ATUM 33XD5 SOMT 11T308 | 33 | 32 | 44 | 252 | 165 | 192 | 60 | SOMT 11T308 | 306,00 € |
| ATUM 34XD5 SOMT 11T308 | 34 | 32 | 44 | 257 | 170 | 197 | 60 | SOMT 11T308 | 306,00 € |
| ATUM 35XD5 SOMT 11T308 | 35 | 32 | 44 | 262 | 175 | 202 | 60 | SOMT 11T308 | 306,00 € |
| ATUM 36XD5 SOMT 11T308 | 36 | 32 | 44 | 267 | 180 | 207 | 60 | SOMT 11T308 | 306,00 € |

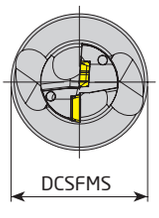
User's Guide For U-Drills : P 166 / *Bedienungsanleitung für U-Bohrer: S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 14XD5 SOMT 050204

## U-DRILL SYSTEM / *VOLLBOHRER (880.)*

D3




**COMPATIPLE WITH SNDVK INSERT**
*KOMPATIBEL FÜR SNDVK WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCON | DCSFMS | OAL | LU | LPR | LS | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATUM 14XD3 880-0202.. | 14 | 20 | 25 | 108 | 45 | 58 | 50 | 880-02...C / P | 202,00 € |
| ATUM 14.5XD3 880-0202.. | 14.5 | 20 | 25 | 110 | 46 | 60 | 50 | 880-02...C / P | 202,00 € |
| ATUM 15XD3 880-0202.. | 15 | 20 | 25 | 112 | 48 | 62 | 50 | 880-02...C / P | 202,00 € |
| ATUM 15.5XD3 880-0202.. | 15.5 | 20 | 25 | 114 | 50 | 64 | 50 | 880-02...C / P | 202,00 € |
| ATUM 16XD3 880-0202.. | 16 | 20 | 25 | 116 | 51 | 66 | 50 | 880-02...C / P | 202,00 € |
| ATUM 16.5XD3 880-0303.. | 16.5 | 20 | 25 | 118 | 53 | 68 | 50 | 880-03...C / P | 202,00 € |
| ATUM 17XD3 880-0303.. | 17 | 20 | 25 | 119 | 54 | 69 | 50 | 880-03...C / P | 202,00 € |
| ATUM 17.5XD3 880-0303.. | 17.5 | 25 | 32 | 128 | 56 | 72 | 56 | 880-03...C / P | 202,00 € |
| ATUM 18XD3 880-0303.. | 18 | 25 | 32 | 129 | 57 | 73 | 56 | 880-03...C / P | 202,00 € |
| ATUM 18.5XD3 880-0303.. | 18.5 | 25 | 32 | 131 | 59 | 75 | 56 | 880-03...C / P | 202,00 € |
| ATUM 19XD3 880-0303.. | 19 | 25 | 32 | 132 | 60 | 76 | 56 | 880-03...C / P | 202,00 € |
| ATUM 19.5XD3 880-0303.. | 19.5 | 25 | 32 | 135 | 62 | 79 | 56 | 880-03...C / P | 202,00 € |
| ATUM 20XD3 880-0403.. | 20 | 25 | 32 | 137 | 64 | 81 | 56 | 880-04...C / P | 210,00 € |
| ATUM 20.5XD3 880-0403.. | 20.5 | 25 | 32 | 138 | 65 | 82 | 56 | 880-04...C / P | 210,00 € |
| ATUM 21XD3 880-0403.. | 21 | 25 | 32 | 140 | 66 | 84 | 56 | 880-04...C / P | 210,00 € |
| ATUM 21.5XD3 880-0403.. | 22 | 25 | 32 | 142 | 68 | 86 | 56 | 880-04...C / P | 210,00 € |
| ATUM 22XD3 880-0403.. | 23 | 25 | 32 | 143 | 69 | 87 | 56 | 880-04...C / P | 210,00 € |
| ATUM 22.5XD3 880-0403.. | 22.5 | 25 | 32 | 146 | 71 | 90 | 56 | 880-04...C / P | 210,00 € |
| ATUM 23XD3 880-0403.. | 23 | 25 | 32 | 147 | 72 | 91 | 56 | 880-04...C / P | 210,00 € |
| ATUM 23.5XD3 880-0403.. | 23.5 | 23 | 34 | 149 | 69 | 93 | 56 | 880-04...C / P | 210,00 € |
| ATUM 24XD3 880-0503.. | 24 | 25 | 32 | 151 | 76 | 95 | 56 | 880-05...C / P | 218,00 € |
| ATUM 25XD3 880-0503.. | 25 | 25 | 32 | 155 | 79 | 99 | 56 | 880-05...C / P | 218,00 € |
| ATUM 26XD3 880-0503.. | 26 | 32 | 44 | 162 | 81 | 102 | 60 | 880-05...C / P | 218,00 € |
| ATUM 27XD3 880-0503.. | 27 | 32 | 44 | 165 | 84 | 105 | 60 | 880-05...C / P | 218,00 € |
| ATUM 28XD3 880-0503.. | 28 | 32 | 44 | 169 | 87 | 109 | 60 | 880-05...C / P | 218,00 € |
| ATUM 29XD3 880-0503.. | 29 | 32 | 44 | 172 | 90 | 112 | 60 | 880-05...C / P | 218,00 € |
| ATUM 30XD3 880-0604.. | 30 | 32 | 44 | 177 | 94 | 117 | 60 | 880-06...C / P | 224,00 € |
| ATUM 31XD3 880-0604.. | 31 | 40 | 54 | 191 | 97 | 121 | 70 | 880-06...C / P | 224,00 € |
| ATUM 32XD3 880-0604.. | 32 | 40 | 54 | 194 | 100 | 124 | 70 | 880-06...C / P | 224,00 € |
| ATUM 33XD3 880-0604.. | 33 | 40 | 54 | 198 | 103 | 128 | 70 | 880-06...C / P | 224,00 € |
| ATUM 34XD3 880-0604.. | 34 | 40 | 54 | 201 | 106 | 131 | 70 | 880-06...C / P | 224,00 € |
| ATUM 35XD3 880-0604.. | 35 | 40 | 54 | 205 | 109 | 135 | 70 | 880-06...C / P | 224,00 € |
| ATUM 36XD3 880-0704.. | 36 | 40 | 54 | 209 | 112 | 139 | 70 | 880-07...C / P | 224,00 € |
| ATUM 38XD3 880-0704.. | 38 | 40 | 54 | 216 | 118 | 146 | 70 | 880-07...C / P | 224,00 € |
| ATUM 39XD3 880-0704.. | 39 | 40 | 54 | 219 | 121 | 149 | 70 | 880-07...C / P | 224,00 € |
| ATUM 40XD3 880-0704.. | 40 | 40 | 54 | 223 | 124 | 153 | 70 | 880-07...C / P | 224,00 € |
| ATUM 41XD3 880-0704.. | 41 | 40 | 54 | 227 | 127 | 157 | 70 | 880-07...C / P | 247,00 € |
| ATUM 42XD3 880-0704.. | 42 | 40 | 54 | 230 | 130 | 160 | 70 | 880-07...C / P | 247,00 € |
| ATUM 45XD3 880-0805.. | 45 | 40 | 54 | 242 | 140 | 172 | 70 | 880-08...C / P | 260,00 € |
| ATUM 46XD3 880-0805.. | 46 | 40 | 54 | 246 | 143 | 176 | 70 | 880-08...C / P | 275,00 € |
| ATUM 48XD3 880-0805.. | 48 | 40 | 54 | 253 | 149 | 183 | 70 | 880-08...C / P | 305,00 € |
| ATUM 50XD3 880-0805.. | 50 | 40 | 54 | 260 | 155 | 190 | 70 | 880-08...C / P | 347,00 € |

## EXCENTRIC ADAPTOR FOR U-DRILLS / *EXZENTRISCHER ADAPTER FÜR WENDEPLATTENBOHRER*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCON | BD | LF | PRICE / *PREIS* |
|---|---|---|---|---|
| AET-2025 | 20 | 25 | 44 | 85,00 € |
| AET-2532 | 25 | 32 | 46 | 85,00 € |
| AET-3240 | 32 | 40 | 55 | 85,00 € |

CAN BE ADJUSTABLE BETWEEN Ø+0,4 - Ø-0,2 AS DECIMAL
FOR EXAMPLE: Ø25 TOOL;
CAN BE ADJUSTABLE BETWEEN 24,80≈25,4

*ZWISCHEN -0,2 mm UND +0,4 mm EINSTELLBAR*
*BEISPIEL WERKZEUG :*
*Ø25= WERKZEUG ZWISCHEN 24,80≈25,4 EINSTELLBAR*



Ordering Example/*Beispiel Bestellformular:* 1pcs. ATUM 14XD3 880-0202..

## DRILL CHAMFERING RING TOOLS / *VOLLBOHRER RING FASENFRÄSER*

45°

| CODE / *TYP* | COMPATIBLE ATUM DIAMETER | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| ADCR-120-VB1103 | 12.5 | VBM. 1103.. | 93,00 € |
| ADCR-125-VB1103 | 13 | VBM. 1103.. | 93,00 € |
| ADCR-130-VB1103 | 13.5 | VBM. 1103.. | 93,00 € |
| ADCR-135-VB1103 | 14 | VBM. 1103.. | 93,00 € |
| ADCR-140-VB1103 | 14.5 | VBM. 1103.. | 93,00 € |
| ADCR-145-VB1103 | 15 | VBM. 1103.. | 93,00 € |
| ADCR-150-VB1103 | 15.5-16 | VBM. 1103.. | 93,00 € |
| ADCR-155-VB1103 | 16.5 | VBM. 1103.. | 93,00 € |
| ADCR-160-VB1103 | 17 | VBM. 1103.. | 98,00 € |
| ADCR-165-VB1103 | 17.5 | VBM. 1103.. | 98,00 € |
| ADCR-170-VB1103 | 18 | VBM. 1103.. | 98,00 € |
| ADCR-175-VB1103 | 18.5 | VBM. 1103.. | 98,00 € |
| ADCR-180-VB1103 | 19 | VBM. 1103.. | 98,00 € |
| ADCR-185-VB1103 | 19.5 | VBM. 1103.. | 98,00 € |
| ADCR-190-VB1103 | 20 | VBM. 1103.. | 98,00 € |
| ADCR-195-VB1103 | 20.5 | VBM. 1103.. | 98,00 € |
| ADCR-200-VB1103 | 21 | VBM. 1103.. | 102,00 € |
| ADCR-205-VB1103 | 21.5 | VBM. 1103.. | 102,00 € |
| ADCR-210-VB1103 | 22 | VBM. 1103.. | 102,00 € |
| ADCR-215-VB1103 | 22.5 | VBM. 1103.. | 102,00 € |
| ADCR-220-VB1103 | 23 | VBM. 1103.. | 102,00 € |
| ADCR-225-VB1103 | 23.5 | VBM. 1103.. | 102,00 € |
| ADCR-230-VB1103 | 24 | VBM. 1103.. | 102,00 € |
| ADCR-235-VB1103 | 24.5 | VBM. 1103.. | 102,00 € |
| ADCR-240-VB1103 | 25 | VBM. 1103.. | 102,00 € |
| ADCR-245-VB1103 | 25.5 | VBM. 1103.. | 102,00 € |
| ADCR-250-VB1103 | 26 | VBM. 1103.. | 111,00 € |
| ADCR-255-VB1103 | 26.5 | VBM. 1103.. | 111,00 € |
| ADCR-260-VB1103 | 27 | VBM. 1103.. | 111,00 € |
| ADCR-265-VB1103 | 27.5 | VBM. 1103.. | 111,00 € |
| ADCR-270-VB1103 | 28 | VBM. 1103.. | 111,00 € |
| ADCR-275-VB1103 | 28.5 | VBM. 1103.. | 111,00 € |
| ADCR-280-VB1103 | 29 | VBM. 1103.. | 111,00 € |
| ADCR-285-VB1103 | 29.5 | VBM. 1103.. | 111,00 € |
| ADCR-290-VB1103 | 30 | VBM. 1103.. | 111,00 € |
| ADCR-295-VB1103 | 30.5 | VBM. 1103.. | 111,00 € |
| ADCR-300-VB1103 | 31 | VBM. 1103.. | 111,00 € |

## DRILLING, BORING and EXTERNAL TURNING / *MULTIFUNKTIONALES DREH-UND BOHRWERKZEUG*

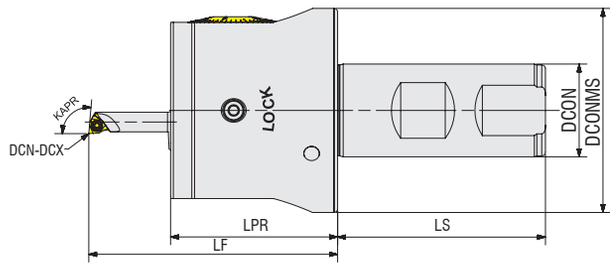
COMPATIPLE WITH CRTZT-ISCR-TGTC-KRLY INSERT
*KOMPATIBEL FÜR CRTZT-ISCR-TGTC-KRLY WENDESCHNEIDPLATTEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DC | DCON | DCSFMS | LU | LPR | LS | WF | | |
| AEKR/L-D2.25X8 XC.. 040104 | 8 | 10 | 12 | 18 | 22 | 38 | 4 | XC.. 040104 | 131,00 € |
| AEKR/L-D2.25X10 XC.. 050204 | 10 | 12 | 16 | 22.5 | 27.5 | 42 | 5 | XC.. 050204 | 131,00 € |
| AEKR/L-D2.25X12 XC.. 060204 | 12 | 16 | 20 | 27 | 33 | 45 | 6 | XC.. 060204 | 139,00 € |
| AEKR/L-D2.25X14 XC.. 070304 | 14 | 16 | 20 | 31.5 | 38 | 45 | 7 | XC.. 070304 | 144,00 € |
| AEKR/L-D2.25X16 XC.. 080304 | 16 | 20 | 25 | 36 | 44 | 50 | 8 | XC.. 080304 | 151,00 € |
| AEKR/L-D2.25X18 XC.. 09T304 | 18 | 25 | 32 | 40.5 | 50 | 56 | 9 | XC.. 09T304 | 169,00 € |
| AEKR/L-D2.25X20 XC.. 10T304 | 20 | 25 | 32 | 45 | 55 | 56 | 10 | XC.. 10T304 | 185,00 € |
| AEKR/L-D2.25X25 XC.. 130404 | 25 | 32 | 40 | 56.5 | 69 | 60 | 12.5 | XC.. 130404 | 210,00 € |
| AEKR/L-D2.25X32 XC.. 170504 | 32 | 40 | 50 | 72 | 88 | 70 | 16 | XC.. 170504 | 216,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. ADCR-120-VB1103

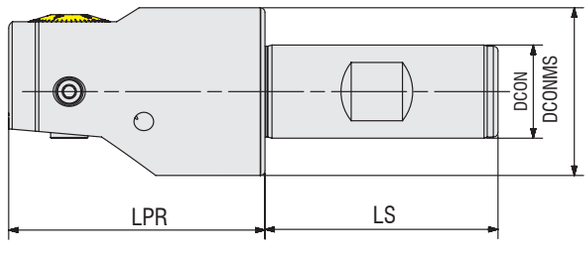
## ADJUSTABLE FINISH BORING HEADS / *EINSTELLBARE BOHRKÖPFE*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCN-DCX | LF | LPR | LS | DCON | DCONMS | KAPR | CARTRIDGE *KURZDREHHALTER* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|---|
| SET-ABHF-D06X30-WA25 | 06-30 | 67 | 45 | 56 | 25 | 55 | 95° | SWLCR-D06X10-22 | WGT020104L | |
| | 06-30 | 75 | 45 | 56 | 25 | 55 | 95° | SWLCR-D08X14-30 | WGT020104L | |
| | 06-30 | 85 | 45 | 56 | 25 | 55 | 93° | STUPR-D12X18-40 | TPGX 090202L | |
| | 06-30 | 85 | 45 | 56 | 25 | 55 | 93° | STUPR-D16X22-40 | TPGX 090202L | 1.059,00 € |
| | 06-30 | 85 | 45 | 56 | 25 | 55 | 93° | STUPR-D20X26-40 | TPGX 090202L | |
| | 06-30 | 95 | 45 | 56 | 25 | 55 | 93° | STUPR-D24X30-50 | TPGX 090202L | |
| SET-ABHF-D29X40-WA16 | 29-40 | 50 | 46 | 40 | 16 | 27 | - | STFPR-D29x35 | TPGX 090202L | |
| | 29-40 | 50 | 46 | 40 | 16 | 27 | - | STFPR-D34x40 | TPGX 090202L | 611,00 € |
| SET-ABHF-D39X54-WA20 | 39-54 | 60 | 55 | 50 | 20 | 36 | - | STFPR-D39x47 | TPGX 090202L | |
| | 39-54 | 60 | 55 | 50 | 20 | 36 | - | STFPR-D46x54 | TPGX 090202L | 659,00 € |
| SET-ABHF-D52X80-WA25 | 52-80 | 70 | 65 | 56 | 25 | 48 | - | STFPR-D52x68 | TPGX 090202L | |
| | 52-80 | 70 | 65 | 56 | 25 | 48 | - | STFPR-D64x80 | TPGX 090202L | 729,00 € |
| SET-ABHF-D78X170-WA32 | 78-170 | 83 | 77 | 60 | 32 | 70 | - | STFPR-D78x98 | TPGX 090202L | |
| | 78-170 | 83 | 77 | 60 | 32 | 70 | - | STFPR-D96x116 | TPGX 090202L | 951,00 € |



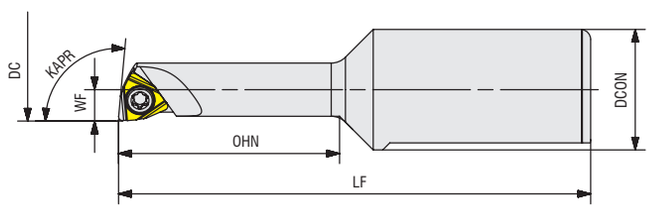

## ADJUSTABLE FINISH BORING HEADS / *EINSTELLBARE BOHRKÖPFE*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC DCX | LPR | LS | DCON | DCONMS | PRICE / *PREIS* |
|---|---|---|---|---|---|---|
| ABHF-D06X30-WA25 | 06-30 | 45 | 56 | 25 | 55 | 719,00 € |
| ABHF-D29X40-WA16 | 29-40 | 46 | 40 | 16 | 27 | 519,00 € |
| ABHF-D39X54-WA20 | 39-54 | 55 | 50 | 20 | 36 | 573,00 € |
| ABHF-D52X80-WA25 | 52-80 | 65 | 56 | 25 | 48 | 611,00 € |
| ABHF-D78X170-WA32 | 78-170 | 77 | 60 | 32 | 72 | 692,00 € |




## FINISH BORING HEADS CARTRIDGE / *FERTIGBOHRKÖPFE UND KARTUSCHEN*

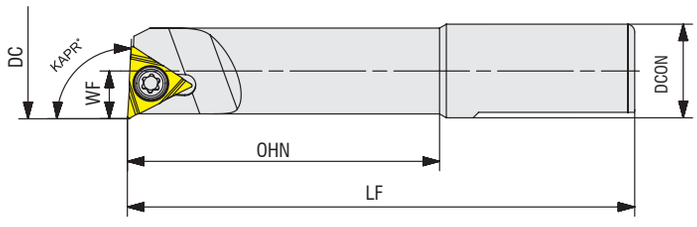
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCN | WF | KAPR | LF | OHN | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| SWLCR-D06X10-22 | 6 | 3 | 95° | 47 | 22 | 12 | WCGT020104L | 58,00 € |
| SWLCR-D08X14-30 | 8 | 4 | 95° | 55 | 30 | 12 | WCGT020104L | 58,00 € |




Ordering Example/*Beispiel Bestellformular:* 1pcs. SET-ABHF-D06X30-WA25

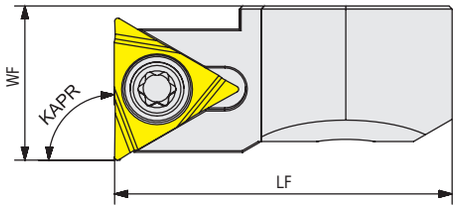
## FINISH BORING HEADS CARTRIDGE / *FERTIGBOHRKÖPFE UND KARTUSCHEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCN | WF | KAPR | LF | OHN | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| STUPR-D12X18-40 | 12 | 6 | 93° | 65 | 40 | 12 | TPGX 090202L | 62,00 € |
| STUPR-D16X22-40 | 16 | 8 | 93° | 65 | 40 | 12 | TPGX 090202L | 62,00 € |
| STUPR-D20X26-40 | 20 | 10 | 93° | 65 | 40 | 12 | TPGX 090202L | 70,00 € |
| STUPR-D24X30-50 | 24 | 12 | 93° | 75 | 50 | 12 | TPGX 090202L | 70,00 € |



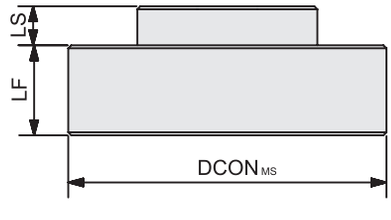

## FINISH BORING HEADS CARTRIDGE / *FERTIGBOHRKÖPFE UND KARTUSCHEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* WF | KAPR | LF | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|
| STFPR-D29x35 | 10 | 90° | 21.90 | TPGX 090202L | 53,00 € |
| STFPR-D34x40 | 12.50 | 90° | 21.90 | TPGX 090202L | 53,00 € |
| STFPR-D39x47 | 12 | 90° | 26 .90 | TPGX 090202L | 54,00 € |
| STFPR-D46x54 | 15.50 | 90° | 26 .90 | TPGX 090202L | 54,00 € |
| STFPR-D52x68 | 14 | 90° | 34.90 | TPGX 090202L | 71,00 € |
| STFPR-D64x80 | 20 | 90° | 34.90 | TPGX 090202L | 71,00 € |
| STFPR-D78x98 | 20 | 90° | 44.90 | TPGX 090202L | 71,00 € |
| STFPR-D96x116 | 29 | 90° | 44.90 | TPGX 090202L | 71,00 € |



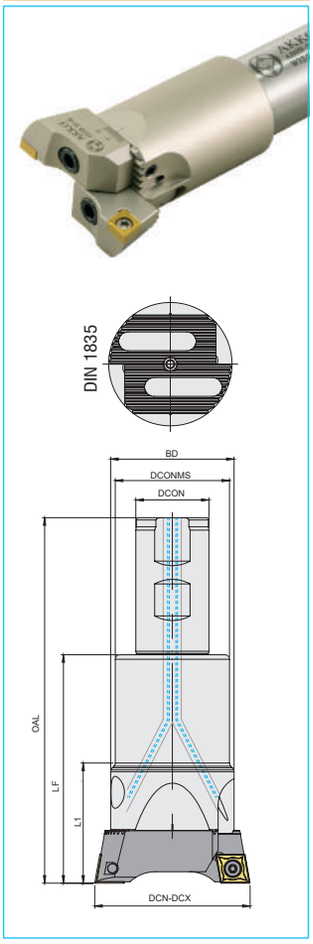

## FINISH BORING HEADS CARTRIDGE / *FERTIGBOHRKÖPFE UND KARTUSCHEN*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCON | LF | LS | PRICE / *PREIS* |
|---|---|---|---|---|
| AEA-114x134 | 31.80 | 12.90 | 9 | 71,00 € |
| AEA-132x152 | 31.80 | 21.90 | 18 | 71,00 € |



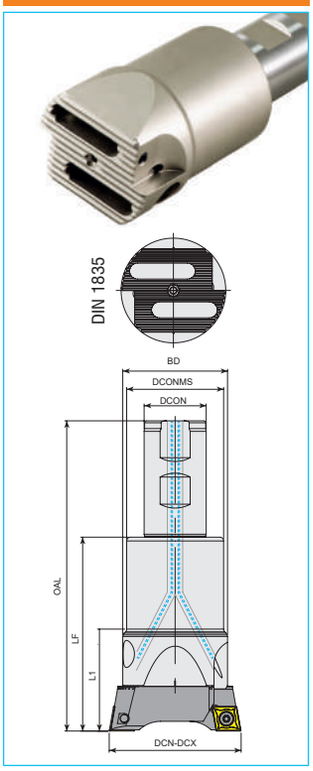

Ordering Example/*Beispiel Bestellformular:* 1pcs. STUPR-D12X18-40

## ROUGH BORING HEADS / *SCHRUPP-SPINDELKOPF*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CARTRIDGE *KURZDREHHALTER* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DCN-DCX | DCON | DCONMS | BD | OAL | LF | L1 | | |
| ABHR-D18x22-W16-L90-CC06 | 18-22 | 16 | - | - | 90 | 42 | - | AK.. 18-22 | 310,00 € |
| ABHR-D18x22-W16-L150-CC06 | 18-22 | 16 | - | - | 150 | 102 | - | AK.. 18-22 | 370,00 € |
| ABHR-D18x22-W16-L200-CC06 | 18-22 | 16 | - | - | 200 | 152 | - | AK.. 18-22 | 465,00 € |
| ABHR-D22x28-W20-L100-CC06 | 22-28 | 20 | - | - | 100 | 50 | - | AK.. 22-28 | 321,00 € |
| ABHR-D22x28-W20-L150-CC06 | 22-28 | 20 | - | - | 150 | 100 | - | AK.. 22-28 | 388,00 € |
| ABHR-D22x28-W20-L200-CC06 | 22-28 | 20 | - | - | 200 | 150 | - | AK.. 22-28 | 483,00 € |
| ABHR-D28x38-W20-L110-CC06 | 28-38 | 20 | 25 | - | 110 | 60 | - | AK.. 28-38 | 329,00 € |
| ABHR-D28x38-W20-L160-CC06 | 28-38 | 20 | 25 | - | 160 | 110 | - | AK.. 28-38 | 394,00 € |
| ABHR-D28x38-W20-L230-CC06 | 28-38 | 20 | 25 | - | 230 | 180 | - | AK.. 28-38 | 494,00 € |
| ABHR-D36x50-W25-L120-CC06 | 36-50 | 25 | 32 | - | 120 | 64 | - | AK.. 36-50 | 334,00 € |
| ABHR-D36x50-W25-L170-CC06 | 36-50 | 25 | 32 | - | 170 | 114 | - | AK.. 36-50 | 400,00 € |
| ABHR-D36x50-W25-L250-CC06 | 36-50 | 25 | 32 | - | 250 | 194 | - | AK.. 36-50 | 501,00 € |
| ABHR-D36x50-W25-L120-CC09 | 36-50 | 25 | 32 | - | 120 | 64 | - | AK.. 36-50-09 | 334,00 € |
| ABHR-D36x50-W25-L170-CC09 | 36-50 | 25 | 32 | - | 170 | 114 | - | AK.. 36-50-09 | 400,00 € |
| ABHR-D36x50-W25-L250-CC09 | 36-50 | 25 | 32 | - | 250 | 194 | - | AK.. 36-50-09 | 501,00 € |
| ABHR-D50x68-W32-L140-CC09 | 50-68 | 32 | 40 | - | 140 | 80 | - | AK.. 50-68 | 346,00 € |
| ABHR-D50x68-W32-L200-CC09 | 50-68 | 32 | 40 | - | 200 | 140 | - | AK.. 50-68 | 417,00 € |
| ABHR-D50x68-W32-L280-CC09 | 50-68 | 32 | 40 | - | 280 | 220 | - | AK.. 50-68 | 519,00 € |
| ABHR-D50x68-W32-L140-CC12 | 50-68 | 32 | 40 | - | 140 | 80 | - | AK.. 50-68-12 | 346,00 € |
| ABHR-D50x68-W32-L200-CC12 | 50-68 | 32 | 40 | - | 200 | 140 | - | AK.. 50-68-12 | 417,00 € |
| ABHR-D50x68-W32-L280-CC12 | 50-68 | 32 | 40 | - | 280 | 220 | - | AK.. 50-68-12 | 519,00 € |
| ABHR-D68x90-W32-L160-CC12 | 68-90 | 32 | 50 | 54 | 160 | 100 | 50 | AK.. 68-90 | 382,00 € |
| ABHR-D68x90-W32-L210-CC12 | 68-90 | 32 | 50 | 54 | 210 | 150 | 50 | AK.. 68-90 | 459,00 € |
| ABHR-D68x90-W32-L280-CC12 | 68-90 | 32 | 50 | 54 | 280 | 220 | 50 | AK.. 68-90 | 573,00 € |
| ABHR-D90x120-W32-L140-CC12 | 90-120 | 32 | 63 | 72 | 140 | 80 | 63 | AK.. 90-120 | 417,00 € |
| ABHR-D90x120-W40-L200-CC12 | 90-120 | 40 | 63 | 72 | 200 | 130 | 63 | AK.. 90-120 | 454,00 € |
| ABHR-D90x120-W40-L300-CC12 | 90-120 | 40 | 63 | 72 | 300 | 230 | 63 | AK.. 90-120 | 543,00 € |
| ABHR-D120x160-W40-L210-CC12 | 120-160 | 40 | 80 | 95 | 210 | 140 | 75 | AK.. 120-160 | 714,00 € |
| ABHR-D120x160-W40-L300-CC12 | 120-160 | 40 | 80 | 95 | 300 | 230 | 75 | AK.. 120-160 | 857,00 € |
| ABHR-D160x200-W40-L210-B-CC12 | 160-200 | 40 | 80 | 95 | 210 | 140 | 75 | AK.. 160-800 | 726,00 € |
| ABHR-D160x200-W40-L300-B-CC12 | 160-200 | 40 | 80 | 95 | 300 | 230 | 75 | AK.. 160-800 | 869,00 € |

## ADJUSTABLE ROUGH BORING HEADS BODY / *TRÄGERWERKZEUG FÜR EINSTELLBARE SCHRUPP-BOHRKÖPFE*

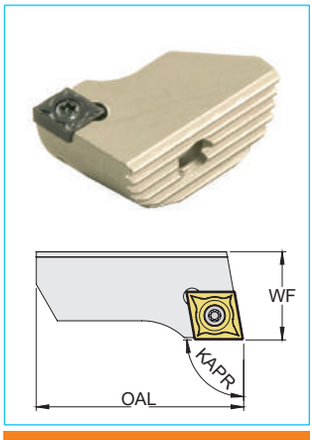



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | | CARTRIDGE *KURZDREHHALTER* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | DCN-DCX | DCON | DCONMS | BD | OAL | LF | L1 | | |
| ABHRS-D16x42-W16-L90 | 18-22 | 16 | - | - | 90 | 42 | - | AK.. 18-22 | 144,00 € |
| ABHRS-D16x102-W16-L150 | 18-22 | 16 | - | - | 150 | 102 | - | AK.. 18-22 | 204,00 € |
| ABHRS-D16x152-W16-L200 | 18-22 | 16 | - | - | 200 | 152 | - | AK.. 18-22 | 300,00 € |
| ABHRS-D20x50-W20-L100 | 22-28 | 20 | - | - | 100 | 50 | - | AK.. 22-28 | 142,00 € |
| ABHRS-D20x100-W20-L150 | 22-28 | 20 | - | - | 150 | 100 | - | AK.. 22-28 | 209,00 € |
| ABHRS-D20x150-W20-L200 | 22-28 | 20 | - | - | 200 | 150 | - | AK.. 28-38 | 303,00 € |
| ABHRS-D25x60-W20-L110 | 28-38 | 20 | 25 | - | 110 | 60 | - | AK.. 28-38 | 138,00 € |
| ABHRS-D25x110-W20-L160 | 28-38 | 20 | 25 | - | 160 | 110 | - | AK.. 28-38 | 202,00 € |
| ABHRS-D25x180-W20-L230 | 28-38 | 20 | 25 | - | 230 | 180 | - | AK.. 28-38 | 303,00 € |
| ABHRS-D32X64-W25-L120 | 36-50 | 25 | 32 | - | 120 | 64 | - | AK.. 36-50 | 131,00 € |
| ABHRS-D32X114-W25-L170 | 36-50 | 25 | 32 | - | 170 | 114 | - | AK.. 36-50 | 197,00 € |
| ABHRS-D32X194-W25-L250 | 36-50 | 25 | 32 | - | 250 | 194 | - | AK.. 36-50 | 297,00 € |
| ABHRS-D40x80-W32-L140 | 50-68 | 32 | 40 | - | 140 | 80 | - | AK.. 50-68 | 131,00 € |
| ABHRS-D40x140-W32-L200 | 50-68 | 32 | 40 | - | 200 | 140 | - | AK.. 50-68 | 202,00 € |
| ABHRS-D40x220-W32-L280 | 50-68 | 32 | 40 | - | 280 | 220 | - | AK.. 50-68 | 304,00 € |
| ABHRS-D50x100-W32-L160 | 68-90 | 32 | 50 | 54 | 160 | 100 | 50 | AK.. 68-90 | 155,00 € |
| ABHRS-D50x150-W32-L210 | 68-90 | 32 | 50 | 54 | 210 | 150 | 50 | AK.. 68-90 | 233,00 € |
| ABHRS-D50x220-W32-L280 | 68-90 | 32 | 50 | 54 | 280 | 220 | 50 | AK.. 68-90 | 346,00 € |
| ABHRS-D63x80-W32-L140 | 90-120 | 32 | 63 | 72 | 140 | 80 | 63 | AK.. 90-120 | 180,00 € |
| ABHRS-D63x130-W40-L200 | 90-120 | 40 | 63 | 72 | 200 | 130 | 63 | AK.. 90-120 | 215,00 € |
| ABHRS-D63x230-W40-L300 | 90-120 | 40 | 63 | 72 | 300 | 230 | 63 | AK.. 90-120 | 304,00 € |
| ABHRS-D80x140-W40-L210 | 120-160 | 40 | 80 | 95 | 210 | 140 | 75 | AK.. 120-160 | 465,00 € |
| ABHRS-D80x230-W40-L300 | 120-160 | 40 | 80 | 95 | 300 | 230 | 75 | AK.. 120-160 | 607,00 € |
| ABHRS-D80x140-W40-L210 | 160-200 | 40 | 80 | 95 | 210 | 140 | 75 | AK.. 160-800 | 465,00 € |
| ABHRS-D80x230-W40-L300 | 160-200 | 40 | 80 | 95 | 300 | 230 | 75 | AK.. 160-800 | 607,00 € |

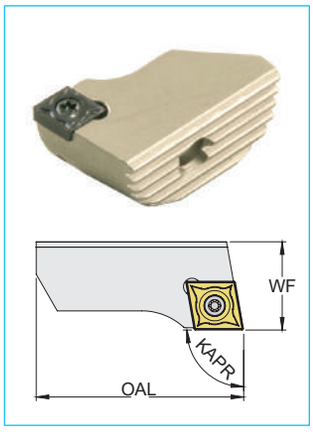
*When ordered, body and cartridge will be sent as set.*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ABHR-D18x22-W16-L90-CC06

## ROUGH BORING HEADS CARTRIDGE / *SCHRUPP-SPINDELKOPF KURZDREHHALTER*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* Dmin / Dmax | WF | OAL | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|
| AKSR 18-22 | 18-22 | 9 | 15 | CC.. 0602.. | 84,00 € |
| AKSR 22-28 | 22-28 | 10 | 19 | FOR ISO | 91,00 € |
| AKSR 28-38 | 28-38 | 13 | 23 | INSERT. | 97,00 € |
| AKSR 36-50 | 36-50 | 16 | 32 | | 102,00 € |
| AKSR 36-50-09 | 36-50 | 16 | 32 | CC.. 09T3.. | 102,00 € |
| AKSR 50-68 | 50-68 | 20 | 40 | FOR ISO INSERT. | 108,00 € |
| AKSR 50-68-12 | 50-68 | 20 | 40 | | 108,00 € |
| AKSR 68-90 | 68-90 | 23 | 54 | CC.. 1204.. | 114,00 € |
| AKSR 90-120 | 90-120 | 28 | 70 | FOR ISO | 120,00 € |
| AKSR 120-160 | 120-160 | 33 | 95 | INSERT. | 160,00 € |
| AKSR 160-200 | 160-800 | 33 | 130 | | 131,00 € |




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* Dmin / Dmax | WF | OAL | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|
| AKCR 28-38 | 28-38 | 12.8 | 23 | CC.. 0602.. | 97,00 € |
| AKCR 36-50 | 36-50 | 15.8 | 32 | FOR ISO INSERT. | 102,00 € |
| AKCR 36-50-09 | 36-50 | 15.8 | 32 | CC.. 09T3.. | 102,00 € |
| AKCR 50-68 | 50-68 | 19.7 | 40 | FOR ISO INSERT. | 108,00 € |
| AKCR 50-68-12 | 50-68 | 19.7 | 40 | CC.. 1204.. | 108,00 € |
| AKCR 68-90 | 68-90 | 22.7 | 54 | FOR ISO INSERT. | 114,00 € |
| AKCR 90-120 | 90-120 | 27.7 | 70 | | 120,00 € |
| AKCR 120-160 | 120-160 | 32.7 | 95 | | 126,00 € |
| AKCR 160-200 | 160-800 | 32.7 | 130 | | 131,00 € |

## HELIX CHAMFER MILLING TOOLS / *HELIX-FASFRÄSE*

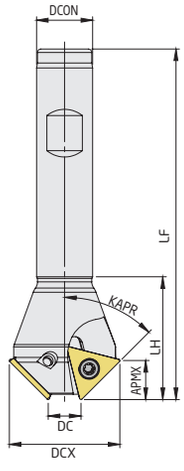
| CODE / *TYP* | ZEFP Total | ZEFP Effective | TOOL DIMENSIONS (mm) *MAß* KAPR | DC | DCX | DCON | APMX | LF | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| AHM15-AP16-D35x93-A27-Z0306-H | 6 | 3 | 15 | 35 | 93 | 27 | 8 | 50 | 378,00 € |
| AHM30-AP16-D35x87-A27-Z0306-H | 6 | 3 | 30 | 35 | 87 | 27 | 15 | 50 | 378,00 € |
| AHM45-AP16-D35x77-A27-Z0306-H | 6 | 3 | 45 | 35 | 77 | 27 | 21.5 | 50 | 378,00 € |
| AHM60-AP16-D35x65-A22-Z0306-H | 6 | 3 | 60 | 35 | 65 | 22 | 26.5 | 50 | 378,00 € |
| AHM75-AP16-D35x50-A22-Z0306-H | 6 | 3 | 75 | 35 | 50 | 22 | 29.5 | 50 | 378,00 € |

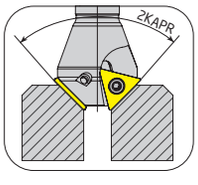
## COUNTERSINK MILLING TOOL FOR CYLINDRICAL ALLEN HEAD SCREWS (DIN 974-1)
*SENKWERKZEUG FÜR ZYLINDERKOPFSCHRAUBEN (DIN 974-1)*

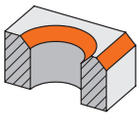
| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | DCX | DCON | LH | LF | For Screws | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| ACBM-CC06-D17X6-W16-L150-Z02 | 6 | 17 | 16 | 30 | 150 | - | 120,00 € |
| ACBM-CC06-D18X7-W16-L100-Z02-H | 7 | 18 | 16 | 32 | 100 | M10 | 97,00 € |
| ACBM-CC06-D18X7-W16-L160-Z02-H | 7 | 18 | 16 | 32 | 160 | M10 | 128,00 € |
| ACBM-CC06-D20X9-W20-L100-Z02-H | 9 | 20 | 20 | 40 | 100 | M12 | 102,00 € |
| ACBM-CC06-D20X9-W20-L160-Z02-H | 9 | 20 | 20 | 38 | 160 | M12 | 137,00 € |
| ACBM-CC09-D26X8.5-W25-L130-Z02-H | 8.5 | 26 | 25 | 50 | 130 | M16 | 108,00 € |
| ACBM-CC09-D26X8.5-W25-L200-Z02 | 8.5 | 26 | 25 | 50 | 200 | M16 | 173,00 € |
| ACBM-CC09-D26X8.5-W25-L200-Z02-H | 8.5 | 26 | 25 | 50 | 200 | M16 | 173,00 € |
| ACBM-CC09-D30X12.5-W32-L130-Z02-H | 12.5 | 30 | 32 | 65 | 130 | - | 120,00 € |
| ACBM-CC09-D33X15.5-W32-L130-Z02-H | 15.5 | 33 | 32 | 65 | 130 | M20 | 120,00 € |
| ACBM-CC09-D33X15.5-W32-L200-Z02 | 15.5 | 33 | 32 | 65 | 200 | M20 | 196,00 € |
| ACBM-CC09-D33X15.5-W32-L200-Z02-H | 15.5 | 33 | 32 | 65 | 200 | M20 | 196,00 € |
| ACBM-SP06-D15X4-W16-L160-Z02-H | 4 | 15 | 16 | 80 | 160 | M8 | 128,00 € |

Ordering Example/*Beispiel Bestellformular:* 1pcs. AKSR 18-22

## CHAMFERING TOOLS / *FASENFRÄSER*



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* KAPR | DC | DCX | DCON | LF | LH | ZEFP | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|---|
| ACM10-TC16-D17X22-W16-L90-Z01 | 10° | 17 | 22 | 16 | 90 | 30 | 1 | 15.2 | | 66,00 € |
| ACM15-TC16-D17X24-W16-L90-Z01 | 15° | 17 | 24 | 16 | 90 | 30 | 1 | 14.9 | | 66,00 € |
| ACM15-TC16-D22X29-W16-L100-Z01 | 15° | 22 | 29 | 16 | 100 | 30 | 1 | 14.9 | | 66,00 € |
| ACM15-TC16-D30X37-W20-L100-Z02 | 15° | 30 | 37 | 20 | 100 | 35 | 2 | 14.9 | | 97,00 € |
| ACM15-TC16-D35X42-W20-L100-Z03 | 15° | 35 | 42 | 20 | 100 | 38 | 3 | 14.9 | | 108,00 € |
| ACM15-TC16-D52X59-W25-L110-Z03 | 15° | 52 | 59 | 25 | 110 | 40 | 3 | 14.9 | | 108,00 € |
| ACM17.5-TC16-D17X25-W16-L90-Z01 | 17.5° | 17 | 25 | 16 | 90 | 30 | 1 | 14.7 | | 66,00 € |
| ACM18.5-TC16-D21.3X30-W20-L100-Z02 | 18.5° | 21.3 | 30 | 20 | 100 | 30 | 2 | 13.5 | | 66,00 € |
| ACM20-TC16-D12X22-W16-L100-Z01 | 20° | 12 | 22 | 16 | 100 | 30 | 1 | 14.4 | | 66,00 € |
| ACM20-TC16-D17X27-W16-L100-Z01 | 20° | 17 | 27 | 16 | 100 | 30 | 1 | 14.4 | | 66,00 € |
| ACM20-TC16-D23X33-W20-L100-Z02 | 20° | 23 | 33 | 20 | 100 | 30 | 2 | 14.4 | | 97,00 € |
| ACM20-TC16-D28X38-W20-L100-Z02 | 20° | 28 | 38 | 20 | 100 | 35 | 2 | 14.4 | TC.T 16T304 | 97,00 € |
| ACM20-TC16-D35X45-W20-L100-Z03 | 20° | 35 | 45 | 20 | 100 | 40 | 3 | 14.4 | FOR ISO | 108,00 € |
| ACM20-TC16-D39X49-W20-L100-Z03 | 20° | 39 | 49 | 20 | 100 | 40 | 3 | 14.4 | INSERT. | 108,00 € |
| ACM20-TC16-D45X55-W25-L110-Z03 | 20° | 45 | 55 | 25 | 110 | 40 | 3 | 14.4 | | 108,00 € |
| ACM20-TC16-D51X61-W25-L110-Z03 | 20° | 51 | 61 | 25 | 110 | 40 | 3 | 14.4 | | 108,00 € |
| ACM22.5-TC16-D17X28-W16-L100-Z01 | 22.5° | 17 | 28 | 16 | 100 | 30 | 1 | 14.2 | | 66,00 € |
| ACM25-TC16-D17X29-W16-L100-Z01 | 25° | 17 | 29 | 16 | 100 | 30 | 1 | 13.9 | | 66,00 € |
| ACM30-TC16-D6X20-W16-L100-Z01 | 30° | 6 | 20 | 16 | 100 | 30 | 1 | 13.3 | | 66,00 € |
| ACM30-TC16-D15X30-W16-L100-Z01 | 30° | 15 | 30 | 16 | 100 | 30 | 1 | 13.3 | | 66,00 € |
| ACM30-TC16-D17.5X32.5-W20-L100-Z02 | 30° | 17.5 | 32.5 | 20 | 100 | 30 | 2 | 13.3 | | 66,00 € |
| ACM30-TC16-D20X35-W16-L100-Z02 | 30° | 20 | 35 | 16 | 100 | 35 | 2 | 13.3 | | 66,00 € |
| ACM30-TC16-D30X45-W20-L100-Z02 | 30° | 30 | 45 | 20 | 100 | 40 | 2 | 13.3 | | 66,00 € |
| ACM30-TC16-D35X50-W20-L100-Z03 | 30° | 35 | 50 | 20 | 100 | 40 | 3 | 13.3 | | 108,00 € |
| ACM30-TC16-D45X60-W25-L110-Z03 | 30° | 45 | 60 | 25 | 110 | 40 | 3 | 13.3 | | 108,00 € |
| ACM40-TC16-D18X37-W20-L100-Z02 | 40° | 18 | 37 | 20 | 100 | 40 | 2 | 11.7 | | 66,00 € |
| ACM45-TC09-D7X18-W16-L100-Z02 | 45° | 7 | 18 | 16 | 100 | 25 | 2 | 5.9 | TC.T 090204 | 66,00 € |
| ACM45-TC11-D11X24-W16-L100-Z02 | 45° | 11 | 24 | 16 | 100 | 25 | 2 | 6.9 | TC.T 110204 | 66,00 € |
| ACM45-TC16-D5X26-W16-L100-Z01 | 45° | 5 | 26 | 16 | 100 | 30 | 1 | 10.8 | | 66,00 € |
| ACM45-TC16-D10X31-W16-L100-Z02 | 45° | 10 | 31 | 16 | 100 | 35 | 2 | 10.8 | | 66,00 € |
| ACM45-TC16-D10X31-W20-L100-Z02 | 45° | 10 | 31 | 20 | 100 | 35 | 2 | 10.8 | | 66,00 € |
| ACM45-TC16-D18X39-W16-L100-Z02 | 45° | 18 | 39 | 16 | 100 | 40 | 2 | 10.8 | | 66,00 € |
| ACM45-TC16-D18X39-W20-L100-Z02 | 45° | 18 | 39 | 20 | 100 | 40 | 2 | 10.8 | TC.T 16T304 | 66,00 € |
| ACM45-TC16-D20X41-W20-L100-Z02 | 45° | 20 | 41 | 20 | 100 | 40 | 2 | 10.8 | FOR ISO | 66,00 € |
| ACM45-TC16-D30X51-W20-L100-Z02 | 45° | 30 | 51 | 20 | 100 | 40 | 2 | 10.8 | INSERT. | 66,00 € |
| ACM50-TC16-D16X39-W20-L100-Z03 | 50° | 16 | 39 | 20 | 100 | 40 | 3 | 9.8 | | 66,00 € |
| ACM55-TC16-D16X40-W20-L100-Z03 | 55° | 16 | 40 | 20 | 100 | 40 | 3 | 8.7 | | 108,00 € |
| ACM62-TC16-D14X40-W20-L100-Z03 | 62° | 14 | 40 | 20 | 100 | 40 | 3 | 7.1 | | 108,00 € |
| ACM72-TC16-D14X42-W20-L100-Z03 | 72° | 14 | 42 | 20 | 100 | 40 | 3 | 4.6 | | 108,00 € |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| ACM45-SP1104-D12x26-W20-L150-Z01 | 45° | 12 | 26 | 20 | 150 | 30 | 1 | - | SPGT | 81,00 € |
| ACM45-SP1104-D25x39-W25-L150-Z02 | 45° | 25 | 39 | 25 | 150 | 35 | 2 | - | 110408 | 102,00 € |
| ACM45-SP1104-D32x46-W32-L150-Z03 | 45° | 32 | 46 | 32 | 150 | 40 | 3 | - | FOR ZCC | 123,00 € |
| | | | | | | | | | INSERT. | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ACM10-TC16-D17X22-W16-L90-Z01

## END MILLS / *WP - SCHAFTFRÄSER*

90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AD07-D10-C08-L90-Z02-H | 10 | 2 | 8 | 90 | 16 | 6 | ADMX 0702.. | 157,00 € |
| AEM90-AD07-D10-C10-L80-Z02-H | 10 | 2 | 10 | 80 | 16 | 6 | FOR PRMT | 127,00 € |
| AEM90-AD07-D12-C10-L80-Z03-H | 12 | 3 | 10 | 80 | 18 | 6 | INSERT. | 159,00 € |
| AEM90-AD07-D12-C12-L90-Z03-H | 12 | 3 | 12 | 90 | 18 | 6 | | 156,00 € |
| AEM90-AD07-D16-C16-L110-Z04-H | 16 | 4 | 16 | 110 | 19 | 6 | | 200,00 € |
| AEM90-AD07-D20-C20-L125-Z05-H | 20 | 5 | 20 | 125 | 20 | 6 | | 251,00 € |
| AEM90-AD07-D25-C25-L140-Z06-H | 25 | 6 | 25 | 140 | 24 | 6 | | 304,00 € |
| AEM90-AD11-D16-C16-L135-Z02-H | 16 | 2 | 16 | 135 | 24 | 9 | | 112,00 € |
| AEM90-AD11-D18-C16-L135-Z02-H | 18 | 2 | 16 | 135 | 15 | 9 | | 112,00 € |
| AEM90-AD11-D18-C16-L160-Z02-H | 18 | 2 | 16 | 160 | 15 | 9 | | 135,00 € |
| AEM90-AD11-D20-C20-L150-Z02-H | 20 | 2 | 20 | 150 | 50 | 9 | | 127,00 € |
| AEM90-AD11-D20-C20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 9 | | 152,00 € |
| AEM90-AD11-D22-C20-L150-Z03-H | 22 | 3 | 20 | 150 | 15 | 9 | ADMX 11T30.. | 152,00 € |
| AEM90-AD11-D22-C20-L200-Z03-H | 22 | 3 | 20 | 200 | 15 | 9 | FOR PRMT | 227,00 € |
| AEM90-AD11-D25-C25-L170-Z03-H | 25 | 3 | 25 | 170 | 50 | 9 | INSERT. | 205,00 € |
| AEM90-AD11-D25-C25-L170-Z04-H | 25 | 4 | 25 | 170 | 50 | 9 | | 228,00 € |
| AEM90-AD11-D28-C25-L165-Z04-H | 28 | 4 | 25 | 165 | 17 | 9 | | 194,00 € |
| AEM90-AD11-D28-C25-L200-Z04-H | 28 | 4 | 25 | 200 | 17 | 9 | | 263,00 € |
| AEM90-AD11-D30-C25-L165-Z04-H | 30 | 4 | 25 | 165 | 19 | 9 | | 194,00 € |
| AEM90-AD11-D30-C25-L200-Z04-H | 30 | 4 | 25 | 200 | 19 | 9 | | 263,00 € |
| AEM90-AD11-D32-C32-L195-Z05-H | 32 | 5 | 32 | 195 | 50 | 9 | | 281,00 € |

90°

| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT | PRICE |
|---|---|---|---|---|---|---|---|---|
| AEM90-AD1505-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 15 | AD.. 1505.. | 125,00 € |
| AEM90-AD1505-D30-W25-L150-Z03 | 30 | 3 | 25 | 150 | 50 | 15 | FOR ISCR | 142,00 € |
| AEM90-AD1505-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 15 | INSERT. | 142,00 € |

90°

| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT | PRICE |
|---|---|---|---|---|---|---|---|---|
| AEM90-AD0803-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 30 | 8 | | 102,00 € |
| AEM90-AD0803-D17-W16-L150-Z02 | 17 | 2 | 16 | 150 | 30 | 8 | ADMT 0803.. | 102,00 € |
| AEM90-AD0803-D17-W16-L200-Z02 | 17 | 2 | 16 | 200 | 30 | 8 | FOR WLTR | 144,00 € |
| AEM90-AD0803-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 30 | 8 | INSERT. | 123,00 € |
| AEM90-AD0803-D21-W20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | 8 | | 194,00 € |
| AEM90-AD10T3-D16-W16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 10 | | 102,00 € |
| AEM90-AD10T3-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 40 | 10 | | 102,00 € |
| AEM90-AD10T3-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 50 | 10 | | 144,00 € |
| AEM90-AD10T3-D17-W16-L150-Z02 | 17 | 2 | 16 | 150 | 30 | 10 | | 102,00 € |
| AEM90-AD10T3-D17-W16-L200-Z02 | 17 | 2 | 16 | 200 | 30 | 10 | | 144,00 € |
| AEM90-AD10T3-D20-W20-L70-Z03 | 20 | 3 | 20 | 70 | 30 | 10 | ADMT 10T3.. | 111,00 € |
| AEM90-AD10T3-D20-W20-L100-Z03-H | 20 | 3 | 20 | 100 | 30 | 10 | FOR WLTR | 123,00 € |
| AEM90-AD10T3-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 30 | 10 | INSERT. | 123,00 € |
| AEM90-AD10T3-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 40 | 10 | | 123,00 € |
| AEM90-AD10T3-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 40 | 10 | | 199,00 € |
| AEM90-AD10T3-D25-W25-L100-Z03-H | 25 | 3 | 25 | 100 | 30 | 10 | | 127,00 € |
| AEM90-AD10T3-D25-W25-L100-Z04-H | 25 | 4 | 25 | 100 | 30 | 10 | | 152,00 € |
| AEM90-AD10T3-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 127,00 € |
| AEM90-AD1204-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | 12 | | 111,00 € |
| AEM90-AD1204-D21-C20-L150-Z02 | 21 | 2 | 20 | 150 | 30 | 12 | ADMT 1204.. | 111,00 € |
| AEM90-AD1204-D22-C20-L150-Z02 | 22 | 2 | 20 | 150 | 30 | 12 | FOR WLTR | 111,00 € |
| AEM90-AD1204-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 12 | INSERT. | 129,00 € |
| AEM90-AD1204-D26-W25-L180-Z03 | 26 | 3 | 25 | 180 | 35 | 12 | | 181,00 € |
| AEM90-AD1204-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 12 | | 146,00 € |
| AEM90-AD1606-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 15 | ADMT 1606.. | 129,00 € |
| AEM90-AD1606-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 15 | FOR WLTR | 146,00 € |
| | | | | | | | INSERT. | |

90°

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AD07-D10-C08-L90-Z02-H

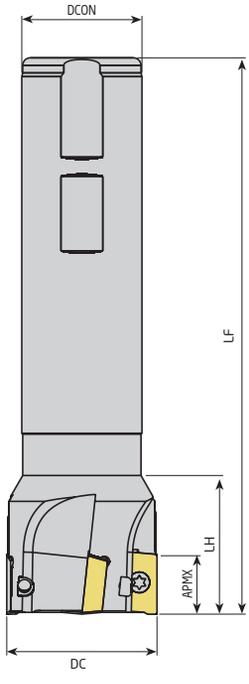
## END MILLS / *WP - SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| 90° | AEM90-AD1003-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 30 | 8 | | 102,00 € |
| | AEM90-AD1003-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 25 | 8 | | 102,00 € |
| | AEM90-AD1003-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 50 | 8 | ADMT 1003.. | 185,00 € |
| | AEM90-AD1003-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 25 | 8 | FOR DJT | 114,00 € |
| | AEM90-AD1003-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 25 | 8 | INSERT. | 185,00 € |
| | AEM90-AD1003-D25-C25-L200-Z03 | 25 | 3 | 25 | 200 | 50 | 8 | | 197,00 € |
| | AEM90-AD1003-D26-C25-L150-Z03 | 26 | 3 | 25 | 150 | 30 | 8 | | 114,00 € |
| | AEM90-AD1003-D26-C25-L200-Z03 | 26 | 3 | 25 | 200 | 30 | 8 | | 182,00 € |
| | AEM90-AD1505D-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 14.3 | ADKT 150508 | 125,00 € |
| | AEM90-AD1505D-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 14.3 | FOR DJT | 142,00 € |
| | | | | | | | | INSERT. | |
| 90° | AEM90-AN11-D22-W20-L150-Z02 | 22 | 2 | 20 | 150 | 30 | 11 | | 134,00 € |
| | AEM90-AN11-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 40 | 11 | | 117,00 € |
| | AEM90-AN11-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 40 | 11 | | 175,00 € |
| | AEM90-AN11-D26-W25-L150-Z02 | 26 | 2 | 25 | 150 | 40 | 11 | ANGX 110508 | 141,00 € |
| | AEM90-AN11-D28-W25-L150-Z02 | 28 | 2 | 25 | 150 | 25 | 11 | FOR ZCC | 120,00 € |
| | AEM90-AN11-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 11 | INSERT. | 137,00 € |
| | AEM90-AN11-D32-C32-L200-Z03 | 32 | 3 | 32 | 200 | 50 | 11 | | 204,00 € |
| | AEM90-AN11-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 40 | 11 | | 156,00 € |
| 90° | AEM90-AN1207-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 40 | 10 | ANKX 1207.. | 134,00 € |
| | AEM90-AN1207-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 10 | FOR XTC-GSC | 137,00 € |
| | AEM90-AN1207-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 40 | 10 | INSERT. | 156,00 € |
| 90° | AEM90-AN1607-D32-C25-L150-Z02 | 32 | 2 | 25 | 150 | 40 | 15 | AN.X 1607.. | 144,00 € |
| | AEM90-AN1607-D40-C32-L150-Z03 | 40 | 3 | 32 | 150 | 45 | 15 | FOR TGTC | 182,00 € |
| | | | | | | | | INSERT. | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AD1003-D16-C16-L150-Z02

## END MILLS / *WP - SCHAFTFRÄSER*



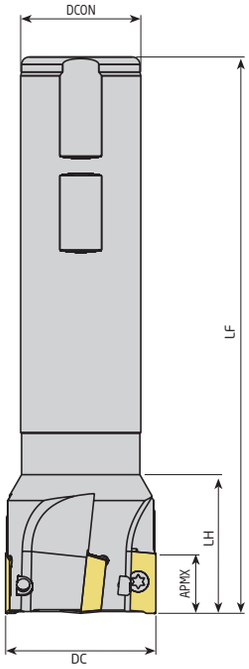

90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AP06-D10-C10-L120-Z02 | 10 | 2 | 10 | 120 | 20 | 5.6 | APMT 0602.. | 140,00 € |
| AEM90-AP06-D12-C12-L120-Z02 | 12 | 2 | 12 | 120 | 20 | 5.6 | FOR KRLY INSERT. | 140,00 € |
| AEM90-AP0903-D12-C16-L080-Z01-H | 12 | 1 | 16 | 80 | 30 | 9 | | 96,00 € |
| AEM90-AP0903-D16-C16-L090-Z02 | 16 | 2 | 16 | 90 | 30 | 9 | | 114,00 € |
| AEM90-AP0903-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 30 | 9 | | 114,00 € |
| AEM90-AP0903-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 30 | 9 | | 114,00 € |
| AEM90-AP0903-D18-C16-L090-Z02-H | 18 | 2 | 16 | 90 | 30 | 9 | APMT 0903.. | 114,00 € |
| AEM90-AP0903-D20-C20-L110-Z03 | 20 | 3 | 20 | 110 | 30 | 9 | FOR KRLY | 138,00 € |
| AEM90-AP0903-D20-C20-L150-Z02 | 20 | 2 | 20 | 150 | 30 | 9 | INSERT. | 126,00 € |
| AEM90-AP0903-D20-C20-L200-Z02 | 20 | 2 | 20 | 200 | 100 | 9 | | 168,00 € |
| AEM90-AP0903-D21-C20-L150-Z02 | 21 | 2 | 20 | 150 | 30 | 9 | | 126,00 € |
| AEM90-AP0903-D25-C25-L120-Z03 | 25 | 3 | 25 | 120 | 30 | 9 | | 138,00 € |
| AEM90-AP0903-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 30 | 9 | | 138,00 € |
| AEM90-AP0903-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 100 | 9 | | 168,00 € |
| AEM90-AP09-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 8.8 | | 93,00 € |
| AEM90-AP09-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 25 | 8.8 | | 114,00 € |
| AEM90-AP09-D16-W16-L150-Z02-H | 16 | 2 | 16 | 150 | 25 | 8.8 | | 105,00 € |
| AEM90-AP09-D16-C16-L200-Z02-H | 16 | 2 | 16 | 200 | 100 | 8.8 | | 186,00 € |
| AEM90-AP09-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 25 | 8.8 | APKT 09T3.. | 114,00 € |
| AEM90-AP09-D17-C16-L180-Z02-H | 17 | 2 | 16 | 180 | 25 | 8.8 | FOR TGTC | 175,00 € |
| AEM90-AP09-D20-C20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 8.8 | INSERT. | 120,00 € |
| AEM90-AP09-D20-C20-L200-Z03-H | 20 | 3 | 20 | 200 | 100 | 8.8 | | 200,00 € |
| AEM90-AP09-D20-C20-L250-Z02-H | 20 | 2 | 20 | 250 | 150 | 8.8 | | 299,00 € |
| AEM90-AP09-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 25 | 8.8 | | 133,00 € |
| AEM90-AP09-D21-C20-L180-Z02-H | 21 | 2 | 20 | 180 | 25 | 8.8 | | 172,00 € |
| AEM90-AP09-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 30 | 8.8 | | 152.00 € |
| AEM90-AP10-D10-C10-L100-Z01 | 10 | 1 | 10 | 100 | 20 | 10 | | 79,00 € |
| AEM90-AP10-D12-C16-L100-Z01-H | 12 | 1 | 16 | 100 | 30 | 10 | | 79,00 € |
| AEM90-AP10-D12-W16-L100-Z01-H | 12 | 1 | 16 | 100 | 30 | 10 | | 79,00 € |
| AEM90-AP10-D12-W16-L150-Z01 | 12 | 1 | 16 | 150 | 38 | 10 | | 79,00 € |
| AEM90-AP10-D14-W16-L100-Z01-H | 14 | 1 | 16 | 100 | 30 | 10 | | 79,00 € |
| AEM90-AP10-D14-W16-L150-Z01 | 14 | 1 | 16 | 150 | 38 | 10 | | 79,00 € |
| AEM90-AP10-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 10 | AP.. 1003.. | 93,00 € |
| AEM90-AP10-D16-W16-L85-Z02-H | 16 | 2 | 16 | 85 | 30 | 10 | FOR ISO | 93,00 € |
| AEM90-AP10-D16-W16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 10 | INSERT. | 93,00 € |
| AEM90-AP10-D16-W16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | 10 | | 105,00 € |
| AEM90-AP10-D16-C16-L120-Z02-H | 16 | 2 | 16 | 120 | 30 | 10 | | 93,00 € |
| AEM90-AP10-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 10 | | 105,00 € |
| AEM90-AP10-D16-C16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | 10 | | 105,00 € |
| AEM90-AP10-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 10 | | 93,00 € |
| AEM90-AP10-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | 10 | | 131,00 € |
| AEM90-AP10-D16-C16-L200-Z02-H | 16 | 2 | 16 | 200 | 100 | 10 | | 165,00 € |
| AEM90-AP10-D16-W16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | 10 | | 131,00 € |
| AEM90-AP10-D16-C16-L250-Z02 | 16 | 2 | 16 | 250 | 50 | 10 | | 222,00 € |
| AEM90-AP10-D17-C16-L150-Z02 | 17 | 2 | 16 | 250 | 150 | 10 | | 93,00 € |
| AEM90-AP10-D18-W16-L100-Z02-H | 18 | 2 | 16 | 100 | 30 | 10 | | 96,00 € |
| AEM90-AP10-D18-W16-L150-Z02 | 18 | 2 | 16 | 150 | 30 | 10 | | 96,00 € |
| AEM90-AP10-D20-C19-L180-Z02 | 20 | 2 | 19 | 180 | 30 | 10 | | 148,00 € |
| AEM90-AP10-D20-C20-L100-Z03-H | 20 | 3 | 20 | 100 | 30 | 10 | | 107,00 € |
| AEM90-AP10-D20-W20-L90-Z03-H | 20 | 3 | 20 | 90 | 30 | 10 | | 107,00 € |
| AEM90-AP10-D20-W20-L100-Z03-H | 20 | 3 | 20 | 100 | 30 | 10 | | 107,00 € |
| AEM90-AP10-D20-C20-L120-Z03-H | 20 | 3 | 20 | 120 | 30 | 10 | | 107,00 € |
| AEM90-AP10-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | | 120,00 € |



Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AP06-D10-C10-L120-Z02

## END MILLS / *WP - SCHAFTFRÄSER*



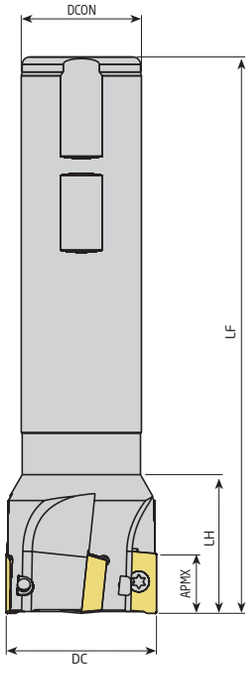

90°

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | AEM90-AP10-D20-C20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 10 | | 120,00 € |
| | AEM90-AP10-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | | 107,00 € |
| | AEM90-AP10-D20-C20-L200-Z02 | 20 | 2 | 20 | 200 | 100 | 10 | | 165,00 € |
| | AEM90-AP10-D20-C20-L200-Z03-H | 20 | 3 | 20 | 200 | 100 | 10 | | 200,00 € |
| | AEM90-AP10-D20-C20-L250-Z02 | 20 | 2 | 20 | 250 | 150 | 10 | | 234,00 € |
| | AEM90-AP10-D20-C20-L250-Z02-H | 20 | 2 | 20 | 250 | 150 | 10 | | 299,00 € |
| NEW | AEM90-AP10-D20.5-C20-L90-Z03 | 20.5 | 3 | 20 | 90 | 30 | 10 | | 107,00 € |
| NEW | AEM90-AP10-D21-C20-L150-Z03 | 21 | 3 | 20 | 200 | 35 | 10 | | 107,00 € |
| | AEM90-AP10-D21-W20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 10 | | 107,00 € |
| | AEM90-AP10-D21-C20-L200-Z03-H | 21 | 3 | 20 | 200 | 35 | 10 | | 200,00 € |
| | AEM90-AP10-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | 10 | | 182,00 € |
| | AEM90-AP10-D22-W20-L100-Z03-H | 22 | 3 | 20 | 100 | 30 | 10 | | 107,00 € |
| | AEM90-AP10-D22-W20-L150-Z03 | 22 | 3 | 20 | 150 | 30 | 10 | | 107,00 € |
| NEW | AEM90-AP10-D22.5-W20-L150-Z03 | 22.5 | 3 | 20 | 150 | 30 | 10 | | 107,00 € |
| | AEM90-AP10-D23-W20-L150-Z03 | 23 | 3 | 20 | 150 | 30 | 10 | | 107,00 € |
| | AEM90-AP10-D24-W20-L150-Z03 | 24 | 3 | 20 | 150 | 30 | 10 | | 107,00 € |
| | AEM90-AP10-D25-W25-L100-Z04-H | 25 | 4 | 25 | 100 | 30 | 10 | AP.. 1003.. | 138,00 € |
| NEW | AEM90-AP10-D25-W25-L95-Z04-H | 25 | 4 | 25 | 95 | 30 | 10 | FOR ISO | 138,00 € |
| | AEM90-AP10-D25-W25-L150-Z04-H | 25 | 4 | 25 | 150 | 50 | 10 | INSERT. | 165,00 € |
| | AEM90-AP10-D25-C25-L100-Z03-H | 25 | 3 | 25 | 100 | 30 | 10 | | 114,00 € |
| | AEM90-AP10-D25-W25-L100-Z03-H | 25 | 3 | 25 | 100 | 30 | 10 | | 114,00 € |
| | AEM90-AP10-D25-C25-L120-Z03-H | 25 | 3 | 25 | 120 | 30 | 10 | | 107,00 € |
| | AEM90-AP10-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 107,00 € |
| | AEM90-AP10-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 114,00 € |
| | AEM90-AP10-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 100 | 10 | | 170,00 € |
| | AEM90-AP10-D25-C25-L200-Z03 | 25 | 3 | 25 | 200 | 100 | 10 | | 182,00 € |
| | AEM90-AP10-D25-C25-L250-Z02 | 25 | 2 | 25 | 250 | 100 | 10 | | 214,00 € |
| | AEM90-AP10-D26-C25-L200-Z04 | 26 | 4 | 25 | 200 | 35 | 10 | | 205,00 € |
| | AEM90-AP10-D30-C25-L100-Z04-H | 30 | 4 | 25 | 100 | 30 | 10 | | 126,00 € |
| | AEM90-AP10-D30-C25-L120-Z04-H | 30 | 4 | 25 | 120 | 30 | 10 | | 126,00 € |
| | AEM90-AP10-D30-C25-L150-Z04 | 30 | 4 | 25 | 150 | 30 | 10 | | 126,00 € |
| | AEM90-AP10-D32-C25-L100-Z04-H | 32 | 4 | 25 | 100 | 35 | 10 | | 126,00 € |
| | AEM90-AP10-D32-C25-L120-Z04-H | 32 | 4 | 25 | 120 | 35 | 10 | | 126,00 € |
| | AEM90-AP10-D32-C25-L150-Z04 | 32 | 4 | 25 | 150 | 35 | 10 | | 126.00 € |
| | AEM90-AP10-D32-W25-L150-Z04 | 32 | 4 | 25 | 150 | 35 | 10 | | 126,00 € |
| NEW | AEM90-AP10-D32-C32-L170-Z04 | 32 | 4 | 32 | 170 | 50 | 10 | | 142,00 € |
| NEW | AEM90-AP10-D32-W25-L105-Z05-H | 32 | 5 | 25 | 105 | 35 | 10 | | 174,00 € |
| | AEM90-AP10-D32-C32-L130-Z05 | 32 | 5 | 32 | 130 | 30 | 10 | | 138,00 € |
| | AEM90-AP10-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 10 | | 126,00 € |
| | AEM90-AP10-D40-W32-L150-Z05 | 40 | 5 | 32 | 150 | 40 | 10 | | 144,00 € |
| | AEM90-AP10D-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 10 | AP.. 1003.. | 93,00 € |
| | AEM90-AP10D-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | FOR DJT | 107,00 € |
| | AEM90-AP10D-D25-W20-L150-Z03 | 25 | 3 | 20 | 150 | 30 | 10 | INSERT. | 114,00 € |
| | AEM90-AP10O-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 30 | 10 | | 99,00 € |
| | AEM90-AP10O-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 10 | AP.. 1003.. | 117,00 € |
| | AEM90-AP10O-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 35 | 10 | FOR B.OKE | 133,00 € |
| | AEM90-AP10O-D33-C32-L200-Z05 | 33 | 5 | 32 | 200 | 50 | 10 | INSERT. | 205,00 € |
| | AEM90-AP10S-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 26 | 10 | AP.. 1003.. | 99,00 € |
| | AEM90-AP10S-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 26 | 10 | FOR SMTM | 105,00 € |
| | AEM90-AP10S-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 26 | 10 | INSERT. | 117,00 € |
| | AEM90-AP11-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 11 | | 93,00 € |
| | AEM90-AP11-D16-C16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | 11 | | 105.00 € |
| | AEM90-AP11-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 11 | AP.. 11T3.. | 93,00 € |
| | AEM90-AP11-D16-W16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | 11 | FOR ZCC | 105,00 € |
| | AEM90-AP11-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | 11 | INSERT. | 131,00 € |
| | AEM90-AP11-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 30 | 11 | | 105,00 € |
| | AEM90-AP11-D17-C16-L200-Z02 | 17 | 2 | 16 | 200 | 30 | 11 | | 144,00 € |
| | AEM90-AP11-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 11 | | 107,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AP10-D20-C20-L150-Z03-H

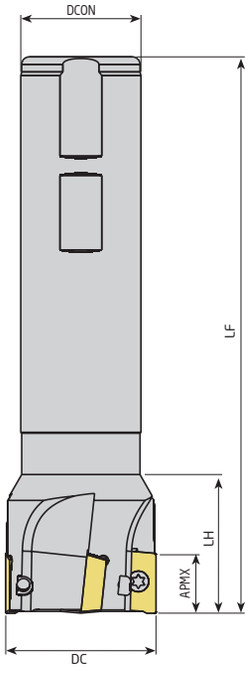
## END MILLS / *WP - SCHAFTFRÄSER*




90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AP11-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 11 | | 107,00 € |
| AEM90-AP11-D20-W20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 11 | | 120,00 € |
| AEM90-AP11-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 100 | 11 | | 175,00 € |
| AEM90-AP11-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 11 | | 107,00 € |
| AEM90-AP11-D21-W20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 11 | | 107,00 € |
| AEM90-AP11-D21-W20-L150-Z03-H | 21 | 3 | 20 | 150 | 30 | 11 | | 120,00 € |
| AEM90-AP11-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | 11 | AP.. 11T3.. | 188,00 € |
| AEM90-AP11-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 11 | FOR ZCC | 114,00 € |
| AEM90-AP11-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 11 | INSERT. | 114,00 € |
| AEM90-AP11-D25-W25-L150-Z03-H | 25 | 3 | 25 | 150 | 50 | 11 | | 126,00 € |
| AEM90-AP11-D26-C25-L150-Z03 | 26 | 3 | 25 | 150 | 35 | 11 | | 126,00 € |
| AEM90-AP11-D26-C24-L150-Z03 | 26 | 3 | 24 | 150 | 47 | 11 | | 126,00 € |
| AEM90-AP11-D32-W25-L150-Z04 | 32 | 4 | 25 | 150 | 35 | 11 | | 126,00 € |
| AEM90-AP11-D32-W32-L150-Z03-H | 32 | 3 | 32 | 150 | 50 | 11 | | 126,00 € |
| AEM90-AP11-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 11 | | 126,00 € |
| AEM90-AP1135A-D14-C16-L150-Z01 | 14 | 1 | 16 | 150 | 40 | 9.5 | | 88,00 € |
| AEM90-AP1135A-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 40 | 9.5 | | 99,00 € |
| AEM90-AP1135A-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | 9.5 | | 152,00 € |
| AEM90-AP1135A-D16-C16-L250-Z02 | 16 | 2 | 16 | 250 | 150 | 9.5 | | 224,00 € |
| AEM90-AP1135A-D17-C16-L180-Z02 | 17 | 2 | 16 | 180 | 30 | 9.5 | APMT 1135.. | 138,00 € |
| AEM90-AP1135A-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 9.5 | FOR ACHTK | 117,00 € |
| AEM90-AP1135A-D20-C20-L200-Z02 | 20 | 2 | 20 | 200 | 100 | 9.5 | INSERT. | 152,00 € |
| AEM90-AP1135A-D21-C20-L180-Z02 | 21 | 2 | 20 | 180 | 30 | 9.5 | | 138,00 € |
| AEM90-AP1135A-D25-C25-L200-Z03 | 25 | 3 | 25 | 200 | 100 | 9.5 | | 195,00 € |
| AEM90-AP1135A-D26-C25-L250-Z02 | 26 | 2 | 25 | 250 | 35 | 9.5 | | 199,00 € |
| AEM90-AP1135A-D33-C32-L250-Z02 | 33 | 2 | 32 | 250 | 35 | 9.5 | | 199,00 € |
| AEM90-AP11O-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 30 | 11 | APMT 1135.. | 99,00 € |
| AEM90-AP11O-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 11 | FOR B.OKE | 117,00 € |
| AEM90-AP11O-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 35 | 11 | INSERT. | 133,00 € |
| AEM90-AP11O-D33-C32-L200-Z05 | 33 | 5 | 32 | 200 | 50 | 11 | | 205,00 € |
| AEM90-APK11G-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 26 | 11 | APKT 1135.. | 99,00 € |
| AEM90-APK11G-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 26 | 11 | FOR XTC-GSC | 117,00 € |
| AEM90-APK11G-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 26 | 11 | INSERT. | 124,00 € |
| AEM90-AP1135-D16-W16-L110-Z02-H | 16 | 2 | 16 | 110 | 30 | 9.5 | | 99,00 € |
| AEM90-AP1135-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 9.5 | | 99,00 € |
| AEM90-AP1135-D20-W20-L125-Z03-H | 20 | 3 | 20 | 125 | 30 | 9.5 | AP.. 1135.. | 117,00 € |
| AEM90-AP1135-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 9.5 | FOR XTC-GSC | 117,00 € |
| AEM90-AP1135-D25-W25-L125-Z04-H | 25 | 4 | 25 | 125 | 30 | 9.5 | INSERT. | 139,00 € |
| AEM90-AP1135-D25-W25-L200-Z04-H | 25 | 4 | 25 | 200 | 100 | 9.5 | | 208,00 € |
| AEM90-AP1135-D32-W32-L125-Z05-H | 32 | 5 | 32 | 125 | 30 | 9.5 | | 143,00 € |
| AEM90-AP1135-D32-W32-L200-Z04-H | 32 | 4 | 32 | 200 | 100 | 9.5 | | 226,00 € |
| AEM90-AP1135Y-D16-C16-L120-Z02-H | 16 | 2 | 16 | 120 | 30 | 9.5 | | 162,00 € |
| AEM90-AP1135Y-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 9.5 | | 99,00 € |
| AEM90-AP1135Y-D17-C16-L150-Z02 | 17 | 2 | 20 | 150 | 30 | 9.5 | | 99,00 € |
| AEM90-AP1135Y-D20-C20-L120-Z02 | 20 | 2 | 20 | 120 | 30 | 9.5 | APMT 1135.. | 107,00 € |
| AEM90-AP1135Y-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 9.5 | FOR YG | 117,00 € |
| AEM90-AP1135Y-D21-C20-L150-Z03 | 21 | 3 | 25 | 150 | 30 | 9.5 | INSERT. | 117,00 € |
| AEM90-AP1135Y-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 35 | 9.5 | | 124,00 € |
| AEM90-AP1135Y-D25-C25-L150-Z04-H | 25 | 4 | 25 | 150 | 30 | 9.5 | | 256,00 € |
| AEM90-AP1135Y-D26-C25-L150-Z03 | 26 | 3 | 25 | 150 | 35 | 9.5 | | 124,00 € |
| AEM90-AP1135Y-D32-W25-L110-Z04 | 32 | 4 | 25 | 110 | 35 | 9.5 | | 175,00 € |

## END MILLS / *WP - SCHAFTFRÄSER*




90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AP1204-D20-C20-L150-Z02 | 20 | 2 | 20 | 150 | 30 | 16 | | 139,00 € |
| AEM90-AP1204-D21-C20-L150-Z02 | 21 | 2 | 20 | 150 | 30 | 16 | AP.. 1204.. | 139,00 € |
| AEM90-AP1204-D21-C20-L200-Z02 | 21 | 2 | 20 | 200 | 30 | 16 | FOR TGTC | 200,00 € |
| NEW AEM90-AP1204-D22-C20-L200-Z02 | 22 | 2 | 20 | 200 | 30 | 12 | INSERT. | 200,00 € |
| AEM90-AP1204-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 40 | 16 | | 129,00 € |
| NEW AEM90-AP1204-D25-C25-L250-Z03 | 25 | 3 | 25 | 250 | 40 | 12 | | 152,00 € |
| AEM90-AP1204-D26-C25-L250-Z02 | 26 | 2 | 25 | 250 | 35 | 16 | | 276,00 € |
| AEM90-AP1204-D32-C25-L150-Z03 | 32 | 3 | 25 | 150 | 35 | 16 | | 157,00 € |
| AEM90-AP16-D25-C20-L100-Z02 | 25 | 2 | 20 | 100 | 35 | 16 | | 107,00 € |
| AEM90-AP16-D25-W25-L100-Z02-H | 25 | 2 | 25 | 100 | 35 | 16 | | 107,00 € |
| AEM90-AP16-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 16 | | 107,00 € |
| AEM90-AP16-D25-C25-L250-Z02 | 25 | 2 | 25 | 250 | 100 | 16 | | 214,00 € |
| AEM90-AP16-D28-W25-L100-Z03-H | 28 | 3 | 25 | 100 | 40 | 16 | | 119,00 € |
| AEM90-AP16-D28-W25-L150-Z03 | 28 | 3 | 25 | 150 | 40 | 16 | | 119,00 € |
| AEM90-AP16-D30-W25-L110-Z03-H | 30 | 3 | 25 | 110 | 40 | 16 | | 119,00 € |
| AEM90-AP16-D30-W25-L150-Z02 | 30 | 2 | 25 | 150 | 40 | 16 | AP.. 1604.. | 114,00 € |
| AEM90-AP16-D30-W25-L150-Z03 | 30 | 3 | 25 | 150 | 40 | 16 | FOR ISO | 119,00 € |
| AEM90-AP16-D32-W32-L110-Z03-H | 32 | 3 | 32 | 110 | 40 | 16 | INSERT. | 119,00 € |
| AEM90-AP16-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 16 | | 119,00 € |
| AEM90-AP16-D32-W25-L150-Z03 | 32 | 3 | 25 | 150 | 40 | 16 | | 119,00 € |
| AEM90-AP16-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 16 | | 119,00 € |
| AEM90-AP16-D32-W32-L150-Z03-H | 32 | 3 | 32 | 150 | 50 | 16 | | 143,00 € |
| AEM90-AP16-D32-C25-L200-Z03-H | 32 | 3 | 25 | 200 | 40 | 16 | | 192,00 € |
| AEM90-AP16-D32-C32-L250-Z02 | 32 | 3 | 32 | 250 | 100 | 16 | | 214,00 € |
| AEM90-AP16-D32-C32-L250-Z03 | 32 | 3 | 32 | 250 | 100 | 16 | | 237,00 € |
| AEM90-AP16-D35-W32-L150-Z03 | 35 | 3 | 32 | 150 | 40 | 16 | | 125,00 € |
| AEM90-AP16-D36-W32-L110-Z03-H | 36 | 3 | 32 | 110 | 40 | 16 | | 125,00 € |
| AEM90-AP16-D36-W32-L150-Z03 | 36 | 3 | 32 | 150 | 40 | 16 | | 125,00 € |
| AEM90-AP16-D40-W32-L110-Z04-H | 40 | 4 | 32 | 110 | 40 | 16 | | 137,00 € |
| AEM90-AP16-D40-C32-L150-Z04 | 40 | 4 | 32 | 150 | 40 | 16 | | 137,00 € |
| AEM90-AP16-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 40 | 16 | | 137,00 € |
| AEM90-AP16-D40-C32-L250-Z02 | 40 | 2 | 32 | 250 | 40 | 16 | | 225,00 € |
| AEM90-AP16-D40-C32-L250-Z04 | 40 | 4 | 32 | 250 | 40 | 16 | | 273,00 € |
| AEM90-AP16DJ-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 16 | AP.. 1604.. | 107,00 € |
| AEM90-AP16DJ-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 50 | 16 | FOR DJT | 165,00 € |
| AEM90-AP16DJ-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 16 | INSERT. | 119,00 € |
| AEM90-AP16DJ-D32-C32-L180-Z03 | 32 | 3 | 32 | 180 | 50 | 16 | | 205,00 € |
| AEM90-AP16DJ-D32-C32-L200-Z03 | 32 | 3 | 32 | 200 | 40 | 16 | | 179,00 € |
| AEM90-AP16D-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 16 | AP.. 1604.. | 107,00 € |
| AEM90-AP16DJ-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 50 | 16 | FOR DJT | 165,00 € |
| AEM90-AP16DJ-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 16 | INSERT. | 119,00 € |
| AEM90-AP16DJ-D32-C32-L180-Z03 | 32 | 3 | 32 | 180 | 50 | 16 | | 205,00 € |
| AEM90-AP16DJ-D32-C32-L200-Z03 | 32 | 3 | 32 | 200 | 50 | 16 | | 192,00 € |
| AEM90-AP16L-D25-C25-L120-Z02-H | 25 | 2 | 25 | 120 | 45 | 16 | | 107,00 € |
| AEM90-AP16L-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 55 | 16 | | 107,00 € |
| AEM90-AP16L-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 55 | 16 | | 159,00 € |
| AEM90-AP16L-D25-C25-L250-Z02 | 25 | 2 | 25 | 250 | 100 | 16 | | 214,00 € |
| AEM90-AP16L-D30-W25-L120-Z03-H | 30 | 3 | 25 | 120 | 40 | 16 | | 119,00 € |
| AEM90-AP16L-D32-C32-L120-Z03-H | 32 | 3 | 32 | 120 | 45 | 16 | AP.. 1604.. | 119,00 € |
| AEM90-AP16L-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 55 | 16 | FOR LMNA | 119,00 € |
| AEM90-AP16L-D32-C32-L200-Z03 | 32 | 3 | 32 | 200 | 55 | 16 | INSERT. | 175,00 € |
| AEM90-AP16L-D32-C32-L250-Z03 | 32 | 3 | 32 | 250 | 100 | 16 | | 237,00 € |
| AEM90-AP16L-D40-C32-L120-Z04-H | 40 | 4 | 32 | 120 | 40 | 16 | | 137,00 € |



Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AP1204-D20-C20-L150-Z02

## END MILLS / *WP - SCHAFTFRÄSER*

90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AP16L-D40-C32-L150-Z04 | 40 | 4 | 32 | 150 | 40 | 16 | AP.. 1604.. | 137,00 € |
| AEM90-AP16L-D40-C32-L200-Z04 | 40 | 4 | 32 | 200 | 40 | 16 | FOR LMNA | 201,00 € |
| AEM90-AP16L-D40-C32-L250-Z04 | 40 | 4 | 32 | 250 | 40 | 16 | INSERT. | 273,00 € |
| AEM90-AP16P-D25-W25-L100-Z02-H | 25 | 2 | 25 | 100 | 35 | 16 | | 107,00 € |
| AEM90-AP16P-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 16 | AP.. 1604.. | 107,00 € |
| AEM90-AP16P-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 16 | FOR PLBT | 119,00 € |
| AEM90-AP16P-D32-C32-L250-Z02 | 32 | 2 | 32 | 250 | 100 | 16 | INSERT. | 214,00 € |
| AEM90-AP16P-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 50 | 16 | | 137,00 € |
| AEM90-AP16Y-D25-C20-L100-Z02-H | 25 | 2 | 20 | 100 | 35 | 16 | AP.. 1604.. | 119,00 € |
| AEM90-AP16Y-D25-C25-L120-Z02 | 25 | 2 | 25 | 120 | 50 | 16 | FOR YG | 141,00 € |
| AEM90-AP16Y-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 16 | INSERT. | 119,00 € |
| AEM90-AP16Y-D25-C25-L250-Z02 | 25 | 2 | 25 | 250 | 100 | 16 | | 214,00 € |
| AEM90-AP1705-D25-C25-L120-Z02 | 25 | 2 | 25 | 120 | 40 | 16 | | 157,00 € |
| AEM90-AP1705-D26-C25-L200-Z02 | 26 | 2 | 25 | 200 | 40 | 16 | | 232,00 € |
| AEM90-AP1705-D26-C25-L250-Z02 | 26 | 2 | 25 | 250 | 40 | 16 | AP.. 1705.. | 306,00 € |
| AEM90-AP1705-D26-C25-L300-Z02 | 26 | 2 | 25 | 300 | 40 | 16 | FOR TGTC-LMNA | 347,00 € |
| AEM90-AP1705-D28-W25-L075-Z02 | 28 | 2 | 25 | 75 | 20 | 16 | INSERT. | 158,00 € |
| AEM90-AP1705-D32-C25-L150-Z03 | 32 | 3 | 25 | 150 | 40 | 16 | | 170,00 € |
| AEM90-AP1705-D33-C32-L250-Z03 | 33 | 3 | 32 | 250 | 40 | 16 | | 350,00 € |
| AEM90-AP1705-D33-C32-L300-Z02 | 33 | 2 | 32 | 300 | 40 | 16 | | 357,00 € |

90°

| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AO1236-D16-C16-L85-Z02-H | 16 | 2 | 16 | 85 | 30 | 12 | | 133,00 € |
| AEM90-AO1236-D16-C16-L160-Z02-H | 16 | 2 | 16 | 160 | 25 | 10 | | 157,00 € |
| AEM90-AO1236-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 12 | | 133,00 € |
| NEW AEM90-AO1236-D17-C16-L150-Z02-H | 17 | 2 | 16 | 150 | 25 | 10 | | 170,00 € |
| NEW AEM90-AO1236-D18-C16-L160-Z02-H | 18 | 2 | 16 | 160 | 25 | 10 | | 157,00 € |
| AEM90-AO1236-D20-C20-L100-Z02 | 20 | 2 | 20 | 100 | 30 | 12 | | 144,00 € |
| AEM90-AO1236-D20-C20-L100-Z02-H | 20 | 2 | 20 | 100 | 30 | 12 | | 144,00 € |
| NEW AEM90-AO1236-D20-C20-L160-Z03-H | 20 | 3 | 20 | 160 | 30 | 10 | | 183,00 € |
| NEW AEM90-AO1236-D21-C20-L220-Z03-H | 21 | 3 | 20 | 220 | 30 | 10 | AO.. 1236.. | 268,00 € |
| NEW AEM90-AO1236-D22-C20-L160-Z03-H | 22 | 3 | 20 | 160 | 30 | 10 | FOR MTSBH | 183,00 € |
| AEM90-AO1236-D25-C25-L115-Z02 | 25 | 2 | 25 | 115 | 50 | 12 | INSERT. | 157,00 € |
| AEM90-AO1236-D25-C25-L115-Z02-H | 25 | 2 | 25 | 115 | 30 | 12 | | 157,00 € |
| AEM90-AO1236-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 12 | | 162,00 € |
| NEW AEM90-AO1236-D25-C25-L160-Z04-H | 25 | 4 | 25 | 160 | 50 | 10 | | 207,00 € |
| NEW AEM90-AO1236-D26-C25-L150-Z04-H | 26 | 4 | 25 | 150 | 35 | 10 | | 224,00 € |
| NEW AEM90-AO1236-D26-C25-L160-Z04-H | 26 | 4 | 25 | 160 | 35 | 10 | | 207,00 € |
| AEM90-AO1236-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 12 | | 185,00 € |
| NEW AEM90-AO1236-D32-C32-L160-Z05-H | 32 | 5 | 32 | 160 | 50 | 10 | | 235,00 € |

90°

| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AX0602-D10-C09-L120-Z02 | 10 | 2 | 9 | 120 | 15 | 5.7 | | 157,00 € |
| AEM90-AX0602-D10-C10-L080-Z02 | 10 | 2 | 10 | 80 | 20 | 5.7 | | 157,00 € |
| AEM90-AX0602-D10-C10-L120-Z02 | 10 | 2 | 10 | 120 | 20 | 5.7 | | 157,00 € |
| AEM90-AX0602-D12-C11-L120-Z02 | 12 | 2 | 11 | 120 | 15 | 5.7 | | 157,00 € |
| AEM90-AX0602-D12-C12-L080-Z02 | 12 | 2 | 12 | 80 | 20 | 5.7 | AX.T 0602.. | 157,00 € |
| AEM90-AX0602-D12-C12-L120-Z02 | 12 | 2 | 12 | 120 | 20 | 5.7 | FOR TGTC | 157,00 € |
| AEM90-AX0602-D14-C12-L120-Z03 | 14 | 3 | 12 | 120 | 20 | 5.7 | INSERT. | 175,00 € |
| AEM90-AX0602-D16-W16-L120-Z04-H | 16 | 4 | 16 | 120 | 20 | 5.7 | | 135,00 € |
| AEM90-AX0602-D16-W16-L150-Z04-H | 16 | 4 | 16 | 150 | 20 | 5.7 | | 153,00 € |
| AEM90-AX0602-D20-W20-L120-Z05-H | 20 | 5 | 20 | 120 | 25 | 5.7 | | 159,00 € |
| AEM90-AX0602-D20-W20-L150-Z05-H | 20 | 5 | 20 | 150 | 25 | 5.7 | | 175,00 € |
| AEM90-AX0903-D16-C16-L120-Z02 | 16 | 2 | 16 | 120 | 30 | 8.8 | | 114,00 € |
| AEM90-AX0903-D16-C16-L180-Z02 | 16 | 2 | 16 | 180 | 30 | 8.8 | | 170,00 € |
| AEM90-AX0903-D17-C16-L120-Z02 | 17 | 2 | 16 | 120 | 25 | 8.8 | | 114,00 € |
| AEM90-AX0903-D17-C16-L180-Z02 | 17 | 2 | 16 | 180 | 25 | 8.8 | | 170,00 € |
| AEM90-AX0903-D20-C20-L120-Z03 | 20 | 3 | 20 | 120 | 30 | 8.8 | AX.T 0903.. | 139,00 € |
| AEM90-AX0903-D20-C20-L200-Z02 | 20 | 2 | 20 | 200 | 30 | 8.8 | FOR TGTC | 200,00 € |
| AEM90-AX0903-D21-C20-L120-Z03 | 21 | 3 | 20 | 120 | 25 | 8.8 | INSERT. | 139,00 € |
| AEM90-AX0903-D21-C20-L200-Z02 | 21 | 2 | 20 | 200 | 25 | 8.8 | | 200,00 € |
| AEM90-AX0903-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 30 | 8.8 | | 139,00 € |
| AEM90-AX0903-D25-C25-L250-Z02 | 25 | 2 | 25 | 250 | 40 | 8.8 | | 276,00 € |
| AEM90-AX0903-D26-C25-L150-Z03 | 26 | 3 | 25 | 150 | 30 | 8.8 | | 139,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AP16L-D40-C32-L150-Z04

## END MILLS / *WP - SCHAFTFRÄSER*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AX1235-D16-C14-L120-Z02-H | 16 | 2 | 14 | 120 | 25 | 10 | | 131,00 € |
| AEM90-AX1235-D16-C15-L145-Z02-H | 16 | 2 | 15 | 145 | 30 | 10 | | 141,00 € |
| AEM90-AX1235-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 10 | | 131,00 € |
| AEM90-AX1235-D16-C16-L140-Z02-H | 16 | 2 | 16 | 140 | 30 | 10 | | 131,00 € |
| AEM90-AX1235-D16-C16-L145-Z02-H | 16 | 2 | 16 | 145 | 30 | 10 | | 141,00 € |
| AEM90-AX1235-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 30 | 10 | | 131,00 € |
| AEM90-AX1235-D20-C19-L150-Z02-H | 20 | 2 | 19 | 150 | 40 | 10 | | 151,00 € |
| AEM90-AX1235-D20-C20-L110-Z03-H | 20 | 3 | 20 | 110 | 40 | 10 | | 158,00 € |
| AEM90-AX1235-D20-C20-L150-Z02 | 20 | 2 | 20 | 150 | 40 | 10 | AX.T 1235.. | 139,00 € |
| AEM90-AX1235-D20-C20-L150-Z02-H | 20 | 2 | 20 | 150 | 40 | 10 | FOR SMTM | 151,00 € |
| AEM90-AX1235-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 40 | 10 | INSERT. | 158,00 € |
| AEM90-AX1235-D25-C20-L120-Z04-H | 25 | 4 | 20 | 120 | 30 | 10 | | 185,00 € |
| AEM90-AX1235-D25-C20-L150-Z04-H | 25 | 4 | 20 | 150 | 30 | 10 | | 185,00 € |
| AEM90-AX1235-D25-C24-L170-Z02-H | 25 | 2 | 24 | 170 | 50 | 10 | | 168,00 € |
| AEM90-AX1235-D25-C25-L120-Z04-H | 25 | 4 | 25 | 120 | 40 | 10 | | 168,00 € |
| AEM90-AX1235-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 167,00 € |
| AEM90-AX1235-D25-C25-L170-Z02-H | 25 | 2 | 25 | 170 | 50 | 10 | | 168,00 € |
| AEM90-AX1235-D25-W25-L100-Z04-H | 25 | 4 | 25 | 100 | 30 | 10 | | 185,00 € |
| AEM90-AX1235-D32-C32-L130-Z05-H | 32 | 5 | 32 | 130 | 40 | 10 | | 197,00 € |
| AEM90-AX1235-D32-C32-L180-Z02-H | 32 | 2 | 32 | 180 | 50 | 10 | | 175,00 € |
| AEM90-AX1705-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 14 | | 153,00 € |
| AEM90-AX1705-D28-W25-L115-Z02-H | 28 | 2 | 25 | 115 | 35 | 14 | AX.T 1705.. | 162,00 € |
| AEM90-AX1705-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 14 | FOR SMTM | 181,00 € |
| AEM90-AX1705-D32-C32-L180-Z02-H | 32 | 2 | 32 | 180 | 50 | 14 | INSERT. | 199,00 € |

90°

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AEM90-AZ11-D12-W16-L90-Z01 | 12 | 1 | 16 | 90 | 30 | 11 | | 79,00 € |
| AEM90-AZ11-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | 11 | | 131,00 € |
| AEM90-AZ11-D16-W15-L170-Z02 | 16 | 2 | 15 | 170 | 50 | 11 | | 111,00 € |
| AEM90-AZ11-D16-W16-L100-Z02 | 16 | 2 | 16 | 100 | 35 | 11 | | 93,00 € |
| AEM90-AZ11-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 11 | | 93,00 € |
| AEM90-AZ11-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 30 | 11 | | 93,00 € |
| AEM90-AZ11-D17-C16-L180-Z02 | 17 | 2 | 16 | 180 | 50 | 11 | | 135,00 € |
| AEM90-AZ11-D17-W16-L100-Z02 | 17 | 2 | 16 | 100 | 30 | 11 | | 105,00 € |
| AEM90-AZ11-D18-W16-L120-Z02 | 18 | 2 | 16 | 120 | 18 | 11 | | 105,00 € |
| AEM90-AZ11-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 100 | 11 | | 199,00 € |
| AEM90-AZ11-D20-W19-L170-Z03 | 20 | 3 | 19 | 170 | 50 | 11 | AZGT 1135.. | 128,00 € |
| AEM90-AZ11-D20-W20-L110-Z02 | 20 | 2 | 20 | 110 | 35 | 11 | FOR ZCC | 107,00 € |
| AEM90-AZ11-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 11 | INSERT. | 107,00 € |
| AEM90-AZ11-D21-C20-L180-Z03 | 21 | 3 | 20 | 180 | 50 | 11 | | 138,00 € |
| AEM90-AZ11-D21-W20-L110-Z03 | 21 | 3 | 20 | 110 | 35 | 11 | | 107,00 € |
| AEM90-AZ11-D22-C20-L150-Z02 | 22 | 2 | 20 | 150 | 30 | 11 | | 107,00 € |
| AEM90-AZ11-D25-C24-L180-Z04 | 25 | 4 | 24 | 180 | 50 | 11 | | 184,00 € |
| AEM90-AZ11-D25-W25-L110-Z04 | 25 | 4 | 25 | 110 | 40 | 11 | | 162,00 € |
| AEM90-AZ11-D26-C25-L250-Z02 | 26 | 2 | 25 | 250 | 50 | 11 | | 239,00 € |
| AEM90-AZ11-D26-W25-L120-Z03 | 28 | 3 | 25 | 180 | 30 | 11 | | 114,00 € |
| AEM90-AZ11-D26-W25-L120-Z04 | 26 | 3 | 25 | 120 | 40 | 11 | | 151,00 € |
| AEM90-AZ11-D28-C25-L180-Z03 | 26 | 4 | 25 | 120 | 50 | 11 | | 171,00 € |
| AEM90-AZ11-D28-C25-L250-Z02 | 28 | 2 | 25 | 250 | 50 | 11 | | 239,00 € |
| AEM90-AZ11-D33-W32-L130-Z04 | 33 | 4 | 32 | 130 | 50 | 11 | | 130,00 € |

90°

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AX1235-D16-C14-L120-Z02-H

## END MILLS / *WP - SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | AEM90-BD11T3-D16-C15-L180-Z02 | 16 | 2 | 16 | 100 | 30 | 10 | | 134,00 € |
| | AEM90-BD11T3-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 10 | | 102,00 € |
| | AEM90-BD11T3-D16-W16-L100-Z02-H | 16 | 2 | 16 | 150 | 50 | 10 | | 102,00 € |
| | AEM90-BD11T3-D16-W16-L150-Z02 | 16 | 2 | 15 | 180 | 50 | 10 | | 102,00 € |
| | AEM90-BD11T3-D16-C16-L160-Z02-H | 16 | 2 | 16 | 160 | 50 | 10 | | 123,00 € |
| | AEM90-BD11T3-D17-W16-L150-Z02 | 17 | 2 | 16 | 150 | 25 | 10 | | 114,00 € |
| | AEM90-BD11T3-D17-C16-L180-Z02 | 17 | 2 | 16 | 180 | 50 | 10 | | 151,00 € |
| | AEM90-BD11T3-D18-W16-L100-Z02 | 18 | 2 | 16 | 100 | 25 | 10 | | 102,00 € |
| | AEM90-BD11T3-D18-W16-L100-Z02-H | 18 | 2 | 16 | 100 | 25 | 10 | | 102,00 € |
| | NEW AEM90-BD11T3-D20-W16-L61-Z03 | 20 | 3 | 16 | 61 | 26 | 10 | | 123,00 € |
| | AEM90-BD11T3-D20-W20-L81-Z03-H | 20 | 3 | 20 | 81 | 30 | 10 | | 123,00 € |
| | AEM90-BD11T3-D20-W20-L100-Z02-H | 20 | 2 | 20 | 100 | 30 | 10 | | 102,00 € |
| | AEM90-BD11T3-D20-W20-L100-Z03-H | 20 | 3 | 20 | 100 | 30 | 10 | | 123,00 € |
| | AEM90-BD11T3-D20-C20-L110-Z03-H | 20 | 3 | 20 | 110 | 30 | 10 | BDMT 11T3.. | 123,00 € |
| | AEM90-BD11T3-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | 10 | FOR KYCR | 102,00 € |
| | AEM90-BD11T3-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | INSERT. | 123,00 € |
| | AEM90-BD11T3-D20-C20-L170-Z03-H | 20 | 3 | 20 | 170 | 50 | 10 | | 166,00 € |
| | AEM90-BD11T3-D21-W20-L150-Z03 | 21 | 3 | 20 | 150 | 25 | 10 | | 131,00 € |
| | AEM90-BD11T3-D20-W20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 10 | | 146,00 € |
| | AEM90-BD11T3-D21-C20-L200-Z02 | 21 | 2 | 20 | 200 | 25 | 10 | | 187,00 € |
| | AEM90-BD11T3-D22-W20-L090-Z02-H | 22 | 2 | 20 | 90 | 25 | 10 | | 108,00 € |
| | NEW AEM90-BD11T3-D22-W20-L100-Z03-H | 22 | 3 | 20 | 100 | 30 | 10 | | 127,00 € |
| | AEM90-BD11T3-D25-W25-L100-Z03-H | 25 | 3 | 25 | 100 | 30 | 10 | | 127,00 € |
| | AEM90-BD11T3-D25-C20-L120-Z03-H | 25 | 3 | 20 | 120 | 30 | 10 | | 127,00 € |
| | AEM90-BD11T3-D25-C25-L120-Z03-H | 25 | 3 | 25 | 120 | 30 | 10 | | 127,00 € |
| | AEM90-BD11T3-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 127,00 € |
| | AEM90-BD11T3-D26-W25-L150-Z03 | 26 | 3 | 25 | 150 | 35 | 10 | | 131,00 € |
| | AEM90-BD11T3-D26-C25-L250-Z02 | 26 | 2 | 25 | 250 | 35 | 10 | | 282,00 € |
| | AEM90-BD11T3-D32-W32-L110-Z04-H | 32 | 4 | 32 | 110 | 40 | 10 | | 146,00 € |
| | AEM90-BD11T3-D32-C32-L130-Z04-H | 32 | 4 | 32 | 130 | 40 | 10 | | 146,00 € |
| | AEM90-BD11T3-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 10 | | 146,00 € |
| | AEM90-BD11T3-D40-W32-L110-Z04-H | 40 | 4 | 32 | 110 | 35 | 10 | | 192,00 € |
| | AEM90-BD1704-D25-W25-L100-Z02-H | 25 | 2 | 25 | 100 | 35 | 15.7 | | 127,00 € |
| | AEM90-BD1704-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 15.7 | BDMT 1704.. | 127,00 € |
| | AEM90-BD1704-D25-C25-L210-Z02-H | 25 | 2 | 25 | 210 | 100 | 15.7 | FOR KYCR | 212,00 € |
| | AEM90-BD1704-D32-W32-L110-Z03-H | 32 | 3 | 32 | 110 | 40 | 15.7 | INSERT. | 146,00 € |
| | AEM90-BD1704-D32-C32-L130-Z03-H | 32 | 3 | 32 | 130 | 50 | 15.7 | | 146,00 € |
| | AEM90-BD1704-D32-W32-L130-Z03-H | 32 | 3 | 32 | 130 | 40 | 15.7 | | 146,00 € |
| | AEM90-BD1704-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 40 | 15.7 | | 146,00 € |
| | AEM90-BD1704-D40-W32-L110-Z04-H | 40 | 4 | 32 | 110 | 40 | 15.7 | | 167,00 € |
| 90° | AEM90-BD1704-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 40 | 15.7 | | 167,00 € |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | AEM90-ED10T3-D16-W16-L120-Z02 | 16 | 2 | 16 | 120 | 30 | 10 | EDPT 10T3.. | 131,00 € |
| | AEM90-ED10T3-D20-W20-L120-Z02 | 20 | 2 | 20 | 120 | 30 | 10 | FOR KNMTL INSERT. | 131,00 € |
| | AEM90-ED1404-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | 14.5 | EDPT 1404.. | 131,00 € |
| | AEM90-ED1404-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 14.5 | FOR KNMTL | 144,00 € |
| | AEM90-ED1404-D30-C25-L150-Z03 | 30 | 3 | 25 | 150 | 50 | 14.5 | INSERT. | 187,00 € |
| 90° | | | | | | | | | |

## END MILLS / *WP - SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| 90° | AEM90-LN08-D16-W16-L100-Z02-H | 16 | 2 | 16 | 100 | 28 | 8 | | 151,00 € |
| | AEM90-LN08-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 40 | 8 | LNMT 0804.. | 151,00 € |
| | AEM90-LN08-D20-W20-L100-Z03-H | 20 | 3 | 20 | 100 | 28 | 8 | FOR ISCR | 180,00 € |
| | AEM90-LN08-D25-W25-L100-Z03-H | 25 | 3 | 25 | 100 | 30 | 8 | INSERT. | 192,00 € |
| | AEM90-LN08-D32-W32-L110-Z05-H | 32 | 5 | 32 | 110 | 30 | 8 | | 222,00 € |
| | NEW AEM90-LN1306-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 12.5 | LNMT 1306.. | 162,00 € |
| | NEW AEM90-LN1306-D32-C32-L110-Z03-H | 36 | 3 | 32 | 110 | 40 | 12.5 | FOR ISCR | 175,00 € |
| | | | | | | | | INSERT. | |
| 90° | AEM90-LN15T6-D25-W25-L150-Z02-H | 25 | 2 | 25 | 150 | 50 | 15.5 | LNGU 15T6.. | 144,00 € |
| | AEM90-LN15T6-D32-W32-L150-Z03-H | 32 | 3 | 32 | 150 | 50 | 15.5 | FOR KNMTL | 167,00 € |
| | AEM90-LN15T6-D40-W32-L150-Z03-H | 40 | 3 | 32 | 150 | 40 | 15.5 | INSERT. | 182,00 € |
| 90° | AEM90-LN1006-D16-W16-L120-Z01-H | 16 | 1 | 16 | 120 | 30 | 9 | | 124,00 € |
| | AEM90-LN1006-D16-W16-L150-Z01 | 16 | 1 | 16 | 150 | 50 | 9 | | 124,00 € |
| | AEM90-LN1006-D18-W16-L120-Z02-H | 18 | 2 | 16 | 120 | 30 | 9 | | 129,00 € |
| | AEM90-LN1006-D20-W20-L120-Z02-H | 20 | 2 | 20 | 120 | 30 | 9 | LN.X 1006.. | 129,00 € |
| | AEM90-LN1006-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | 9 | FOR KRLY | 129,00 € |
| | AEM90-LN1006-D25-W25-L120-Z03-H | 25 | 3 | 25 | 120 | 30 | 9 | INSERT. | 146,00 € |
| | AEM90-LN1006-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 9 | | 146,00 € |
| | AEM90-LN1006-D32-W32-L120-Z04-H | 32 | 4 | 32 | 120 | 30 | 9 | | 170,00 € |
| | AEM90-LN1006-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 9 | | 170,00 € |
| 90° | AEM90-LN1106-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 40 | 10 | LNMT 1106.. | 164,00 € |
| | AEM90-LN1106-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 40 | 10 | FOR ISCR-XTC-GSC | 189,00 € |
| | AEM90-LN1106-D40-W32-L150-Z05 | 40 | 5 | 32 | 150 | 40 | 10 | INSERT. | 215,00 € |

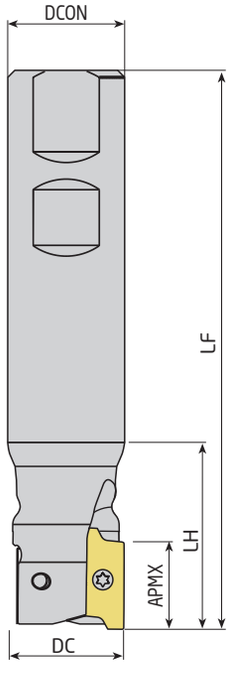
Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-LN08-D16-W16-L100-Z02-H

## END MILLS / *WP - SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | AEM90-R390.11-D12-W12-L100-Z01 | 12 | 1 | 12 | 100 | 25 | 99 | | 96,00 € |
| | AEM90-R390.11-D16-W16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | 10 | | 107,00 € |
| | AEM90-R390.11-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 10 | | 107,00 € |
| | AEM90-R390.11-D16-W16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | 10 | | 125,00 € |
| | AEM90-R390.11-D20-W20-L090-Z02-H | 20 | 2 | 20 | 90 | 30 | 10 | | 102,00 € |
| | AEM90-R390.11-D20-W20-L100-Z03-H | 20 | 3 | 20 | 100 | 30 | 10 | | 125,00 € |
| | AEM90-R390.11-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | R390-11T3.. | 125,00 € |
| | AEM90-R390.11-D20-W20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 10 | FOR SNDVK | 142,00 € |
| | AEM90-R390.11-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 30 | 10 | INSERT. | 125,00 € |
| | AEM90-R390.11-D22-W20-L090-Z02-H | 22 | 2 | 20 | 90 | 30 | 10 | | 102,00 € |
| | AEM90-R390.11-D25-C20-L150-Z03 | 25 | 3 | 20 | 150 | 40 | 10 | | 125,00 € |
| | AEM90-R390.11-D25-W25-L100-Z03-H | 25 | 3 | 25 | 100 | 30 | 10 | | 125,00 € |
| | AEM90-R390.11-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 125,00 € |
| | AEM90-R390.11-D25-W25-L150-Z03-H | 25 | 3 | 25 | 150 | 50 | 10 | | 142,00 € |
| | AEM90-R390.11-D30-W25-L150-Z04-H | 30 | 4 | 25 | 150 | 30 | 10 | | 173,00 € |
| | AEM90-R390.11-D32-C25-L200-Z03 | 32 | 3 | 25 | 200 | 40 | 10 | | 192,00 € |
| | AEM90-R390.11-D32-W32-L150-Z05-H | 32 | 5 | 32 | 150 | 50 | 10 | | 193,00 € |
| | AEM90-R390.17-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 15.4 | R390-1704.. | 125,00 € |
| | AEM90-R390.17-D25-W25-L150-Z02-H | 25 | 2 | 25 | 150 | 50 | 15.4 | FOR SNDVK | 142,00 € |
| | AEM90-R390.17-D30-W25-L150-Z03 | 30 | 3 | 25 | 150 | 40 | 15.4 | INSERT. | 142,00 € |
| | AEM90-R390.17-D30-W25-L150-Z03-H | 30 | 3 | 25 | 150 | 40 | 15.4 | | 165,00 € |
| | AEM90-R390.17-D32-W32-L150-Z03-H | 32 | 3 | 32 | 150 | 40 | 15.4 | R390-1806.. | 165,00 € |
| 90° | AEM90-R390.18-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 45 | 15.4 | FOR SNDVK INSERT. | 142,00 € |
| | AEM90-SE09-D25-C25-L120-Z03-H | 25 | 3 | 25 | 120 | 60 | 6.7 | SEET 09T3.. | 120,00 € |
| | AEM90-SE09-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 6.7 | FOR ZCC | 102,00 € |
| | AEM90-SE09-D32-C32-L120-Z04-H | 32 | 4 | 32 | 120 | 60 | 6.7 | INSERT. | 139,00 € |
| | AEM90-SE09-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 6.7 | | 120,00 € |
| 90° | | | | | | | | | |
| | AEM90-LO09-D16-C16-L160-Z02-H | 16 | 2 | 16 | 160 | 60 | 8 | LOGU 0904.. | 166,00 € |
| | AEM90-LO09-D18-C16-L160-Z02-H | 18 | 2 | 16 | 160 | 25 | 8 | FOR MTSBH | 166,00 € |
| | AEM90-LO09-D20-C20-L160-Z03-H | 20 | 3 | 20 | 160 | 60 | 8 | INSERT. | 199,00 € |
| | AEM90-LO09-D20-W20-L100-Z03-H | 20 | 3 | 20 | 100 | 30 | 8 | | 172,00 € |
| | AEM90-LO09-D22-C20-L160-Z03-H | 22 | 3 | 20 | 160 | 30 | 8 | | 199,00 € |
| | AEM90-LO09-D25-C25-L160-Z04-H | 25 | 4 | 25 | 160 | 70 | 8 | | 212,00 € |
| | AEM90-LO09-D25-W25-L091-Z03-H | 25 | 3 | 25 | 91 | 30 | 8 | | 150,00 € |
| 90° | AEM90-LO09-D32-C32-L160-Z05-H | 32 | 5 | 32 | 160 | 70 | 8 | | 241,00 € |
| | AEM90-LO10-D16-W16-L100-Z02 | 16 | 2 | 16 | 100 | 30 | 10 | LOMU 1004.. | 112,00 € |
| | AEM90-LO10-D16-W16-L160-Z02 | 16 | 2 | 16 | 160 | 50 | 10 | FOR KYCR | 126,00 € |
| | AEM90-LO10-D20-W20-L130-Z03 | 20 | 3 | 20 | 130 | 40 | 10 | INSERT. | 133,00 € |
| | AEM90-LO10-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 10 | | 133,00 € |
| | AEM90-LO10-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 10 | | 156,00 € |
| 90° | | | | | | | | | |

## END MILLS / *WP - SCHAFTFRÄSER*




90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-RT07-D10-W10-L120-Z02 | 10 | 2 | 10 | 120 | 30 | 7 | RT 0702.. | 97,00 € |
| AEM90-RT07-D12-W12-L120-Z02 | 12 | 2 | 12 | 120 | 30 | 7 | FOR SFTY | 97,00 € |
| AEM90-RT07-D12-C12-L120-Z02 | 12 | 2 | 12 | 120 | 30 | 7 | INSERT. | 97,00 € |
| AEM90-RT07-D14-W12-L120-Z02 | 14 | 2 | 12 | 120 | 30 | 7 | | 97,00 € |
| AEM90-RT10-D16-W16-L120-Z02-H | 16 | 2 | 15 | 160 | 30 | 10 | | 97,00 € |
| AEM90-RT10-D16-W16-L150-Z02 | 16 | 2 | 16 | 120 | 30 | 10 | | 97,00 € |
| AEM90-RT10-D16-C15-L160-Z02 | 16 | 2 | 16 | 150 | 50 | 10 | | 120,00 € |
| AEM90-RT10-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | 10 | | 142,00 € |
| AEM90-RT10-D17-W16-L160-Z02 | 17 | 2 | 16 | 160 | 30 | 10 | | 120,00 € |
| AEM90-RT10-D17-C16-L200-Z02 | 17 | 2 | 16 | 200 | 30 | 10 | | 131,00 € |
| AEM90-RT10-D18-W16-L120-Z02-H | 18 | 2 | 16 | 120 | 30 | 10 | | 97,00 € |
| AEM90-RT10-D20-W20-L120-Z03-H | 20 | 3 | 19 | 200 | 30 | 10 | | 119,00 € |
| AEM90-RT10-D20-W20-L150-Z03 | 20 | 3 | 20 | 120 | 30 | 10 | | 119,00 € |
| AEM90-RT10-D20-C19-L200-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | | 192,00 € |
| AEM90-RT10-D20-C20-L110-Z03 | 20 | 3 | 20 | 110 | 30 | 10 | RT 1003.. | 119,00 € |
| AEM90-RT10-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 100 | 10 | FOR SFTY | 167,00 € |
| AEM90-RT10-D21-W20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | 10 | INSERT. | 198,00 € |
| AEM90-RT10-D22-W20-L120-Z03-H | 22 | 3 | 20 | 120 | 30 | 10 | | 119,00 € |
| AEM90-RT10-D22-C20-L150-Z03 | 22 | 3 | 20 | 150 | 30 | 10 | | 119,00 € |
| AEM90-RT10-D22-C20-L200-Z03 | 22 | 3 | 20 | 200 | 30 | 10 | | 198,00 € |
| AEM90-RT10-D25-W25-L120-Z04-H | 25 | 4 | 25 | 120 | 40 | 10 | | 130,00 € |
| AEM90-RT10-D25-W25-L150-Z04 | 25 | 4 | 25 | 150 | 50 | 10 | | 130,00 € |
| AEM90-RT10-D25-C25-L200-Z04 | 25 | 4 | 25 | 200 | 100 | 10 | | 179,00 € |
| AEM90-RT10-D26-C25-L250-Z04 | 26 | 4 | 25 | 250 | 32 | 10 | | 227,00 € |
| AEM90-RT10-D32-W32-L120-Z05-H | 32 | 5 | 32 | 120 | 50 | 10 | | 142,00 € |
| AEM90-RT10-D32-W32-L150-Z05 | 32 | 5 | 32 | 150 | 50 | 10 | | 142,00 € |
| AEM90-RT10-D32-C32-L200-Z05 | 32 | 5 | 32 | 200 | 100 | 10 | | 189,00 € |
| AEM90-RT10-D33-C32-L250-Z04 | 33 | 4 | 32 | 250 | 32 | 10 | | 263,00 € |
| AEM90-RT13-D32-C32-L250-Z04 | 32 | 4 | 32 | 250 | 50 | 13 | RT 1304.. | 263,00 € |
| AEM90-RT16-D25-W25-L120-Z02-H | 25 | 2 | 25 | 120 | 40 | 16 | | 119,00 € |
| AEM90-RT16-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | 16 | | 119,00 € |
| AEM90-RT16-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 100 | 16 | | 167,00 € |
| AEM90-RT16-D32-W32-L120-Z03-H | 32 | 3 | 32 | 120 | 50 | 16 | | 130,00 € |
| AEM90-RT16-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 16 | RT 1606.. | 130,00 € |
| AEM90-RT16-D32-C32-L200-Z03 | 32 | 3 | 32 | 200 | 100 | 16 | FOR SFTY | 179,00 € |
| AEM90-RT16-D32-C32-L250-Z03 | 32 | 3 | 32 | 250 | 100 | 16 | INSERT. | 214,00 € |
| AEM90-RT16-D32-C32-L270-Z03 | 32 | 3 | 32 | 270 | 100 | 16 | | 225,00 € |
| AEM90-RT16-D40-W32-L120-Z04-H | 40 | 4 | 32 | 120 | 50 | 16 | | 142,00 € |
| AEM90-RT16-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 50 | 16 | | 142,00 € |
| AEM90-RT16-D40-C32-L200-Z04 | 40 | 4 | 32 | 200 | 100 | 16 | | 189,00 € |

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|---|---|---|---|---|---|---|---|---|
| AEM90-VC2205-D32-C25-L150-Z02-H | 32 | 2 | 25 | 150 | 50 | 15 | VCKT 2205.. | 157,00 € |
| AEM90-VC2205-D40-C32-L150-Z03-H | 40 | 3 | 32 | 150 | 50 | 15 | FOR KRLY | 180,00 € |
| | | | | | | | INSERT. | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/ *Beispiel Bestellformular:* 1pcs. AEM90-RT07-D10-W10-L120-Z02

## END MILLS / *WP - SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| 90° | AEM90-S00803-D20-C16-L110-Z02-H | 20 | 2 | 16 | 110 | 25 | 7 | SOMT 0803.. | 129,00 € |
| | AEM90-S00803-D25-C20-L110-Z02-H | 25 | 2 | 20 | 110 | 25 | 7 | FOR SMTM | 140,00 € |
| | AEM90-S00803-D32-C25-L120-Z03-H | 32 | 3 | 25 | 120 | 30 | 7 | INSERT. | 172,00 € |
| 90° | AEM90-SPGT0602-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 5.5 | SPGT 0602.. | 140,00 € |
| | AEM90-SPGT07T3-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 7 | SPGT 07T3.. | 156,00 € |
| | AEM90-SPGT07T3-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 7 | FOR ZCC INSERT. | 167,00 € |
| | AEM90-SPGT0904-D30-W32-L150-Z03 | 30 | 3 | 32 | 150 | 50 | 9 | SPGT 0904.. | 171,00 € |
| | | | | | | | | FOR ZCC | |
| | | | | | | | | INSERT. | |
| 90° | NEW AEM90-TNG10-D20-W20-L90-Z02-H | 20 | 2 | 20 | 90 | 32 | 5 | | 131,00 € |
| | NEW AEM90-TNG10-D20-W20-L90-Z03-H | 20 | 3 | 20 | 90 | 32 | 5 | | 152,00 € |
| | AEM90-TNG10-D20-C20-L125-Z02-H | 20 | 2 | 20 | 125 | 29 | 5 | | 157,00 € |
| | AEM90-TNG10-D20-C20-L125-Z03-H | 20 | 3 | 20 | 125 | 29 | 5 | | 186,00 € |
| | AEM90-TNG10-D20-C20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | 5 | | 225,00 € |
| | AEM90-TNG10-D25-C25-L150-Z03-H | 25 | 3 | 25 | 150 | 34 | 5 | | 225,00 € |
| | AEM90-TNG10-D21-C20-L200-Z03-H | 21 | 3 | 20 | 200 | 30 | 5 | | 292,00 € |
| | NEW AEM90-TNG10-D25-W25-L100-Z03-H | 25 | 4 | 25 | 100 | 42 | 5 | | 186,00 € |
| | NEW AEM90-TNG10-D25-W25-L100-Z04-H | 25 | 3 | 25 | 150 | 34 | 5 | | 204,00 € |
| | AEM90-TNG10-D25-C25-L150-Z04-H | 25 | 4 | 25 | 150 | 34 | 5 | | 254,00 € |
| | AEM90-TNG10-D25-C25-L170-Z04-H | 25 | 4 | 25 | 170 | 50 | 5 | TNGX 1004.. | 288,00 € |
| | AEM90-TNG10-D26-C25-L250-Z04-H | 26 | 4 | 25 | 250 | 35 | 5 | FOR PRMT | 409,00 € |
| | NEW AEM90-TNG10-D28-W25-L100-Z04-H | 28 | 4 | 25 | 100 | 29 | 5 | INSERT. | 204,00 € |
| | AEM90-TNG10-D32-W32-L110-Z04-H | 32 | 4 | 32 | 110 | 42 | 5 | | 222,00 € |
| | NEW AEM90-TNG10-D32-W32-L110-Z05-H | 32 | 5 | 32 | 110 | 42 | 5 | | 239,00 € |
| | AEM90-TNG10-D32-C32-L170-Z04-H | 32 | 4 | 32 | 170 | 37 | 5 | | 316,00 € |
| | AEM90-TNG10-D32-C32-L170-Z05-H | 32 | 5 | 32 | 170 | 37 | 5 | | 345,00 € |
| | AEM90-TNG10-D33-C32-L250-Z05-H | 33 | 5 | 32 | 250 | 35 | 5 | | 444,00 € |
| | NEW AEM90-TNG16-D25-C25-L170-Z02-H | 25 | 2 | 25 | 170 | 34 | 10 | | 241,00 € |
| | NEW AEM90-TNG16-D25-C25-L170-Z02-H-80 | 25 | 2 | 25 | 170 | 80 | 10 | | 241,00 € |
| | NEW AEM90-TNG16-D25-W25-L110-Z02-H | 25 | 2 | 25 | 110 | 42 | 10 | TNGX 1004.. | 113,00 € |
| | NEW AEM90-TNG16-D32-C32-L195-Z02-H | 32 | 2 | 32 | 195 | 34 | 10 | FOR PRMT | 305,00 € |
| | NEW AEM90-TNG16-D32-C32-L195-Z02-H-80 | 32 | 2 | 32 | 195 | 80 | 10 | INSERT. | 305,00 € |
| | NEW AEM90-TNG16-D32-C32-L195-Z03-H | 32 | 3 | 32 | 195 | 34 | 10 | | 329,00 € |
| | NEW AEM90-TNG16-D32-W32-L110-Z03-H | 32 | 3 | 32 | 110 | 42 | 10 | | 228,00 € |
| | NEW AEM90-TNG16-D35-C32-L195-Z04-H | 35 | 4 | 32 | 195 | 34 | 10 | | 357,00 € |
| | NEW AEM90-TNG16-D40-W32-L120-Z04-H | 40 | 4 | 32 | 120 | 50 | 10 | | 275,00 € |
| 90° | NEW AEM90-WNG04-D20-W20-L81-Z02-H | 20 | 2 | 20 | 81 | 31 | 4 | | 116,00 € |
| | AEM90-WNG04-D20-W20-L81-Z03-H | 20 | 3 | 20 | 81 | 31 | 4 | | 129,00 € |
| | NEW AEM90-WNG04-D20-C20-L170-Z02-H | 20 | 2 | 20 | 170 | 50 | 4 | | 153,00 € |
| | AEM90-WNG04-D20-C20-L170-Z03-H | 20 | 3 | 20 | 170 | 50 | 4 | WNGU 0403.. | 165,00 € |
| | AEM90-WNG04-D25-W25-L88-Z03-H | 25 | 3 | 25 | 88 | 32 | 4 | FOR XTC-GSC | 133,00 € |
| | AEM90-WNG04-D25-W25-L88-Z04-H | 25 | 4 | 25 | 88 | 32 | 4 | INSERT. | 141,00 € |
| | NEW AEM90-WNG04-D25-C25-L170-Z02-H | 25 | 2 | 25 | 170 | 50 | 4 | | 182,00 € |
| | AEM90-WNG04-D25-C25-L170-Z03-H | 25 | 3 | 25 | 170 | 50 | 4 | | 199,00 € |
| | AEM90-WNG04-D32-W25-L100-Z05-H | 32 | 5 | 25 | 100 | 35 | 4 | | 158,00 € |
| | AEM90-WNG04-D32-W32-L100-Z05-H | 32 | 5 | 32 | 100 | 40 | 4 | | 158,00 € |
| | NEW AEM90-WNG04-D32-C32-L170-Z03-H | 32 | 3 | 32 | 170 | 50 | 4 | | 199,00 € |
| | AEM90-WNG04-D32-C25-L170-Z04-H | 32 | 4 | 25 | 170 | 35 | 4 | | 211,00 € |
| | AEM90-WNG04-D32-C32-L170-Z04-H | 32 | 4 | 32 | 170 | 50 | 4 | | 211,00 € |
| | NEW AEM90-WNG08-D32-C32-L170-Z02-H | 32 | 2 | 32 | 170 | 50 | 7.5 | WNGU 0806.. | 199,00 € |
| | AEM90-WNG08-D40-W32-L100-Z03-H | 40 | 3 | 32 | 100 | 35 | 7.5 | FOR XTC-GSC INSERT. | 187,00 € |
| | NEW AEM90-WNG08-D40-W40-L110-Z03-H | 40 | 3 | 40 | 110 | 40 | 7.5 | | 187,00 € |
| | AEM90-WNG08-D40-C32-L170-Z03-H | 40 | 3 | 32 | 170 | 35 | 7.5 | | 258,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-S00803-D20-C16-L110-Z02-H

## END MILLS / *WP - SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| 90° | AEM90L-WN0604Z-D25-C25-L200-Z02-H | 25 | 2 | 25 | 200 | 100 | 5.7 | WNHU 0604.. | 207,00 € |
| | AEM90-WN0604Z-D25-W25-L150-Z02-H | 25 | 2 | 25 | 150 | 50 | 5.7 | FOR ZCC | 155,00 € |
| | AEM90-WN0604Z-D32-W32-L150-Z03-H | 32 | 3 | 32 | 150 | 50 | 5.7 | INSERT. | 170,00 € |
| | AEM90-WN0604Z-D40-W32-L150-Z04-H | 40 | 4 | 32 | 150 | 35 | 5.7 | | 194,00 € |
| 90° | AEM90-XC13-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 60 | 13 | XCKX 13T3.. | 114,00 € |
| | AEM90-XC13-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 60 | 13 | FOR SC | 119,00 € |
| | AEM90-XC13-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 60 | 13 | INSERT. | 137,00 € |
| 90° | AEM90-XD11T3-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 40 | 10 | | 107,00 € |
| | AEM90-XD11T3-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 30 | 10 | | 107,00 € |
| | AEM90-XD11T3-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 10 | XD.T 11T3.. | 125,00 € |
| | AEM90-XD11T3-D21-C20-L080-Z03-H | 21 | 3 | 20 | 80 | 25 | 10 | FOR CRTZT | 125,00 € |
| | AEM90-XD11T3-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 10 | INSERT. | 125,00 € |
| | AEM90-XD11T3-D25-W25-L150-Z04 | 25 | 4 | 25 | 150 | 50 | 10 | | 141,00 € |
| | AEM90-XD11T3-D30-W25-L120-Z04 | 30 | 4 | 25 | 120 | 30 | 10 | | 145,00 € |
| | AEM90-XD11T3-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 10 | | 145,00 € |
| | AEM90-XD11T3-D33-C20-L080-Z04-H | 33 | 4 | 20 | 80 | 30 | 10 | | 145,00 € |
| 90° | AEM90-XN0403-D16-C16-L100-Z01-H | 16 | 1 | 16 | 100 | 30 | 4 | XNEX 0403.. | 116,00 € |
| | AEM90-XN0403-D22-C20-L110-Z03-H | 22 | 3 | 20 | 110 | 30 | 4 | FOR SC INSERT | 134,00 € |
| | AEM90-XN0806-D32-C32-L110-Z02-H | 32 | 2 | 32 | 110 | 40 | 7.5 | | 148,00 € |
| | | | | | | | | XNEX 0806.. | |
| | | | | | | | | FOR SC | |
| | | | | | | | | INSERT. | |
| 90° | AEM90-XO06-D10-C12-L120-Z02 | 10 | 2 | 12 | 120 | 50 | 5 | XO.. 0602.. | 157,00 € |
| | AEM90-XO06-D12-C12-L120-Z02 | 12 | 2 | 12 | 120 | 25 | 5 | FOR SC INSERT. | 157,00 € |
| | AEM90-XO09-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | 8 | XO.. 0903.. | 119,00 € |
| | AEM90-XO09-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 50 | 8 | FOR SC INSERT. | 134,00 € |
| | AEM90-XO12-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | 11 | | 107,00 € |
| | AEM90-XO12-D20-C20-L200-Z02 | 20 | 2 | 20 | 200 | 100 | 11 | | 165,00 € |
| | AEM90-XO12-D22-W20-L150-Z02 | 22 | 2 | 20 | 150 | 20 | 11 | XO.. 1204.. | 107,00 € |
| | AEM90-XO12-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | 11 | FOR SC | 119,00 € |
| | AEM90-XO12-D25-C25-L200-Z03 | 25 | 3 | 25 | 200 | 100 | 11 | INSERT. | 182,00 € |
| | AEM90-XO12-D32-C25-L150-Z04 | 32 | 4 | 25 | 150 | 40 | 11 | | 137,00 € |
| | AEM90-XO12-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | 11 | | 137,00 € |
| | AEM90-XO12-D32-C32-L250-Z04 | 32 | 4 | 32 | 250 | 100 | 11 | | 354,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-WN0604Z-D25-C25-L200-Z02-H

## END MILLS / *WP - SCHAFTFRÄSER*

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| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-ZC1003-D16-C14-L150-Z02 | 16 | 2 | 14 | 150 | 25 | 9 | | 93,00 € |
| AEM90-ZC1003-D16-C14-L200-Z02 | 16 | 2 | 14 | 200 | 25 | 9 | | 140,00 € |
| AEM90-ZC1003-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 25 | 9 | | 93,00 € |
| AEM90-ZC1003-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 25 | 9 | | 93,00 € |
| AEM90-ZC1003-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 50 | 9 | | 139,00 € |
| AEM90-ZC1003-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 25 | 9 | | 93,00 € |
| AEM90-ZC1003-D17-C16-L200-Z02 | 17 | 2 | 16 | 200 | 25 | 9 | | 139,00 € |
| AEM90-ZC1003-D20-C18-L150-Z03 | 20 | 3 | 18 | 150 | 25 | 9 | ZCMT 100308R | 107,00 € |
| AEM90-ZC1003-D20-C18-L200-Z02 | 20 | 2 | 18 | 200 | 25 | 9 | FOR DJT | 155,00 € |
| AEM90-ZC1003-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 40 | 9 | INSERT. | 107,00 € |
| AEM90-ZC1003-D20-C18-L200-Z03 | 20 | 3 | 18 | 200 | 25 | 9 | | 162,00 € |
| AEM90-ZC1003-D21-C20-L150-Z02 | 21 | 2 | 20 | 150 | 30 | 9 | | 93,00 € |
| AEM90-ZC1003-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | 9 | | 107,00 € |
| AEM90-ZC1003-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | 9 | | 168,00 € |
| AEM90-ZC1003-D25-C20-L150-Z03 | 25 | 3 | 20 | 150 | 30 | 9 | | 107,00 € |
| AEM90-ZC1003-D25-C20-L200-Z03 | 25 | 3 | 20 | 200 | 30 | 9 | | 167,00 € |
| AEM90-ZC1003-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 40 | 9 | | 107,00 € |
| AEM90-ZC1003-D26-C25-L170-Z03 | 26 | 3 | 25 | 170 | 25 | 9 | | 121,00 € |
| AEM90-ZC1003-D26-C25-L200-Z03 | 26 | 3 | 25 | 200 | 25 | 9 | | 162,00 € |
| AEM90-ZC1003-D32-C25-L180-Z04 | 32 | 4 | 25 | 180 | 30 | 9 | | 174,00 € |
| AEM90-ZC1003-D33-C32-L200-Z04 | 33 | 4 | 32 | 200 | 25 | 9 | | 182,00 € |

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|---|---|---|---|---|---|---|---|---|
| AEM90-ZP13T3-D26-C25-L200-Z02 | 26 | 2 | 25 | 200 | 35 | 13 | | 154,00 € |
| AEM90-ZP13T3-D26-C25-L200-Z03 | 26 | 3 | 25 | 200 | 35 | 13 | ZPMT 13T3.. | 162,00 € |
| AEM90-ZP13T3-D26-C25-L250-Z02 | 26 | 2 | 25 | 250 | 35 | 13 | FOR DJT | 215,00 € |
| AEM90-ZP13T3-D33-C32-L200-Z03 | 33 | 3 | 32 | 200 | 40 | 13 | INSERT. | 182,00 € |
| AEM90-ZP13T3-D33-C32-L250-Z03 | 33 | 3 | 32 | 250 | 40 | 13 | | 240,00 € |

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|---|---|---|---|---|---|---|---|---|
| NEW AEM90-3P0603-D12-C12-L120-Z01-H | 12 | 1 | 12 | 120 | 25 | 4.7 | 3P.T 0603 | 96,00 € |
| AEM90-3P0603-D16-W16-L120-Z03-H | 16 | 3 | 16 | 120 | 25 | 4.7 | FOR TGTC | 160,00 € |
| AEM90-3P0603-D20-W20-L150-Z03-H | 20 | 3 | 20 | 150 | 25 | 4.7 | INSERT. | 174,00 € |
| AEM90-3P0603-D25-W25-L150-Z05-H | 25 | 5 | 25 | 150 | 25 | 4.7 | | 216,00 € |
| AEM90-3P1004-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 40 | 7 | 3P.T 1004 | 127,00 € |
| AEM90-3P1004-D21-C20-L200-Z02 | 21 | 2 | 20 | 200 | 30 | 7 | FOR TGTC | 189,00 € |
| NEW AEM90-3P1004-D22-W20-L150-Z02 | 22 | 2 | 20 | 150 | 30 | 7 | INSERT. | 127,00 € |
| AEM90-3P1004-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 40 | 7 | | 145,00 € |
| AEM90-3P1505-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | 11 | 3P.T 1505 | 153,00 € |
| AEM90-3P1505-D38-W32-L150-Z03 | 38 | 3 | 32 | 150 | 35 | 11 | FOR TGTC | 167,00 € |
| AEM90-3P1505-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 35 | 11 | INSERT. | 171,00 € |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AEM90-4N06-D16-W16-L120-Z02-H | 16 | 2 | 16 | 120 | 25 | 6 | 4NKT 0603.. | 120,00 € |
| AEM90-4N06-D16-W16-L160-Z02 | 16 | 2 | 16 | 160 | 25 | 6 | FOR TGTC | 120,00 € |
| AEM90-4N06-D20-W16-L120-Z03-H | 20 | 3 | 16 | 120 | 20 | 6 | INSERT. | 151,00 € |
| AEM90-4N06-D20-W16-L160-Z03 | 20 | 3 | 16 | 160 | 20 | 6 | | 151,00 € |
| NEW AEM90-4N06-D20-W20-L160-Z03 | 20 | 3 | 20 | 160 | 25 | 6 | | 151,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-ZC1003-D16-C14-L150-Z02

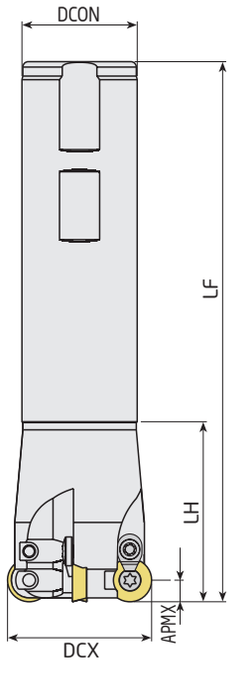
## S - SYSTEM FACE AND COPY END MILLS / *S-SYSTEM KOPIER - UND SCHAFTFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AEMR-RP08T2M-D20-W20-L150-Z02-H | 20 | 2 | 20 | 150 | 60 | RPMT 08T2.. | 156,00 € |
| | AEMR-RP08T2M-D25-W25-L200-Z03-H | 25 | 3 | 25 | 200 | 100 | FOR MTSBSH INSERT. | 239,00 € |
| | AEMR-RP10T3M-D25-W25-L200-Z02-H | 25 | 2 | 25 | 200 | 100 | RPMT 10T3.. | 210,00 € |
| | AEMR-RP10T3M-D32-W32-L200-Z03-H | 32 | 3 | 32 | 200 | 100 | FOR MTSBSH INSERT. | 260,00 € |
| | NEW AEMR-RP1204M-D25-C25-L180-Z02 | 25 | 2 | 25 | 180 | 50 | | 157,00 € |
| | NEW AEMR-RP1204M-D25-C25-L180-Z02-H | 25 | 2 | 25 | 180 | 50 | RPMT 1204.. | 187,00 € |
| | AEMR-RP1204M-D32-W32-L150-Z03-H | 32 | 3 | 32 | 150 | 60 | FOR MTSBSH INSERT. | 173,00 € |
| | AEMR-RP1204M-D32-W32-L200-Z03-H | 32 | 3 | 32 | 200 | 100 | | 260,00 € |
| | NEW AEMR-RP1204M-D36-C25-L160-Z03 | 36 | 3 | 25 | 160 | 30 | | 158,00 € |
| | AEMR-RP1606M-D40-W32-L150-Z02-H | 40 | 2 | 16 | 150 | 35 | RPMT 1606.. | 187,00 € |
| -° | AEMR-RP1606M-D40-W32-L200-Z02-H | 40 | 2 | 16 | 200 | 35 | FOR MTSBSH INSERT. | 281,00 € |
| | AEMR-RY08-D16-W16-L150-Z02 | 16 | 16 | 2 | 150 | 55 | RYMX 0803.. | 126,00 € |
| | AEMR-RY10-D20-W20-L150-Z02 | 20 | 20 | 2 | 150 | 60 | | 138,00 € |
| | AEMR-RY10-D20-C20-L200-Z02 | 20 | 20 | 2 | 200 | 100 | RYMX 1004.. | 185,00 € |
| | AEMR-RY10-D21-W20-L200-Z02-H | 21 | 20 | 2 | 200 | 30 | FOR TGTC INSERT. | 222,00 € |
| | AEMR-RY10-D25-W25-L150-Z02 | 25 | 25 | 2 | 150 | 60 | | 151,00 € |
| | AEMR-RY10-D26-W25-L200-Z02-H | 26 | 25 | 2 | 200 | 60 | | 267,00 € |
| | AEMR-RY10-D32-W32-L160-Z04-H | 32 | 32 | 4 | 160 | 60 | | 238,00 € |
| -° | AEMR-RY12-D32-C25-L160-Z03 | 32 | 25 | 3 | 160 | 30 | RYMX 1205.. FOR TGTC INSERT. | 184,00 € |
| | AEMR-QP10T3-D20-C20-L150-Z01-H | 20 | 1 | 20 | 150 | 70 | | 157,00 € |
| | AEMR-QP10T3-D25-C25-L120-Z02-H | 25 | 2 | 25 | 120 | 40 | | 183,00 € |
| | AEMR-QP10T3-D25-C25-L150-Z02-H | 25 | 2 | 25 | 150 | 70 | QP.. 10T3.. | 183,00 € |
| | AEMR-QP10T3-D25-C25-L170-Z02 | 25 | 2 | 25 | 170 | 90 | FOR SMTM INSERT. | 172,00 € |
| | AEMR-QP10T3-D32-C32-L150-Z03-H | 32 | 3 | 32 | 150 | 70 | | 210,00 € |
| | AEMR-QP10T3-D32-C32-L170-Z03 | 32 | 3 | 32 | 170 | 90 | | 185,00 € |
| -° | AEMR-QP1204-D25-C25-L150-Z02-H | 25 | 2 | 25 | 150 | 70 | QP.. 1204.. SMTM | 183,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEMR-RP08T2M-D20-W20-L150-Z02-H

## S - SYSTEM FACE AND COPY END MILLS / *S-SYSTEM KOPIER - UND SCHAFTFRÄSER*




| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AEMR-RD0501-D08-W10-L100-Z01-H | 8 | 1 | 10 | 100 | 20 | | 110,00 € |
| | AEMR-RD0501-D10-W12-L100-Z02-H | 10 | 2 | 12 | 100 | 20 | RD.. 0501 | 125,00 € |
| | AEMR-RD0501-D12-W12-L120-Z02-H | 12 | 2 | 12 | 120 | 20 | | 125,00 € |
| | AEMR-RD0803-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 60 | RD.. 0803 | 99,00 € |
| | AEMR-RD0803-D16-C20-L200-Z02 | 16 | 2 | 20 | 200 | 60 | FOR ISO INSERT. | 154,00 € |
| | AEMR-RD0803-D20-W20-L150-Z03 | 20 | 3 | 20 | 150 | 60 | | 146,00 € |
| | AEMR-RD08T2-D16-W16-L150-Z02 | 16 | 2 | 16 | 150 | 60 | RD.. 08T2 | 99,00 € |
| | AEMR-RD08T2-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 60 | FOR ISO INSERT. | 121,00 € |
| | AEMRC-RD1003-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 60 | | 121,00 € |
| | AEMRC-RD1003-D20-C20-L160-Z02 | 20 | 2 | 20 | 160 | 70 | | 130,00 € |
| | AEMRC-RD1003-D20-C20-L250-Z02 | 20 | 2 | 20 | 250 | 150 | | 219,00 € |
| | AEMRC-RD1003-D21-C20-L160-Z02 | 21 | 2 | 20 | 160 | 70 | | 130,00 € |
| | AEMRC-RD1003-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 60 | | 121,00 € |
| | AEMRC-RD1003-D25-C25-L160-Z02 | 25 | 2 | 25 | 160 | 70 | | 130,00 € |
| | AEMRC-RD1003-D25-W25-L200-Z02 | 25 | 2 | 25 | 200 | 100 | | 165,00 € |
| | AEMRC-RD1003-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 100 | RD.. 1003 | 165,00 € |
| | AEMRC-RD1003-D25-C25-L250-Z02 | 25 | 2 | 25 | 250 | 150 | FOR ISO INSERT. | 219,00 € |
| | AEMRC-RD1003-D26-C25-L160-Z02 | 26 | 2 | 25 | 160 | 70 | | 130,00 € |
| | AEMRC-RD1003-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 60 | | 137,00 € |
| | AEMRC-RD1003-D32-C32-L250-Z02 | 32 | 2 | 32 | 250 | 150 | | 229,00 € |
| | AEMRC-RD1003-D33-C32-L160-Z03 | 33 | 3 | 32 | 160 | 70 | | 146,00 € |
| | AEMRC-RD1003-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 35 | | 154,00 € |
| | AEMRC-RD1003-D40-C32-L250-Z02 | 40 | 2 | 32 | 250 | 50 | | 240,00 € |
| | AEMRC-RD10T3-D20-C20-L150-Z02 | 20 | 2 | 20 | 150 | 60 | | 121,00 € |
| NEW | AEMR-RD10T3-D20-C20-L180-Z02-H | 20 | 2 | 20 | 180 | 60 | | 196,00 € |
| | AEMRC-RD10T3-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 60 | | 121,00 € |
| NEW | AEMRC-RD10T3-D21-C20-L200-Z02-H | 21 | 2 | 20 | 200 | 80 | RD.. 10T3 | 197,00 € |
| | AEMRC-RD10T3-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 60 | FOR ISO INSERT. | 121,00 € |
| | AEMRC-RD10T3-D25-C25-L200-Z02-H | 25 | 2 | 25 | 150 | 60 | | 197,00 € |
| | AEMRC-RD10T3-D25-W25-L150-Z02 | 32 | 3 | 32 | 150 | 60 | | 121,00 € |
| NEW | AEMRC-RD10T3-D25-C32-L150-Z03 | 25 | 3 | 32 | 150 | 50 | | 137,00 € |
| NEW | AEMRC-RD10T3-D26-C25-L200-Z02-H | 26 | 2 | 25 | 200 | 35 | | 202,00 € |
| | AEMRC-RD10T3-D32-C25-L250-Z03-H | 25 | 2 | 25 | 150 | 60 | | 299,00 € |
| | AEMRC-RD10T3-D32-W32-L150-Z03 | 25 | 2 | 25 | 200 | 100 | | 137,00 € |
| NEW | AEMRC-RD10T3-D32-C32-L150-Z04 | 32 | 4 | 32 | 150 | 60 | | 154,00 € |
| | AEMRC-RD12T3-D25-W25-L150-Z02 | 25 | 2 | 25 | 250 | 150 | | 121,00 € |
| | AEMRC-RD12T3-D25-W25-L200-Z02 | 25 | 2 | 25 | 200 | 100 | RD.. 12T3 | 165,00 € |
| | AEMRC-RD12T3-D25-C25-L250-Z02 | 25 | 2 | 25 | 300 | 200 | FOR ISO INSERT. | 219,00 € |
| | AEMRC-RD12T3-D25-C25-L300-Z02 | 32 | 3 | 32 | 150 | 60 | | 292,00 € |
| | AEMRC-RD12T3-D32-W32-L150-Z03 | 32 | 2 | 32 | 250 | 150 | | 137,00 € |
| | AEMRC-RD12T3-D32-C32-L250-Z02 | 32 | 3 | 25 | 250 | 35 | | 229,00 € |
| | AEMRC-RD12T3-D40-W32-L150-Z04 | 40 | 4 | 32 | 150 | 50 | | 154,00 € |
| | AEMRC-RD12T3-D40-C32-L250-Z02 | 40 | 2 | 32 | 250 | 50 | | 240,00 € |
| NEW | AEMRC-RD1204-D32-C32-L200-Z02 | 32 | 2 | 32 | 200 | 100 | RD.. 12T3 | 184,00 € |
| | AEMRC-RD1204-D32-C32-L160-Z03 | 32 | 3 | 32 | 160 | 70 | FOR ISO INSERT. | 146,00 € |
| | AEMRC-RD1204-D32-W32-L160-Z03 | 32 | 3 | 32 | 160 | 50 | RD.. 1604 | 146,00 € |
| NEW | AEMRC-RD1204-D32-C32-L200-Z02 | 32 | 2 | 32 | 200 | 100 | | 184,00 € |
| | AEMRC-RD1204-D33-C32-L160-Z03 | 33 | 3 | 32 | 160 | 70 | RD.. 1204 ISO | 146,00 € |
| | AEMRC-RD1604-D40-W32-L150-Z02 | 40 | 2 | 32 | 150 | 35 | RD.. 1604 ISO | 142,00 € |

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## S - SYSTEM FACE AND COPY END MILLS / *S-SYSTEM KOPIER - UND SCHAFTFRÄSER*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AEMR-RP10T3-D25-W25-L125-Z02 | 25 | 2 | 25 | 125 | 60 | RPNX 10T3.. | 137,00 € |
| AEMR-RP10T3-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 60 | FOR CRTZT | 137,00 € |
| AEMR-RP10T3-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 60 | INSERT. | 155,00 € |

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## S - SYSTEM HIGHFEED END MILLS / *S - SYSTEM HOCHGESCHWINDIGKEITS*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-BN10T3-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | | 126,00 € |
| AHFM-BN10T3-D16-C16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | | 151,00 € |
| AHFM-BN10T3-D20-C20-L130-Z03-H | 20 | 3 | 20 | 130 | 40 | | 170,00 € |
| AHFM-BN10T3-D20-C20-L130-Z04-H | 20 | 4 | 20 | 130 | 40 | | 200,00 € |
| AHFM-BN10T3-D20-C20-L160-Z03-H | 20 | 3 | 20 | 160 | 80 | | 242,00 € |
| AHFM-BN10T3-D25-C25-L140-Z04-H | 25 | 4 | 25 | 140 | 50 | BNGX 10T3.. | 226,00 € |
| AHFM-BN10T3-D25-W25-L140-Z04-H | 25 | 4 | 25 | 140 | 50 | FOR PRMT | 226,00 € |
| AHFM-BN10T3-D25-C25-L140-Z05-H | 25 | 5 | 25 | 140 | 50 | INSERT.. | 258,00 € |
| AHFM-BN10T3-D25-C25-L180-Z04-H | 25 | 4 | 25 | 180 | 100 | | 340,00 € |
| AHFM-BN10T3-D32-C32-L150-Z05-H | 32 | 5 | 32 | 150 | 70 | | 314,00 € |
| AHFM-BN10T3-D32-C32-L150-Z06-H | 32 | 6 | 32 | 150 | 70 | | 345,00 € |
| AHFM-BN10T3-D35-C32-L200-Z06-H | 35 | 6 | 32 | 200 | 50 | | 454,00 € |

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| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-BL0603-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 20 | | 126,00 € |
| AHFM-BL0603-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 30 | | 126,00 € |
| AHFM-BL0603-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 50 | | 126,00 € |
| AHFM-BL0603-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 20 | | 126,00 € |
| AHFM-BL0603-D17-W16-L170-Z02 | 17 | 2 | 16 | 170 | 20 | | 175,00 € |
| AHFM-BL0603-D17-W16-L170-Z02-H | 17 | 2 | 16 | 170 | 20 | | 175,00 € |
| AHFM-BL0603-D17-C16-L200-Z02 | 17 | 2 | 16 | 200 | 30 | | 183,00 € |
| AHFM-BL0603-D18-C16-L150-Z02 | 18 | 2 | 16 | 150 | 20 | | 126,00 € |
| AHFM-BL0603-D18-W16-L150-Z02-H | 18 | 2 | 16 | 150 | 20 | | 151,00 € |
| AHFM-BL0603-D20-C20-L130-Z03 | 20 | 3 | 20 | 130 | 50 | BLMP 0603.. | 142,00 € |
| AHFM-BL0603-D20-C20-L160-Z03 | 20 | 3 | 20 | 160 | 50 | FOR TGTC | 166,00 € |
| AHFM-BL0603-D21-W20-L200-Z03 | 21 | 3 | 20 | 200 | 25 | INSERT. | 237,00 € |
| AHFM-BL0603-D22-W20-L150-Z03 | 22 | 3 | 20 | 150 | 25 | | 166,00 € |
| AHFM-BL0603-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 20 | | 237,00 € |
| AHFM-BL0603-D25-C25-L250-Z04 | 25 | 4 | 25 | 250 | 40 | | 390,00 € |
| NEW AHFM-BL0603-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 35 | | 195,00 € |
| AHFM-BL0603-D26-W25-L200-Z04 | 26 | 4 | 25 | 200 | 35 | | 259,00 € |
| AHFM-BL0603-D26-C25-L250-Z04 | 26 | 4 | 25 | 250 | 35 | | 390,00 € |
| AHFM-BL0603-D26-C25-L200-Z04 | 26 | 4 | 25 | 200 | 35 | | 259,00 € |
| AHFM-BL0603-D32-C32-L150-Z05 | 32 | 5 | 32 | 150 | 70 | | 189,00 € |
| AHFM-BL0603-D32-C32-L200-Z05 | 32 | 5 | 32 | 200 | 120 | | 286,00 € |
| AHFM-BL0603-D33-C32-L150-Z05 | 33 | 5 | 32 | 150 | 40 | | 189,00 € |
| AHFM-BL0603-D33-C32-L200-Z05 | 33 | 5 | 32 | 200 | 40 | | 286,00 € |
| AHFM-BL0603-D33-C32-L250-Z05 | 33 | 5 | 32 | 250 | 40 | | 418,00 € |
| NEW AHFM-BL0904-D28-W25-L180-Z03 | 28 | 3 | 25 | 180 | 30 | BLMP 0603.. TGTC | 210,00 € |

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Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-RP10T3-D25-W25-L125-Z02

## S - SYSTEM HIGHFEED END MILLS / *S - SYSTEM HOCHGESCHWINDIGKEITS*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-E00602-D10-C10-L080-Z02 | 10 | 2 | 10 | 80 | 20 | | 117,00 € |
| AHFM-E00602-D10-C09-L120-Z02 | 10 | 2 | 9 | 120 | 15 | | 117,00 € |
| AHFM-E00602-D10-C10-L120-Z02 | 10 | 2 | 10 | 120 | 60 | | 117,00 € |
| AHFM-E00602-D12-C12-L080-Z02 | 12 | 2 | 12 | 80 | 20 | E0.. 0602.. | 117,00 € |
| AHFM-E00602-D12-C12-L080-Z03 | 12 | 3 | 12 | 80 | 20 | ZOMT 0602.. | 131,00 € |
| AHFM-E00602-D12-C11-L120-Z02 | 12 | 2 | 11 | 120 | 15 | FOR DJT INSERT. | 117,00 € |
| AHFM-E00602-D12-C11-L120-Z03 | 12 | 3 | 11 | 120 | 15 | | 131,00 € |
| AHFM-E00602-D12-C12-L120-Z02 | 12 | 2 | 12 | 120 | 60 | | 117,00 € |
| AHFM-E00602-D12-C12-L120-Z03 | 12 | 3 | 12 | 120 | 60 | | 131,00 € |
| AHFM-E00602-D16-C16-L150-Z04 | 16 | 4 | 16 | 150 | 60 | | 146,00 € |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NEW AHFM-EP1003-D16-C16-L80-Z02-H | 16 | 2 | 16 | 80 | 20 | EP.. 1003.. | 100,00 € |
| AHFM-EP1003-D16-C16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | ZPMT 1003.. | 100,00 € |
| AHFM-EP1003-D17-C16-L150-Z02-H | 17 | 2 | 16 | 150 | 20 | YPHW 1003.. | 100,00 € |
| AHFM-EP1003-D20-C20-L150-Z04-H | 20 | 4 | 20 | 150 | 50 | FOR DJT INSERT. | 138,00 € |
| AHFM-EP1003-D21-C20-L150-Z04-H | 21 | 4 | 20 | 150 | 20 | | 138,00 € |
| AHFM-EP1003-D25-C25-L200-Z04-H | 25 | 4 | 25 | 200 | 100 | | 207,00 € |
| AHFM-EP1003-D25-C25-L250-Z04-H | 25 | 4 | 25 | 250 | 100 | | 310,00 € |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AHFM-EN1004-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 25 | | 110,00 € |
| AHFM-EN1004-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 25 | | 110,00 € |
| AHFM-EN1004-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 25 | | 164,00 € |
| AHFM-EN1004-D16-C16-L250-Z02 | 16 | 2 | 16 | 250 | 25 | | 167,00 € |
| AHFM-EN1004-D17-C16-L150-Z02-H | 17 | 2 | 16 | 150 | 25 | | 130,00 € |
| AHFM-EN1004-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 25 | | 110,00 € |
| AHFM-EN1004-D17-C16-L200-Z02 | 17 | 2 | 16 | 200 | 25 | | 164,00 € |
| AHFM-EN1004-D18-C16-L150-Z02 | 18 | 2 | 16 | 150 | 25 | | 110,00 € |
| AHFM-EN1004-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 40 | | 130,00 € |
| AHFM-EN1004-D20-C20-L250-Z03 | 20 | 3 | 20 | 250 | 70 | | 292,00 € |
| AHFM-EN1004-D21-C20-L150-Z02 | 21 | 2 | 20 | 150 | 30 | | 116,00 € |
| AHFM-EN1004-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | | 156,00 € |
| AHFM-EN1004-D21-C20-L150-Z03-H | 21 | 3 | 20 | 150 | 30 | ENMU 1004.. | 156,00 € |
| AHFM-EN1004-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 30 | FOR DJT INSERT. | 195,00 € |
| AHFM-EN1004-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | | 195,00 € |
| AHFM-EN1004-D22-C20-L150-Z03 | 22 | 3 | 20 | 150 | 30 | | 130,00 € |
| AHFM-EN1004-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 40 | | 130,00 € |
| AHFM-EN1004-D25-C25-L150-Z04 | 25 | 4 | 25 | 150 | 40 | | 143,00 € |
| AHFM-EN1004-D26-C25-L150-Z03 | 26 | 3 | 25 | 150 | 30 | | 130,00 € |
| AHFM-EN1004-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 30 | | 143,00 € |
| AHFM-EN1004-D26-C25-L200-Z03 | 26 | 3 | 25 | 200 | 30 | | 195,00 € |
| AHFM-EN1004-D26-C25-L200-Z03-H | 26 | 3 | 25 | 200 | 30 | | 233,00 € |
| AHFM-EN1004-D26-C25-L250-Z03-H | 26 | 3 | 25 | 250 | 30 | | 349,00 € |
| AHFM-EN1004-D28-C25-L200-Z04 | 28 | 4 | 25 | 200 | 30 | | 266,00 € |
| AHFM-EN1004-D32-C32-L200-Z04 | 32 | 4 | 32 | 200 | 30 | | 266,00 € |
| AHFM-EN1004-D33-C32-L200-Z04 | 33 | 4 | 32 | 200 | 50 | | 318,00 € |
| AHFM-EN1004-D33-C32-L200-Z04-H | 33 | 4 | 32 | 200 | 30 | | 318,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-E00602-D10-C10-L080-Z02

## S - SYSTEM HIGHFEED END MILLS / *S - SYSTEM HOCHGESCHWINDIGKEITS*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AHFMC-JD1204-D32-C32-L150-Z02 | 32 | 2 | 32 | 150 | 50 | JDMW 1204.. | 185,00 € |
| | AHFMC-JD1204-D32-C32-L200-Z02 | 32 | 2 | 32 | 200 | 50 | FOR MTSBH | 245,00 € |
| | AHFMC-JD1204-D35-C32-L200-Z02 | 35 | 2 | 32 | 200 | 50 | INSERT. | 256,00 € |
| | AHFMC-JD1204-D35-C32-L250-Z02 | 35 | 2 | 32 | 250 | 50 | | 353,00 € |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | AHFM-SP0735-D16-C16-L160-Z02-H | 16 | 2 | 16 | 160 | 30 | SPMX 073505 | 147,00 € |
| | AHFM-SP0735-D17-C16-L160-Z02-H | 17 | 2 | 16 | 160 | 30 | FOR MTSBH | 147,00 € |
| | AHFM-SP0735-D20-C20-L160-Z03-H | 20 | 2 | 20 | 160 | 30 | INSERT. | 179,00 € |
| | AHFM-SP0735-D21-C20-L160-Z03-H | 21 | 2 | 20 | 160 | 30 | | 223,00 € |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | AHFM-LN0303-D16-C15-L150-Z02 | 16 | 2 | 15 | 150 | 30 | | 146,00 € |
| | AHFM-LN0303-D16-W16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | | 175,00 € |
| | NEW AHFM-LN0303-D17-C16-L150-Z02-H | 17 | 2 | 16 | 150 | 30 | LNMU 0303.. | 175,00 € |
| | AHFM-LN0303-D20-W20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | FOR TNGLY | 204,00 € |
| | AHFM-LN0303-D21-C20-L150-Z03 | 21 | 3 | 20 | 150 | 30 | INSERT. | 170,00 € |
| | AHFM-LN0303-D25-W25-L150-Z04-H | 25 | 4 | 25 | 150 | 50 | | 243,00 € |
| | AHFM-LN0303-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 30 | | 202,00 € |
| | NEW AHFM-LN0303-D28-C25-L180-Z03 | 28 | 3 | 25 | 180 | 30 | | 210,00 € |
| | AHFM-LN0303-D33-C32-L200-Z05 | 33 | 5 | 32 | 200 | 30 | | 236,00 € |
| | AHFM-L003-D16-C16-L100-Z02 | 16 | 2 | 15 | 160 | 30 | | 121,00 € |
| | AHFM-L003-D16-C16-L100-Z02-F | 16 | 2 | 16 | 100 | 30 | | 182,00 € |
| | AHFM-L003-D16-C16-L130-Z02-H | 16 | 2 | 16 | 100 | 30 | | 137,00 € |
| | AHFM-L003-D16-C15-L160-Z02 | 16 | 2 | 16 | 130 | 40 | | 146,00 € |
| | AHFM-L003-D16-C16-L160-Z02 | 16 | 2 | 16 | 160 | 50 | | 151,00 € |
| | AHFM-L003-D16-C16-L160-Z02-H | 16 | 2 | 16 | 160 | 100 | | 151,00 € |
| | AHFM-L003-D17-C16-L180-Z02 | 17 | 2 | 16 | 180 | 30 | | 182,00 € |
| | AHFM-L003-D20-C20-L130-Z03 | 20 | 3 | 20 | 130 | 40 | | 197,00 € |
| | AHFM-L003-D20-C20-L130-Z03-H | 20 | 3 | 20 | 130 | 40 | LOGU 0303.. | 197,00 € |
| | AHFM-L003-D20-C20-L160-Z03 | 20 | 3 | 20 | 160 | 80 | FOR KYCR | 197,00 € |
| | AHFM-L003-D20-C20-L160-Z03-H | 20 | 3 | 20 | 160 | 100 | INSERT. | 197,00 € |
| | AHFM-L003-D21-C20-L150-Z03-H | 21 | 3 | 20 | 150 | 30 | | 197,00 € |
| | AHFM-L003-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 30 | | 238,00 € |
| | AHFM-L003-D21-C20-L200-Z03-H | 21 | 3 | 20 | 200 | 30 | | 285,00 € |
| | AHFM-L003-D25-C25-L140-Z04 | 25 | 4 | 25 | 140 | 50 | | 218,00 € |
| | AHFM-L003-D25-C25-L140-Z04-F | 25 | 4 | 25 | 140 | 50 | | 327,00 € |
| | AHFM-L003-D25-C25-L180-Z04 | 25 | 4 | 25 | 180 | 100 | | 282,00 € |
| | AHFM-L003-D26-C25-L250-Z04 | 26 | 4 | 25 | 250 | 40 | | 387,00 € |
| | AHFM-L003-D32-C32-L200-Z05 | 32 | 5 | 32 | 200 | 120 | | 355,00 € |
| | AHFM-L003-D33-C32-L250-Z05 | 33 | 5 | 32 | 250 | 40 | | 438,00 € |
| | AHFM-LP0102-D10-C09-L120-Z02 | 10 | 2 | 9 | 120 | 20 | LPGT 0102.. | 140,00 € |
| | AHFM-LP0102-D10-C10-L120-Z02 | 10 | 2 | 10 | 120 | 20 | FOR KYCR | 140,00 € |
| | AHFM-LP0102-D12-C11-L120-Z02 | 12 | 2 | 11 | 120 | 20 | INSERT. | 140,00 € |
| | AHFM-LP0102-D12-C12-L120-Z02 | 12 | 2 | 12 | 120 | 20 | | 140,00 € |
| | | | | | | | | |
| | | | | | | | | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-JD1204-D32-C32-L150-Z02

## S - SYSTEM HIGHFEED END MILLS / *S - SYSTEM HOCHGESCHWINDIGKEITS*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-SD06T2-D16-C16-L100-Z02-H | 16 | 2 | 16 | 100 | 50 | | 117,00 € |
| AHFM-SD06T2-D16-C16-L150-Z02-H | 16 | 2 | 16 | 150 | 50 | | 141,00 € |
| AHFM-SD06T2-D16-C16-L200-Z02 | 16 | 2 | 16 | 200 | 100 | SD.. 06T2.. | 175,00 € |
| AHFM-SD06T2-D17-C16-L150-Z02-H | 17 | 2 | 16 | 150 | 50 | FOR ZCC | 141,00 € |
| AHFM-SD06T2-D20-C20-L150-Z03-H | 20 | 3 | 20 | 150 | 50 | INSERT. | 162,00 € |
| AHFM-SD06T2-D20-C20-L200-Z03 | 20 | 3 | 20 | 200 | 100 | | 204,00 € |
| AHFM-SD06T2-D21-C20-L150-Z03-H | 21 | 3 | 20 | 150 | 50 | | 162,00 € |
| AHFM-SD06T2-D25-C25-L150-Z04-H | 25 | 4 | 25 | 150 | 60 | | 182,00 € |
| AHFM-SD06T2-D26-C25-L150-Z04-H | 26 | 4 | 25 | 150 | 60 | | 182,00 € |
| AHFMC-SD09T3-D22-W20-L150-Z02 | 22 | 2 | 20 | 150 | 30 | | 138,00 € |
| AHFMC-SD09T3-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 94 | | 138,00 € |
| AHFMC-SD09T3-D25-W25-L150-Z02 | 25 | 2 | 25 | 150 | 94 | SD.. 09T3.. | 138,00 € |
| AHFMC-SD09T3-D28-C25-L150-Z02 | 28 | 2 | 25 | 150 | 30 | FOR ZCC | 141,00 € |
| AHFMC-SD09T3-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 100 | INSERT. | 158,00 € |
| AHFMC-SD09T3-D32-W32-L150-Z03 | 32 | 3 | 32 | 150 | 90 | | 158,00 € |
| AHFM-SD09T3-D25-C25-L150-Z03 | 25 | 3 | 25 | 150 | 60 | | 151,00 € |
| AHFM-SD09T3-D32-C32-L150-Z04 | 32 | 4 | 25 | 150 | 60 | | 172,00 € |

| CODE / *TYP* | DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-SO0803-D20-W20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | SOMW 080315 | 131,00 € |
| AHFM-SO0803-D25-W25-L150-Z03 | 25 | 3 | 25 | 150 | 50 | FOR KPTK | 143,00 € |
| AHFM-SO0803-D32-W32-L150-Z04 | 32 | 4 | 32 | 150 | 50 | INSERT. | 156,00 € |

| CODE / *TYP* | DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-SP1004-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 50 | SPNW 1004.. | 159,00 € |
| AHFM-SP1004-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 50 | FOR DJT | 183,00 € |
| | | | | | | INSERT. | |

| CODE / *TYP* | DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-YO0602-D10-C09-L120-Z02-F | 10 | 2 | 9 | 120 | 15 | | 200,00 € |
| AHFM-YO0602-D10-C10-L080-Z02-F | 10 | 2 | 10 | 80 | 20 | | 200,00 € |
| AHFM-YO0602-D10-C10-L120-Z02-F | 10 | 2 | 10 | 120 | 60 | | 200,00 € |
| AHFM-YO0602-D10-C10-L120-Z02-H-F | 10 | 2 | 10 | 120 | 60 | | 200,00 € |
| AHFM-YO0602-D10-C10-L120-Z02-H | 10 | 2 | 10 | 120 | 60 | | 134,00 € |
| AHFM-YO0602-D12-C11-L120-Z02-F | 12 | 2 | 11 | 120 | 15 | | 200,00 € |
| AHFM-YO0602-D12-C11-L120-Z02-H-F | 12 | 2 | 11 | 120 | 15 | YOHW 0602.. | 200,00 € |
| AHFM-YO0602-D12-C11-L120-Z02-H | 12 | 2 | 11 | 120 | 15 | FOR DJT | 134,00 € |
| AHFM-YO0602-D12-C11-L120-Z03-F | 12 | 3 | 11 | 120 | 15 | INSERT. | 226,00 € |
| AHFM-YO0602-D12-C12-L080-Z02-F | 12 | 2 | 12 | 80 | 20 | | 200,00 € |
| AHFM-YO0602-D12-C12-L080-Z03-F | 12 | 3 | 12 | 80 | 20 | | 226,00 € |
| AHFM-YO0602-D12-C12-L120-Z02-F | 12 | 2 | 12 | 120 | 60 | | 200,00 € |
| AHFM-YO0602-D12-C12-L120-Z02-H | 12 | 2 | 12 | 120 | 60 | | 134,00 € |
| AHFM-YO0602-D12-C12-L120-Z03-F | 12 | 3 | 12 | 120 | 60 | | 226,00 € |
| AHFM-YO0602-D12-C12-L120-Z03-H | 12 | 3 | 12 | 120 | 60 | | 152,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-SD06T2-D16-C16-L100-Z02-H

## S - SYSTEM HIGHFEED END MILLS / *S - SYSTEM HOCHGESCHWINDIGKEITS*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AHFM-YP1003-D16-C15-L150-Z02-F | 16 | 2 | 15 | 150 | 20 | | 167,00 € |
| | AHFM-YP1003-D16-C15-L200-Z02-F | 16 | 2 | 15 | 200 | 20 | | 248,00 € |
| | AHFM-YP1003-D16-C16-L150-Z02-F | 16 | 2 | 16 | 150 | 50 | | 167,00 € |
| | AHFM-YP1003-D17-C16-L150-Z02-F | 17 | 2 | 16 | 150 | 20 | | 167,00 € |
| | AHFM-YP1003-D17-C16-L200-Z02-F | 17 | 2 | 16 | 200 | 20 | | 248,00 € |
| | AHFM-YP1003-D20-C18-L150-Z03-F | 20 | 3 | 18 | 150 | 25 | | 200,00 € |
| | AHFM-YP1003-D20-C18-L200-Z03-F | 20 | 3 | 18 | 200 | 25 | | 301,00 € |
| | AHFM-YP1003-D20-C20-L150-Z03-F | 20 | 3 | 20 | 150 | 50 | | 200,00 € |
| | AHFM-YP1003-D21-C20-L150-Z03-F | 21 | 3 | 20 | 150 | 20 | YPHW 1003.. | 200,00 € |
| | AHFM-YP1003-D21-C20-L150-Z03-H | 21 | 3 | 20 | 150 | 20 | FOR DJT | 160,00 € |
| | AHFM-YP1003-D21-C20-L150-Z04-F | 21 | 4 | 20 | 150 | 20 | INSERT. | 236,00 € |
| | AHFM-YP1003-D21-C20-L200-Z03 | 21 | 3 | 20 | 200 | 20 | | 301,00 € |
| | AHFM-YP1003-D21-C20-L200-Z03-F | 21 | 3 | 20 | 200 | 20 | | 301,00 € |
| | AHFM-YP1003-D25-C20-L150-Z04-F | 25 | 4 | 20 | 150 | 25 | | 214,00 € |
| | AHFM-YP1003-D25-C20-L200-Z04-F | 25 | 4 | 20 | 200 | 25 | | 321,00 € |
| | AHFM-YP1003-D25-C25-L150-Z04-F | 25 | 4 | 25 | 150 | 50 | | 214,00 € |
| | NEW AHFM-YP1003-D25-C25-L150-Z04-H | 25 | 4 | 25 | 150 | 50 | | 167,00 € |
| | AHFM-YP1003-D26-C25-L150-Z04 | 26 | 4 | 25 | 150 | 30 | | 143,00 € |
| | AHFM-YP1003-D26-C25-L150-Z04-F | 26 | 4 | 25 | 150 | 30 | | 214,00 € |
| | AHFM-YP1003-D26-C25-L200-Z03-F | 26 | 3 | 25 | 200 | 30 | | 301,00 € |
| | AHFM-YP1003-D26-C25-L200-Z04-F | 26 | 4 | 25 | 200 | 30 | | 321,00 € |
| | NEW AHFM-YP1003-D26-C25-L250-Z04-F | 26 | 4 | 25 | 250 | 30 | | 385,00 € |
| | NEW AHFM-YP1003-D33-C32-L200-Z04-F | 33 | 4 | 32 | 200 | 30 | | 347,00 € |
| | NEW AHFM-YP1003-D33-C32-L250-Z04-F | 33 | 4 | 32 | 250 | 30 | | 435,00 € |
| -° | NEW AHFM-YP1003-D33-C32-L300-Z04-F | 33 | 4 | 32 | 300 | 30 | | 521,00 € |
| | AHFM-WD0503D-D20-C20-L150-Z02 | 20 | 2 | 20 | 150 | 50 | WDMT 0503.. | 112,00 € |
| | AHFM-WD0503D-D21-C20-L150-Z02 | 21 | 2 | 20 | 150 | 30 | FOR DJT INSERT. | 138,00 € |
| | AHFMC-WD06T3D-D26-C25-L200-Z02 | 26 | 2 | 25 | 200 | 30 | WDHW 06T3.. | 182,00 € |
| | AHFMC-WD06T3D-D33-C32-L200-Z03 | 33 | 3 | 32 | 200 | 32 | FOR DJT | 210,00 € |
| | | | | | | | INSERT. | |
| -° | | | | | | | | |
| | AHFM-WD0603-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 70 | WDMT 0603.. | 237,00 € |
| | AHFM-WD0603-D20-C20-L150-Z03 | 20 | 3 | 20 | 150 | 70 | FOR SMTM INSERT. | 251,00 € |
| | AHFMC-WD0804-D25-C25-L150-Z02 | 25 | 2 | 25 | 150 | 70 | WDMT 0804.. | 181,00 € |
| | AHFMC-WD0804-D32-C32-L150-Z03 | 32 | 3 | 32 | 150 | 70 | FOR SMTM INSERT. | 214,00 € |
| | AHFMC-WD1205-D32-C32-L150-Z02 | 32 | 2 | 32 | 150 | 70 | WDMT 1205.. | 182,00 € |
| | | | | | | | FOR SMTM | |
| -° | | | | | | | INSERT. | |
| | AHFM-WO04T2D-D16-C16-L150-Z02 | 16 | 2 | 16 | 150 | 20 | WOMW 04T2.. | 115,00 € |
| | AHFM-WO04T2D-D17-C16-L150-Z02 | 17 | 2 | 16 | 150 | 20 | FOR DJT | 120,00 € |
| | | | | | | | INSERT. | |
| -° | | | | | | | | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-YP1003-D16-C15-L150-Z02-F

## S - SYSTEM HIGHFEED END MILLS / *S - SYSTEM HOCHGESCHWINDIGKEITS*

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AHFM-WN0603-D16-C16-L110-Z02-H | 16 | 2 | 16 | 110 | 30 | | 123,00 € |
| AHFM-WN0603-D16-C16-L150-Z02-H | 16 | 2 | 16 | 150 | 70 | WNMX 0603.. | 153,00 € |
| AHFM-WN0603-D17-C16-L150-Z02-H | 17 | 2 | 16 | 150 | 20 | FOR KRLY | 153,00 € |
| AHFM-WN0603-D20-C20-L150-Z02-H | 20 | 2 | 20 | 150 | 70 | INSERT. | 158,00 € |
| AHFM-WN0603-D20-C20-L200-Z02-H | 20 | 2 | 20 | 200 | 100 | | 222,00 € |
| AHFM-WN0603-D21-C20-L150-Z02-H | 21 | 2 | 20 | 150 | 20 | | 158,00 € |
| AHFM-WN09T3-D25-W25-L120-Z02-H | 25 | 2 | 25 | 120 | 40 | | 162,00 € |
| AHFML-WN09T3-D25-W25-L120-Z02-H | 25 | 2 | 25 | 120 | 40 | | 162,00 € |
| AHFM-WN09T3-D25-C25-L200-Z02 | 25 | 2 | 25 | 200 | 120 | WNMX 09T3.. | 237,00 € |
| AHFM-WN09T3-D30-W25-L120-Z03-H | 30 | 3 | 25 | 120 | 30 | FOR KRLY | 183,00 € |
| AHFM-WN09T3-D32-W32-L120-Z03-H | 32 | 3 | 32 | 120 | 30 | INSERT. | 183,00 € |
| AHFM-WN09T3-D32-W32-L200-Z03-H | 32 | 3 | 32 | 200 | 100 | | 304,00 € |
| AHFM-WN09T3-D35-W32-L200-Z04-H | 35 | 4 | 32 | 200 | 50 | | 334,00 € |
| AHFM-WN09T3-D40-W32-L120-Z04-H | 40 | 4 | 32 | 120 | 30 | | 204,00 € |
| AHFM-WN09T3-D40-C32-L200-Z04 | 40 | 4 | 32 | 200 | 30 | | 269,00 € |
| AHFM-WN1305-D32-C32-L150-Z02-H | 32 | 2 | 32 | 150 | 70 | WNMX 1305.. | 183,00 € |
| AHFM-WN1305-D32-C32-L200-Z02-H | 32 | 2 | 32 | 200 | 120 | FOR KRLY | 304,00 € |
| AHFM-WN1305-D40-C32-L200-Z03-H | 40 | 3 | 32 | 200 | 30 | INSERT. | 367,00 € |

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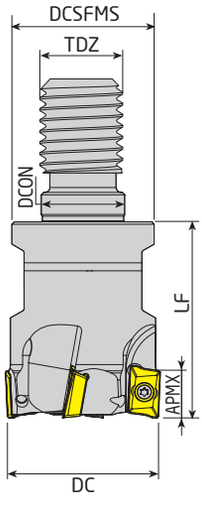
Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-WN0603-D16-C16-L110-Z02-H

## MODULAR END MILLS (SCREW TYPE TOOLS) / *EINSCHRAUBFRÄSER*




90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| AEM90-AP0903-D20-M12-L35-Z03 | 20 | 3 | 18 | M12 | 35 | 12.5 | APMT 0903.. | 126,00 € |
| AEM90-AP0903-D25-M12-L35-Z03 | 25 | 3 | 21 | M12 | 35 | 12.5 | FOR KRLY INSERT. | 131,00 € |
| AEM90-AP10-D16-M08-L30-Z02-H | 16 | 2 | 14.75 | M08 | 30 | 8.5 | | 107,00 € |
| AEM90-AP10-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | | 126,00 € |
| AEM90-AP10-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | AP.. 1003.. | 131,00 € |
| AEM90-AP10-D32-M16-L35-Z04-H | 32 | 4 | 29 | M16 | 35 | 17 | FOR ISO | 152,00 € |
| AEM90-AP10-D32-M16-L40-Z04-H | 32 | 4 | 29 | M16 | 40 | 17 | INSERT. | 152,00 € |
| AEM90-AP10-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEM90-AP10-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEM90-AP10D-D16-M08-L30-Z02-H | 16 | 2 | 14.75 | M08 | 30 | 8.5 | | 107,00 € |
| AEM90-AP10D-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | AP.. 1003.. | 126,00 € |
| AEM90-AP10D-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | FOR DJT INSERT. | 131,00 € |
| AEM90-AP11-D16-M08-L30-Z02-H | 16 | 2 | 14.75 | M08 | 30 | 8.5 | | 107,00 € |
| AEM90-AP11-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | AP.. 11T3.. | 126,00 € |
| AEM90-AP11-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | FOR ZCC | 131,00 € |
| AEM90-AP11-D32-M16-L35-Z04-H | 32 | 4 | 29 | M16 | 35 | 17 | INSERT. | 152,00 € |
| AEM90-AP11-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 173,00 € |
| AEM90-AP16-D25-M12-L43-Z02-H | 42 | 4 | 29 | M16 | 43 | 17 | | 131,00 € |
| AEM90-AP16-D32-M16-L43-Z03-H | 25 | 2 | 21 | M12 | 43 | 12.5 | | 152,00 € |
| AEM90-AP16-D40-M16-L43-Z04-H | 32 | 3 | 29 | M16 | 43 | 17 | AP.. 1604.. | 175,00 € |
| AEM90-AP16-D42-M16-L43-Z04 | 40 | 4 | 29 | M16 | 43 | 17 | FOR ISO | 175,00 € |
| AEM90-AP16-D42-M16-L43-Z04-H | 42 | 4 | 29 | M16 | 43 | 17 | INSERT. | 175,00 € |
| AEM90-AP16DJ-D25-M12-L43-Z02-H | 25 | 2 | 21 | M12 | 43 | 12.5 | AP.. 1604.. | 131,00 € |
| AEM90-AP16DJ-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR DJT | 152,00 € |
| AEM90-AP16DJ-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | INSERT. | 175,00 € |
| AEM90-AP16L-D25-M12-L43-Z02-H | 25 | 2 | 21 | M12 | 43 | 12.5 | AP.. 1604.. | 131,00 € |
| AEM90-AP16L-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR LMNA | 152,00 € |
| AEM90-AP16L-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | INSERT. | 175,00 € |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AEM90-AO1236-D16-M08-L30-Z02 | 16 | 2 | 14.8 | M08 | 30 | 8.5 | AO.. 1236.. | 153,00 € |
| AEM90-AO1236-D20-M10-L35-Z03 | 20 | 3 | 18 | M10 | 35 | 10.5 | FOR MTSBH | 180,00 € |
| | | | | | | | INSERT. | |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AEM90-AD1505D-D25-M12-L43-Z02-H | 25 | 2 | 21 | M12 | 43 | 12.5 | ADKT 150508 | 155,00 € |
| AEM90-AD1505D-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR DJT | 169,00 € |
| | | | | | | | INSERT. | |



Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AP0903-D20-M12-L35-Z03

## MODULAR END MILLS (SCREW TYPE TOOLS) / *EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| 90° | AEM90-AX1235-D16-M08-L30-Z02-H | 16 | 2 | 14.75 | M08 | 30 | 8.5 | AX.T 1235.. | 139,00 € |
| | AEM90-AX1235-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR SMTM | 158,00 € |
| | AEM90-AX1235-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | INSERT. | 185,00 € |
| | AEM90-AX1705-D25-M12-L43-Z02-H | 25 | 2 | 21 | M12 | 43 | 12.5 | AX.T 1705.. | 167,00 € |
| | AEM90-AX1705-D32-M16-L43-Z02-H | 32 | 2 | 29 | M16 | 43 | 17 | FOR SMTM | 181,00 € |
| | | | | | | | | INSERT. | |
| 90° | AEM90-BD11T3-D16-M08-L25-Z02-H | 16 | 2 | 14.75 | M08 | 25 | 8.5 | BDMT 11T3.. | 127,00 € |
| | AEM90-BD11T3-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | FOR KYCR | 148,00 € |
| | AEM90-BD11T3-D32-M16-L40-Z05-H | 32 | 5 | 29 | M16 | 40 | 17 | INSERT. | 173,00 € |
| 90° | AEM90-DC07-D20-M10-L30-Z02-H | 20 | 2 | 18 | M10 | 30 | 10.5 | DC.T 0702.. | 126,00 € |
| | AEM90-DC07-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | FOR ISO | 143,00 € |
| | AEM90-DC07-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | INSERT. | 162,00 € |
| | AEM90-DC07-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 173,00 € |
| | AEM90-DC11-D32-M16-L43-Z03-H-F | 32 | 3 | 29 | M16 | 43 | 17 | DC.T 11T3.. | 262,00 € |
| | AEM90-DC11-D40-M16-L43-Z03-H-F | 40 | 3 | 29 | M16 | 43 | 17 | FOR ISO | 262,00 € |
| | | | | | | | | INSERT. | |
| 90° | AEM90-R390.11-D16-M08-L30-Z02-H | 16 | 2 | 14.75 | M08 | 30 | 8.5 | R390-11T3.. | 131,00 € |
| | AEM90-R390.11-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR SNDVK | 152,00 € |
| | AEM90-R390.11-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | INSERT. | 158,00 € |
| | AEM90-R390.11-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | | 171,00 € |
| 90° | AEM90-RT10-D16-M08-L20-Z02-H | 16 | 2 | 14.75 | M08 | 20 | 8.5 | RT 1003.. | 129,00 € |
| | AEM90-RT10-D20-M10-L25-Z03-H | 20 | 3 | 18 | M10 | 25 | 10.5 | FOR SFTY | 146,00 € |
| | AEM90-RT10-D25-M12-L30-Z04-H | 25 | 4 | 21 | M12 | 30 | 12.5 | INSERT. | 152,00 € |
| | AEM90-RT10-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | | 170,00 € |
| | AEM90-RT10-D42-M16-L43-Z06-H | 42 | 6 | 29 | M16 | 43 | 17 | | 195,00 € |
| 90° | NEW AEM90-TNG10-D20-M10-L26-Z02-H | 20 | 2 | 18 | M10 | 26 | 10.5 | TNGX 1004.. | 146,00 € |
| | NEW AEM90-TNG10-D20-M10-L26-Z03-H | 20 | 3 | 18 | M10 | 26 | 10.5 | FOR PRMT | 165,00 € |
| | AEM90-TNG10-D21-M10-L25-Z03-H | 21 | 3 | 18 | M10 | 25 | 10.5 | INSERT. | 165,00 € |
| | NEW AEM90-TNG10-D25-M12-L33-Z03-H | 25 | 3 | 21 | M12 | 33 | 12.5 | | 175,00 € |
| | NEW AEM90-TNG10-D25-M12-L33-Z04-H | 24 | 4 | 21 | M12 | 33 | 12.5 | | 187,00 € |
| | AEM90-TNG10-D26-M12-L30-Z04-H | 26 | 4 | 21 | M12 | 30 | 12.5 | | 160,00 € |
| | NEW AEM90-TNG10-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | | 187,00 € |
| | NEW AEM90-TNG10-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | | 211,00 € |
| | AEM90-TNG10-D33-M16-L43-Z05-H | 33 | 5 | 29 | M16 | 43 | 17 | | 211,00 € |
| | AEM90-TNG10-D35-M16-L43-Z05-H | 35 | 5 | 29 | M16 | 43 | 17 | | 223,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-AX1235-D16-M08-L30-Z02-H

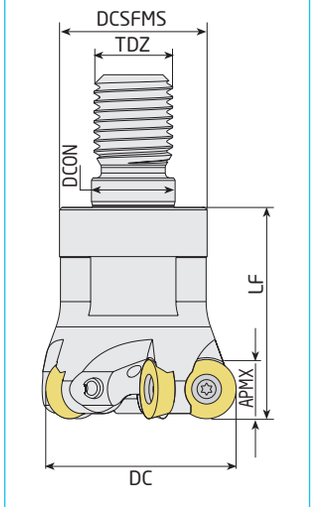
## MODULAR END MILLS (SCREW TYPE TOOLS) / *EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| 90° | AEM90-WN0604Z-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | WNHU 0604.. | 155,00 € |
| | AEM90-WN0604Z-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR ZCC | 170,00 € |
| | AEM90-WN0604Z-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | INSERT. | 194,00 € |
| 90° | AEM90-3P1004-D20-M10-L35-Z02 | 20 | 2 | 18 | M10 | 35 | 10.5 | 3P.T 1004 | 152,00 € |
| | AEM90-3P1004-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | FOR TGTC | 182,00 € |
| | | | | | | | | INSERT. | |
| 90° | AEM90-XN0403-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | XNEX 0403.. | 211,00 € |
| | AEM90-XN0403-D42-M16-L43-Z06-H | 42 | 6 | 29 | M16 | 43 | 17 | FOR SC | 233,00 € |
| | | | | | | | | INSERT. | |
| 95° | AEM95-XD0206-D16-M08-L23-Z02-H | 16 | 2 | 14.75 | M08 | 23 | 8.5 | | 107,00 € |
| | AEM95-XD0206-D16-M08-L23-Z02-H-F | 16 | 2 | 14.75 | M08 | 23 | 8.5 | XDHW 0206.. | 160,00 € |
| | AEM95-XD0206-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR DJT | 126,00 € |
| | AEM95-XD0206-D20-M10-L30-Z03-H-F | 20 | 3 | 18 | M10 | 30 | 10.5 | INSERT. | 188,00 € |
| | AEM95-XD0206-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | | 197,00 € |
| | AEM95-XD0206-D25-M12-L35-Z03-H-F | 25 | 3 | 21 | M12 | 35 | 12.5 | | 197,00 € |
| | AEM95C-XD0310-D35-M16-L43-Z03-H | 35 | 3 | 29 | M16 | 43 | 17 | | 152,00 € |
| | AEM95C-XD0310-D35-M16-L43-Z03-H-F | 35 | 3 | 29 | M16 | 43 | 17 | XDHW 0310.. | 226,00 € |
| | AEM95C-XD0310-D42-M16-L43-Z04-H | 42 | 4 | 29 | M16 | 43 | 17 | FOR DJT | 263,00 € |
| | AEM95C-XD0310-D42-M16-L43-Z04-H-F | 42 | 4 | 29 | M16 | 43 | 17 | INSERT. | 263,00 € |
| -° | AEMR-RC10T3-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | RC.. 10T3.. | 157,00 € |
| | AEMR-RC10T3-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | FOR ZCC | 173,00 € |
| | AEMR-RC10T3-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | INSERT. | 193,00 € |
| -° | AEMR-RP08T2M-D20-M10-L30-Z02-H | 20 | 2 | 18 | M10 | 30 | 10.5 | RPMT 08T2.. | 144,00 € |
| | AEMR-RP10T3M-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | RPMT 10T3.. | 151,00 € |
| | AEMR-RP10T3M-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR MTSBSH INSERT. | 169,00 € |
| | AEMR-RP1204M-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | RPMT 1204.. | 169,00 € |
| | AEMR-RP1204M-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | FOR MTSBH | 193,00 € |
| | | | | | | | | INSERT. | |
| -° | AEMR-RP10T3-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | RPNX 10T3.. | 164,00 € |
| | AEMR-RP10T3-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR CRTZT | 181,00 € |
| | AEMR-RP1204-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | INSERT. | 181,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEM90-WN0604Z-D25-M12-L35-Z02-H

## MODULAR END MILLS (SCREW TYPE TOOLS) / *EINSCHRAUBFRÄSER*




| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| NEW AEMR-RY10-D25-M12-L43-Z03-H | 25 | 2 | 21 | M12 | 43 | 12.5 | RYMX 1004.. | 186,00 € |
| AEMR-RY10-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | FOR TGTC INSERT. | 198,00 € |
| AEMR-RY10-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 218,00 € |
| AEMR-RY12-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | RYMX 1205.. | 180,00 € |
| AEMR-RY12-D40-M16-L43-Z03-H | 40 | 3 | 29 | M16 | 43 | 17 | FOR TGTC INSERT. | 195,00 € |
| AEMRC-RD10T3-D20-M10-L30-Z02 | 20 | 2 | 18 | M10 | 30 | 10.5 | RD.. 10T3 | 114,00 € |
| AEMRC-RD10T3-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR ISO INSERT. | 152,00 € |
| AEMR-RD0702-D15-M08-L23-Z02-H | 15 | 2 | 13 | M08 | 23 | 8.5 | | 107,00 € |
| AEMR-RD0702-D16-M08-L23-Z02-H | 16 | 2 | 13 | M08 | 23 | 8.5 | | 107,00 € |
| AEMR-RD0702-D20-M10-L30-Z04-H | 20 | 4 | 18 | M10 | 30 | 10.5 | | 131,00 € |
| AEMR-RD0702-D25-M12-L35-Z05-H | 25 | 5 | 21 | M12 | 35 | 12.5 | | 152,00 € |
| AEMR-RD0702-D30-M16-L42-Z05-H | 30 | 5 | 29 | M16 | 42 | 17 | RD.. 0702 | 165,00 € |
| AEMR-RD0702-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | FOR ISO INSERT. | 165,00 € |
| AEMR-RD0702-D35-M16-L42-Z06-H | 35 | 6 | 29 | M16 | 42 | 17 | | 175,00 € |
| AEMR-RD0702-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 181,00 € |
| AEMR-RD0702-D42-M16-L43-Z07-H | 42 | 7 | 29 | M16 | 43 | 17 | | 202,00 € |
| AEMR-RD08T2-D16-M08-L23-Z02-H | 16 | 2 | 13 | M08 | 23 | 8.5 | | 127,00 € |
| AEMR-RD08T2-D16-M10-L23-Z02-H | 16 | 2 | 13 | M10 | 23 | 8.5 | RD.. 08T2 | 127,00 € |
| AEMR-RD08T2-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR ISO INSERT. | 143,00 € |
| AEMR-RD08T2-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | | 159,00 € |
| AEMR-RD0802-D16-M08-L23-Z02-H | 16 | 2 | 13 | M08 | 23 | 8.5 | RD.. 0802 | 127,00 € |
| AEMR-RD0803-D16-M08-L23-Z02-H | 16 | 2 | 13 | M08 | 23 | 8.5 | RD.. 0803 | 127,00 € |
| AEMR-RD0803-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR ISO INSERT. | 143,00 € |
| AEMR-RD0803-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | | 159,00 € |
| AEMR-RD1003-D20-M10-L30-Z02-H | 20 | 2 | 18 | M10 | 30 | 10.5 | | 114,00 € |
| AEMR-RD1003-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | | 126,00 € |
| AEMR-RD1003-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | RD.. 1003 | 131,00 € |
| AEMR-RD1003-D30-M16-L43-Z04-H | 30 | 4 | 29 | M16 | 43 | 17 | | 152,00 € |
| AEMR-RD1003-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | FOR ISO INSERT. | 152,00 € |
| AEMR-RD1003-D35-M16-L43-Z04-H | 35 | 4 | 29 | M16 | 43 | 17 | | 157,00 € |
| AEMR-RD1003-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 175,00 € |
| NEW AEMR-RD1003-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEMR-RD1004-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | RD.. 1004 | 131,00 € |
| AEMR-RD1004-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | FOR ISO INSERT | 152,00 € |
| AEMR-RD10T3-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | | 131,00 € |
| AEMR-RD10T3-D32-M16-L45-Z04-H | 32 | 4 | 29 | M16 | 45 | 17 | RD.. 10T3 | 152,00 € |
| NEW AEMR-RD10T3-D35-M16-L43-Z04-H | 35 | 4 | 29 | M16 | 43 | 17 | FOR ISO INSERT | 157,00 € |
| NEW AEMR-RD10T3-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEMR-RD12T3-D24-M12-L35-Z02-H | 24 | 2 | 21 | M12 | 35 | 12.5 | | 126,00 € |
| AEMR-RD12T3-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | RD.. 12T3 | 126,00 € |
| AEMR-RD12T3-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR ISO INSERT. | 152,00 € |
| AEMR-RD12T3-D35-M16-L43-Z03-H | 35 | 3 | 29 | M16 | 43 | 17 | | 157,00 € |
| AEMR-RD12T3-D35-M16-L43-Z04-H | 35 | 4 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEMR-RD12T3-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEMR-RD12T3-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 195,00 € |
| NEW AEMR-RD1204-D25-M12-L35-Z02-H | 21 | 2 | 21 | M12 | 35 | 12.5 | | 126,00 € |
| AEMR-RD1204-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | RD.. 1204 | 152,00 € |
| NEW AEMR-RD1204-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | FOR ISO INSERT | 175,00 € |
| AEMR-RD1204-D42-M16-L43-Z04-H | 42 | 4 | 29 | M16 | 43 | 17 | | 175,00 € |
| AEMR-RD1604-D32-M16-L43-Z02-H | 32 | 2 | 29 | M16 | 43 | 17 | | 170,00 € |
| AEMR-RD1604-D40-M16-L43-Z02-H | 40 | 2 | 29 | M16 | 43 | 17 | RD.. 1604 | 175,00 € |
| AEMR-RD1604-D42-M16-L43-Z03-H | 42 | 3 | 29 | M16 | 43 | 17 | FOR ISO INSERT | 195,00 € |

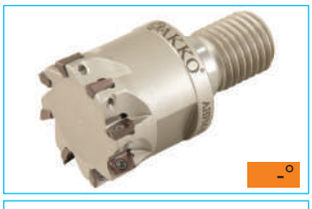
Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEMR-RY10-D25-M12-L43-Z03-H

## MODULAR END MILLS (SCREW TYPE TOOLS) / *EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | AEMR-RP10T3A-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | RPMW 10T3.. | 173,00 € |
| | AEMR-RP10T3A-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | FOR ACHTK INSERT. | 193,00 € |
| | AEMR-RP10T3K-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | RPMT 10T3.. | 173,00 € |
| | AEMR-RP10T3K-D42-M16-L43-Z05-H | 43 | 5 | 29 | M16 | 43 | 17 | FOR KYCR INSERT. | 193,00 € |
| | AEMR-QP10T3-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | QP.. 10T3.. | 181,00 € |
| | AEMR-QP10T3-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR SMTM INSERT. | 199,00 € |

## S - SYSTEM MODULAR (SCREW TYPE) HIGHFEED END MILLS / *SYSTEM HOCHGESCHWINDIGKEITS - EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | AHFM-BL0603-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | BLMP 0603 | 148,00 € |
| | NEW AHFM-BL0603-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | | 171,00 € |
| | AHFM-BL0603-D32-M16-L40-Z05-H | 32 | 5 | 29 | M16 | 40 | 17 | | 178,00 € |
| | AHFM-BL0904-D32-M16-L40-Z04-H | 32 | 4 | 29 | M16 | 40 | 17 | BLMP 0904 | 178,00 € |
| | AHFM-BL0904-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | FOR TGTC INSERT. | 178,00 € |
| | AHFM-BL0904-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 193,00 € |
|  | AHFM-ED0702-D12-M06-L20-Z03 | 12 | 3 | 10 | M06 | 20 | 6.5 | EDMT 0702 | 148,00 € |
| | AHFM-ED0702-D16-M08-L25-Z04-H | 16 | 4 | 14.75 | M08 | 25 | 8.5 | JDMT 070204 | 171,00 € |
| | AHFM-ED0702-D20-M10-L30-Z05-H | 20 | 5 | 18 | M10 | 30 | 10.5 | FOR HTCH INSERT. | 195,00 € |
| | AHFM-ED0702-D25-M12-L30-Z06-H | 25 | 6 | 21 | M12 | 30 | 12.5 | | 223,00 € |
| | AHFM-ED0702-D32-M16-L30-Z08-H | 32 | 8 | 29 | M16 | 30 | 17 | | 269,00 € |
| | NEW AHFM-EP1003-D16-M08-L23-Z02 | 16 | 2 | 14.75 | M08 | 23 | 8.5 | EP.. 1003.. | 125,00 € |
| | AHFM-EP1003-D16-M08-L23-Z02-H | 16 | 2 | 14.75 | M08 | 23 | 8.5 | ZPMT 1003.. | 125,00 € |
| | NEW AHFM-EP1003-D20-M10-L30-Z03 | 20 | 3 | 18 | M10 | 30 | 10.5 | YPHW 1003.. | 125,00 € |
| | AHFM-EP1003-D20-M10-L30-Z04-H | 20 | 4 | 18 | M10 | 30 | 10.5 | FOR DJT INSERT. | 157,00 € |
| | AHFM-EP1003-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | | 179,00 € |
| | AHFM-EP1003-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | | 192,00 € |
| | AHFM-EP1003-D35-M16-L43-Z05-H | 35 | 5 | 29 | M16 | 43 | 17 | | 192,00 € |
| | AHFM-EP1003-D42-M16-L43-Z06-H | 42 | 6 | 29 | M16 | 43 | 17 | | 195,00 € |
| | AHFM-EN1004-D16-M08-L23-Z02-H | 16 | 2 | 14.75 | M8 | 23 | 8.5 | | 138,00 € |
| | AHFM-EN1004-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | | 157,00 € |
| | AHFM-EN1004-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | ENMU 1004.. | 165,00 € |
| | AHFM-EN1004-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | FOR DJT INSERT. | 181,00 € |
| | AHFM-EN1004-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | | 197,00 € |
| | AHFM-EN1004-D35-M16-L43-Z05-H | 35 | 5 | 29 | M16 | 43 | 17 | | 197,00 € |
| | AHFM-EN1004-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 197,00 € |
| | AHFM-EN1004-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | | 197,00 € |
| | AHFM-LN0303-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | LNMU 0303.. | 213,00 € |
| | AHFM-LN0303-D32-M16-L43-Z05-H | 32 | 5 | 29 | M16 | 43 | 17 | FOR TNGLY INSERT. | 250,00 € |
| | AHFM-LN0303-D42-M16-L43-Z06-H | 42 | 6 | 29 | M16 | 43 | 17 | | 282,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AEMR-RP10T3A-D32-M16-L43-Z04-H

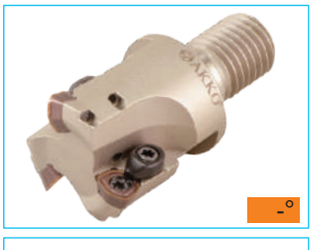
## S - SYSTEM MODULAR (SCREW TYPE) HIGHFEED END MILLS / *SYSTEM HOCHGESCHWINDIGKEITS - EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | | DC | ZEFP | DCSFMS | TDZ | LF | DCON | | |
| | AHFM-L003-D20-M10-L30-Z04-H-F | 20 | 4 | 18 | M10 | 30 | 10.5 | | 290,00 € |
| | AHFM-L003-D25-M12-L35-Z04-H-F | 25 | 4 | 21 | M12 | 35 | 12.5 | | 290,00 € |
| | AHFM-L003-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | | 194,00 € |
| | AHFM-L003-D32-M16-L40-Z05-H-F | 32 | 5 | 29 | M16 | 40 | 17 | | 346,00 € |
| | AHFM-L003-D32-M16-L40-Z05-H | 32 | 5 | 29 | M16 | 40 | 17 | LOGU 0303.. | 229,00 € |
| | AHFM-L003-D32-M16-L40-Z06-H-F | 32 | 6 | 29 | M16 | 40 | 17 | FOR KYCR | 374,00 € |
| | AHFM-L003-D32-M16-L40-Z06-H | 32 | 6 | 29 | M16 | 40 | 17 | INSERT. | 250,00 € |
| | AHFM-L003-D35-M16-L40-Z05-H | 35 | 5 | 29 | M16 | 40 | 17 | | 229,00 € |
| | AHFM-L003-D35-M16-L40-Z06-H | 35 | 6 | 29 | M16 | 40 | 17 | | 250,00 € |
| | AHFM-L003-D42-M16-L40-Z05-H | 42 | 5 | 29 | M16 | 40 | 17 | | 286,00 € |
| | AHFM-L003-D42-M16-L40-Z06-H | 42 | 6 | 29 | M16 | 40 | 17 | | 318,00 € |
| | AHFM-JD1003-D16-M08-L30-Z02-H | 16 | 2 | 14.75 | M8 | 30 | 8.5 | JDMT 1003.. | 175,00 € |
| | AHFM-JD1003-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR HTCH | 199,00 € |
| | | | | | | | | INSERT. | |
| | AHFM-SD1205-D32-M16-L40-Z03-H | 32 | 3 | 29 | M16 | 40 | 17 | SD.. 1205.. | 213,00 € |
| | AHFM-SD1205-D35-M16-L40-Z03-H | 35 | 3 | 29 | M16 | 40 | 17 | FOR HTCH | 213,00 € |
| | AHFM-SD1205-D40-M16-L43-Z03-H | 40 | 3 | 29 | M16 | 43 | 17 | INSERT. | 222,00 € |
| | AHFM-SD1205-D42-M16-L43-Z03-H | 42 | 3 | 29 | M16 | 43 | 17 | | 222,00 € |
| | AHFMC-JD1204-D32-M16-L43-Z02-H | 32 | 2 | 29 | M16 | 43 | 17 | JDMW 1204.. | 185,00 € |
| | AHFMC-JD1204-D42-M16-L43-Z03-H | 42 | 3 | 29 | M16 | 43 | 17 | FOR MTSBH | 233,00 € |
| | | | | | | | | INSERT. | |
| | AHFM-SP0735-D16-M08-L23-Z02-H | 16 | 2 | 14.75 | M08 | 23 | 8.5 | SPMX 073505 | 143,00 € |
| | AHFM-SP0735-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR MTSBH | 160,00 € |
| | AHFM-SP0735-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | INSERT. | 179,00 € |
| | AHFM-SP0945-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | SPMX 094506 | 170,00 € |
| | AHFM-SP0945-D35-M16-L43-Z04-H | 35 | 4 | 29 | M16 | 43 | 17 | FOR MTSBH | 170,00 € |
| | AHFM-SP0945-D42-M16-L43-Z05-H | 42 | 5 | 29 | M16 | 43 | 17 | INSERT. | 192,00 € |
| | AHFM-SD06T2-D16-M08-L23-Z02-H | 16 | 2 | 14.75 | M08 | 23 | 8.5 | SD.. 06T2.. | 157,00 € |
| | AHFM-SD06T2-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | FOR ZCC | 180,00 € |
| | AHFM-SD06T2-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | INSERT. | 208,00 € |
| | AHFMC-SD09T3-D25-M12-L30-Z02-H | 25 | 2 | 22 | M12 | 30 | 12.5 | SD.. 09T3.. | 168,00 € |
| | AHFMC-SD09T3-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR ZCC | 213,00 € |
| | AHFMC-SD09T3-D35-M16-L43-Z03-H | 35 | 3 | 29 | M16 | 43 | 17 | INSERT. | 213,00 € |
| | AHFMC-SD09T3-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | | 232,00 € |
| | AHFMC-SD1204-D32-M16-L43-Z02-H | 32 | 2 | 29 | M16 | 43 | 17 | SD.. 1204.. | 178,00 € |
| | AHFMC-SD1204-D40-M16-L43-Z03-H | 40 | 3 | 29 | M16 | 43 | 17 | FOR ZCC INSERT. | 205,00 € |
| | AHFM-SO0803-D20-M10-L30-Z02-H | 20 | 2 | 18 | M10 | 30 | 10.5 | | 143,00 € |
| | AHFM-SO0803-D25-M12-L35-Z03-H | 25 | 3 | 22 | M12 | 35 | 12.5 | SOMW 080315 | 162,00 € |
| | AHFM-SO0803-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR KPTK | 162,00 € |
| | AHFM-SO0803-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | INSERT. | 173,00 € |
| | AHFM-SO0803-D40-M16-L43-Z04-H | 40 | 4 | 29 | M16 | 43 | 17 | | 173,00 € |
| | AHFM-SO1004-D32-M16-L40-Z03-H | 32 | 3 | 29 | M16 | 40 | 17 | SOMT 1004.. | 213,00 € |
| | AHFM-SO1004-D40-M16-L40-Z04-H | 40 | 4 | 29 | M16 | 40 | 17 | FOR KYCR | 232,00 € |
| | AHFM-SO1004-D42-M16-L40-Z04-H | 42 | 4 | 29 | M16 | 40 | 17 | INSERT. | 232,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-L003-D20-M10-L30-Z04-H-F

## S - SYSTEM MODULAR (SCREW TYPE) HIGHFEED END MILLS / *SYSTEM HOCHGESCHWINDIGKEITS - EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCSFMS | TDZ | LF | DCON | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | AHFM-S00803P-D32-M16-L35-Z04-H | 32 | 4 | 29 | M16 | 35 | 17 | SOEW 0803 | 186,00 € |
| | AHFM-S00803P-D42-M16-L35-Z05-H | 42 | 5 | 29 | M16 | 35 | 17 | FOR PLBT INSERT. | 198,00 € |
| | AHFM-YP1003-D16-M08-L23-Z02-F | 16 | 2 | 14.75 | M08 | 23 | 8.5 | | 205,00 € |
| | AHFM-YP1003-D16-M08-L23-Z02-H-F | 16 | 2 | 14.75 | M08 | 23 | 8.5 | | 205,00 € |
| | AHFM-YP1003-D17-M08-L23-Z02-H | 17 | 2 | 14.75 | M08 | 23 | 8.5 | | 138,00 € |
| | AHFM-YP1003-D17-M08-L23-Z02-H-F | 17 | 2 | 14.75 | M08 | 23 | 8.5 | EP.. 1003.. | 205,00 € |
| | AHFM-YP1003-D20-M10-L30-Z03-H | 20 | 3 | 18 | M10 | 30 | 10.5 | YPHW 1003.. | 156,00 € |
| | AHFM-YP1003-D20-M10-L30-Z03-H-F | 20 | 3 | 18 | M10 | 30 | 10.5 | ZPMT 1003.. | 234,00 € |
| | AHFM-YP1003-D20-M10-L30-Z04-H | 20 | 4 | 18 | M10 | 30 | 10.5 | FOR DJT INSERT. | 175,00 € |
| | AHFM-YP1003-D20-M10-L30-Z04-F | 20 | 4 | 18 | M10 | 30 | 10.5 | | 263,00 € |
| | AHFM-YP1003-D21-M10-L30-Z03-H | 21 | 3 | 18 | M10 | 30 | 10.5 | | 156,00 € |
| | AHFM-YP1003-D21-M10-L30-Z03-H-F | 21 | 3 | 18 | M10 | 30 | 10.5 | | 234,00 € |
| | AHFM-YP1003-D25-M12-L35-Z04-H | 25 | 4 | 21 | M12 | 35 | 12.5 | | 175,00 € |
| | AHFM-YP1003-D25-M12-L35-Z04-F | 25 | 4 | 21 | M12 | 35 | 12.5 | | 263,00 € |
| | AHFM-YP1003-D25-M12-L35-Z04-H-F | 25 | 4 | 21 | M12 | 35 | 12.5 | | 263,00 € |
| | AHFM-YP1003-D26-M12-L35-Z04-H-F | 26 | 4 | 21 | M12 | 35 | 12.5 | | 263,00 € |
| | AHFM-YP1003-D32-M16-L30-Z05-F | 32 | 5 | 29 | M16 | 30 | 17 | | 292,00 € |
| | AHFM-YP1003-D32-M16-L43-Z05-H-F | 32 | 5 | 29 | M16 | 43 | 17 | | 292,00 € |
| | AHFM-YP1003-D40-M16-L43-Z06-H-F | 40 | 6 | 29 | M16 | 43 | 17 | | 317,00 € |
| | AHFM-YP1003-D42-M16-L43-Z06-H-F | 42 | 6 | 29 | M16 | 43 | 17 | | 317,00 € |
| | AHFM-SP1004-D25-M12-L35-Z02-H | 25 | 4 | 21 | M12 | 35 | 12.5 | SPNW 1004.. | 184,00 € |
| | AHFM-SP1004-D32-M16-L43-Z03-H | 32 | 3 | 29 | M16 | 43 | 17 | FOR DJT INSERT. | 213,00 € |
| | AHFM-SP1004-D35-M16-L43-Z03-H | 35 | 3 | 29 | M16 | 43 | 17 | | 213,00 € |
| | AHFM-SP1004-D42-M16-L43-Z04-H | 42 | 4 | 29 | M16 | 43 | 17 | | 232,00 € |
|  | AHFMC-WD0804-D25-M12-L35-Z02-H | 25 | 2 | 21 | M12 | 35 | 12.5 | WDMT 0804.. | 199,00 € |
| | AHFMC-WD0804-D32-M16-L35-Z03-H | 32 | 3 | 29 | M16 | 35 | 17 | FOR SMTM INSERT. | 234,00 € |
| | AHFM-WD0503D-D20-M10-L30-Z02-H | 20 | 2 | 18 | M10 | 30 | 10.5 | WDMT 0503.. | 168,00 € |
| | AHFM-WD0503D-D25-M12-L35-Z03-H | 25 | 3 | 21 | M12 | 35 | 12.5 | FOR DJT INSERT. | 186,00 € |
| | AHFM-WD0503D-D32-M16-L43-Z04-H | 32 | 4 | 29 | M16 | 43 | 17 | | 213,00 € |
| | AHFM-WD0503D-D40-M16-L43-Z05-H | 40 | 5 | 29 | M16 | 43 | 17 | | 223,00 € |
| | AHFMC-WD06T3D-D35-M16-L43-Z03-H | 35 | 3 | 29 | M16 | 43 | 17 | WDHW 06T3.. | 205,00 € |
| | AHFMC-WD0805D-D32-M16-L43-Z02-H | 32 | 2 | 29 | M16 | 43 | 17 | WDHW 0805.. FOR DJT INSERT. | 305,00 € |
| | AHFM-WN09T3-D32-M16-L40-Z03-H | 32 | 3 | 29 | M16 | 40 | 17 | WNMX 09T3.. | 162,00 € |
| | NEW AHFM-WN09T3-D35-M16-L40-Z04-H | 35 | 4 | 26 | M16 | 40 | 17 | FOR KRLY INSERT. | 182,00 € |
| | AHFM-WN09T3-D40-M16-L40-Z04-H | 40 | 4 | 29 | M16 | 40 | 17 | | 182,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-S00803P-D32-M16-L35-Z04-H

## BALL NOSE END MILLS / *KUGEL - KOPIERFRÄSER*

| | CODE / *TYP* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| | APMR-BNM12-D12-C12-L130 | BNM 120-S | 157,00 € |
| | APMR-BNM16-D16-C16-L175 | BNM 160-S | 145,00 € |
| | APMR-BNM16-D16-C16-L200 | FOR DJT INSERT. | 165,00 € |
| | APMR-BNM20-D20-C20-L160 | BNM 200-S | 156,00 € |
| | APMR-BNM20-D20-C20-L200 | FOR DJT | 168,00 € |
| | APMR-BNM20-D20-C20-L250 | INSERT | 192,00 € |
| | APMR-BNM25-D25-C25-L160 | BNM 250-S | 154,00 € |
| | APMR-BNM25-D25-C25-L200 | FOR DJT INSERT. | 187,00 € |
| -° | APMR-BNM25-D25-C25-L250 | | 233,00 € |
| | APMR-P3208-D08-C10-L110 | P3208 - WLTR | 143,00 € |
| | APMR-P3210-D10-C10-L130 | P3210 - WLTR | 143,00 € |
| | APMR-P3210-D10-C12-L130 | P3210 - WLTR | 143,00 € |
| | APMR-P3212-D12-C12-L130 | P3212 - WLTR | 131,00 € |
| | APMR-P3216-D16-C16-L175 | P3216 - WLTR | 143,00 € |
| | APMR-P3220-D20-C20-L200 | P3220 - WLTR | 155,00 € |
| | APMR-P3225-D25-C25-L200 | P3225 - WLTR | 159,00 € |
| | APMR-P3232-D32-C32-L200 | P3232 - WLTR | 143,00 € |
| | | FOR WLTR INSERT. | |
| -° | | | |
| | APMR-RO12-D12-C12-L120 | ROHX 1203 | 127,00 € |
| | APMR-RO12-D12-C16-L160 | FOR ZCC INSERT. | 131,00 € |
| | APMR-RO16-D16-C16-L160 | ROHX 1604 | 131,00 € |
| | APMR-RO16-D16-C16-L200 | FOR ZCC | 143,00 € |
| | APMR-RO16-D16-C20-L200 | INSERT. | 143,00 € |
| | APMR-RO20-D20-C20-L160 | ROHX 2005 | 137,00 € |
| | APMR-RO20-D20-C20-L200 | FOR ZCC | 153,00 € |
| | APMR-RO20-D20-C25-L220 | INSERT. | 159,00 € |
| -° | | | |
| | APMR-XP16-D16-C16-L150 | XPHT 16R0803 | 131,00 € |
| | APMR-XP20-D20-C20-L150 | XPHT 20R10T3 | 137,00 € |
| | APMR-XP25-D25-C25-L150 | XPHT 25R1204 | 145,00 € |
| | | FOR ZCC | |
| | | INSERT. | |
| -° | | | |

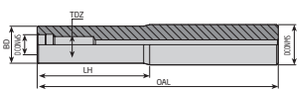
## BALL NOSE MODULAR (SCREW TYPE) END MILLS / *EINSCHRAUB - KUGELFRÄSER*

| | CODE / *TYP* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| | APMR-BNM12-D12-M06-L20 | BNM 120-S | 143,00 € |
| | APMR-BNM16-D16-M08-L23 | BNM 160-S | 166,00 € |
| | APMR-BNM20-D20-M10-L30 | BNM 200-S | 172,00 € |
| | | FOR DJT | |
| | | INSERT. | |
| -° | | | |

## BALL NOSE MODULAR (SCREW TYPE) END MILLS / *EINSCHRAUB - KUGELFRÄSER*

| | CODE / *TYP* | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|
| -° | APMR-P3216-D16-M08-L25 | P3216 - WLTR | 151,00 € |
| | APMR-P3220-D20-M10-L30 | P3220 - WLTR | 157,00 € |
| | APMR-P3225-D25-M12-L35 | P3225 - WLTR | 169,00 € |
| | APMR-P3232-D32-M16-L43 | P3232 - WLTR | 174,00 € |
| | | FOR WLTR INSERT. | |
| -° | APMR-XP16-D16-M08-L25 | XPHT 16R0803 | 162,00 € |
| | APMR-XP20-D20-M10-L30 | XPHT 20R10T3 | 172,00 € |
| | APMR-XP25-D25-M12-L40 | XPHT 25R1204 | 183,00 € |
| | | FOR ZCC INSERT. | |
| -° | APMR-SWB225-D25-M12-L35 | SWB225HM-HS | 199,00 € |
| | APMR-SWB230-D30-M16-L43 | SWB230HM-HS | 202,00 € |
| | APMR-SWB232-D32-M16-L43 | SWB232HM-HS | 205,00 € |
| | | FOR DJT INSERT. | |

## SCREWED TOOL HOLDERS / *AUFNAHME FÜR EINSCHRAUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | | DCONMS | TDZ | DCONWS | BD | OAL | LH | |
| | AVTT-D13-C16-M08-L100-H | 16 | 8 | 8.5 | 13 | 100 | 40 | 120,00 € |
| | AVTT-D15-C16-M08-L130-H | 16 | 8 | 8.5 | 15 | 130 | 70 | 131,00 € |
| | AVTT-D18-C20-M10-L130-H | 20 | 10 | 10.5 | 18 | 130 | 70 | 131,00 € |
| | AVTT-D18-C20-M10-L160-H | 20 | 10 | 10.5 | 18 | 160 | 80 | 144,00 € |
| | AVTT-D23-C25-M12-L150-H | 25 | 12 | 12.5 | 23 | 150 | 70 | 157,00 € |
| | AVTT-D23-C25-M12-L200-H | 25 | 12 | 12.5 | 23 | 200 | 100 | 204,00 € |
| | AVTT-D23-C25-M12-L250-H | 25 | 12 | 12.5 | 23 | 250 | 150 | 245,00 € |
| | AVTT-D30-C32-M16-L150-H | 32 | 16 | 17 | 30 | 150 | 70 | 162,00 € |
|  | AVTT-D30-C32-M16-L200-H | 32 | 16 | 17 | 30 | 200 | 100 | 210,00 € |
| | AVTT-D30-C32-M16-L250-H | 32 | 16 | 17 | 30 | 250 | 150 | 252,00 € |
| | AVTT-D30-C32-M16-L300-H | 32 | 16 | 17 | 30 | 300 | 200 | 282,00 € |

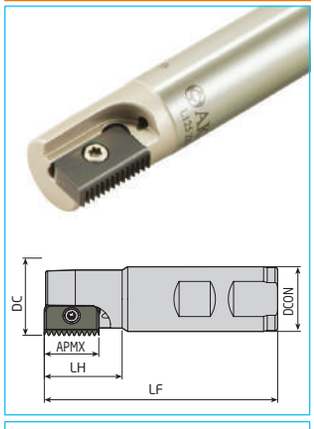
## THREAD MILLING TOOLS / *GEWINDEFRÄSWERKZEUGE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* | | | | | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| | | DC | ZEFP | DCON | LF | LH | APMX | | |
| | ATM-H23-D23-C25-L100-Z02-H | 23 | 2 | 25 | 100 | 30 | 27 | H23 | 256,00 € |
| | ATM-H32-D32-C32-L130-Z05-H | 32 | 5 | 32 | 130 | 35 | 32 | H32 | 299,00 € |
| | | | | | | | | FOR CPT INSERT. | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. APMR-P3216-D16-M08-L25

## THREAD MILLING TOOLS / *GEWINDEFRÄSWERKZEUGE*

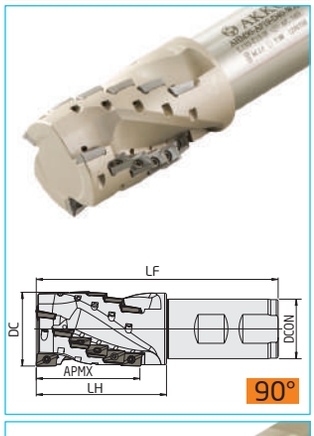



| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| ATM-C14-D14-W20-L100-Z01-H | 14 | 1 | 20 | 100 | 25 | 14 | C14 | 120,00 € |
| ATM-C21-D18-W20-L100-Z01-H | 18 | 1 | 20 | 100 | 30 | 21 | | 144,00 € |
| ATM-C21-D21-W25-L125-Z01-H | 21 | 1 | 25 | 125 | 40 | 21 | | 157,00 € |
| ATM-C21-D25-W20-L125-Z01-H | 25 | 1 | 20 | 125 | 30 | 21 | C21 | 157,00 € |
| ATM-C21-D28-W25-L90-Z01-H | 28 | 1 | 25 | 90 | 30 | 21 | FOR CPT | 197,00 € |
| ATM-C21-D38-W32-L90-Z03-H | 38 | 3 | 32 | 90 | 21 | 31 | INSERT. | 216,00 € |
| ATM-C21-D38-W32-L120-Z03-H | 38 | 3 | 32 | 120 | 30 | 21 | | 216,00 € |
| ATM-C21-D43-W32-L90-Z03-H | 43 | 3 | 32 | 90 | 30 | 21 | | 233,00 € |
| ATM-C30-D29-W25-L150-Z01-H | 29 | 1 | 25 | 150 | 50 | 30 | C30 | 227,00 € |
| | | | | | | | FOR CPT | |
| | | | | | | | INSERT. | |

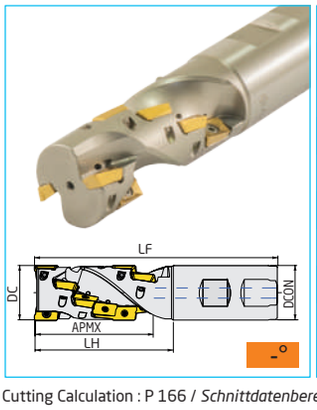
| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| ATM-3BEI-D21-W25-L100-Z01-H | 21 | 1 | 25 | 190 | 30 | 21 | 3BEI.. | 157,00 € |
| ATM-3EI-D14-W20-L90-Z01-H | 14 | 1 | 20 | 90 | 22 | 15.3 | 3E../3I.. | 120,00 € |
| ATM-3EI-D20-W25-L120-Z01-H | 20 | 1 | 25 | 120 | 25 | 15.3 | FOR VRGS | 157,00 € |
| | | | | | | | INSERT. | |

| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ATM60-TB0601-D13-C10-L150-Z02-H | 60 | 13 | 10 | 2.5 | 150 | 40 | 3.3 | TBGT 060102 | 154,00 € |
| ATM60-TC0902-D20.5-C16-L150-Z02-H | 60 | 20.5 | 16 | 5.2 | 150 | 40 | 4.7 | TC.T 090202 | 154,00 € |
| ATM60-TC1102-D26-C20-L150-Z03-H | 60 | 26 | 20 | 8.3 | 150 | 50 | 5.4 | TC.T 110202 | 180,00 € |
| ATM60-TC16T3-D32-C25-L150-Z02-H | 60 | 32 | 25 | 6.4 | 150 | 50 | 8 | TC.T 16T304 | 188,00 € |
| ATM60-TC16T3-D40-C32-L250-Z03-H | 60 | 40 | 32 | 13.7 | 250 | 50 | 8 | FOR ISO INSERT. | 269,00 € |

## HELIX END MILL / *WP - IGELFRÄSER*




| CODE / *TYP* | ZEFP Total | ZEFP Effective | TOOL DIMENSIONS (mm) *MAß* DC | DCON | APMX | LH | LF | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| AHM90-AP10-D20-W20-L087-Z04 | 4 | 2 | 20 | 20 | 28 | 37 | 87 | | 316,00 € |
| AHM90-AP10-D20-W20-L087-Z0204 | 4 | 2 | 20 | 20 | 28 | 37 | 87 | AP.. | 316,00 € |
| AHM90-AP10-D20-W20-L087-Z0206 | 6 | 2 | 20 | 20 | 28 | 37 | 87 | 1003.. | 350,00 € |
| AHM90-AP10-D20-W20-L087-Z0206 | 6 | 2 | 20 | 20 | 28 | 37 | 87 | FOR ISO | 350,00 € |
| AHM90-AP10-D25-W25-L105-Z0208-H | 8 | 2 | 25 | 25 | 37 | 47 | 105 | INSERT. | 421,00 € |
| AHM90-AP10-D32-W32-L115-Z0315-H | 15 | 3 | 32 | 32 | 46 | 55 | 115 | | 566,00 € |
| AHM90-AP10-D40-W32-L130-Z0318-H | 18 | 3 | 40 | 32 | 55 | 64 | 130 | | 642,00 € |




| CODE / *TYP* | DC | ZEFP | DCON | LF | LH | APMX | | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| AHM90-AP1204-D32-W32-L140-Z0212-H | 12 | 2 | 32 | 32 | 68 | 80 | 140 | AP.. 1204.. | 462,00 € |
| AHM90-AP1204-D40-W32-L160-Z0321-H | 21 | 3 | 40 | 32 | 79 | 100 | 160 | FOR TGTC | 748,00 € |
| | | | | | | | | INSERT. | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATM-C14-D14-W20-L100-Z01-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 42° | AFM42C-XD0806-D063-A27-Z04-H | 63 | 4 | 27 | 50 | 12 | | 213,00 € |
| | AFM42C-XD0806-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 12 | XDMW 0806.. | 256,00 € |
| | AFM42C-XD0806-D100-A32-Z06-H | 100 | 6 | 32 | 63 | 12 | FOR DJT | 292,00 € |
| | AFM42C-XD0806-D125-B40-Z07 | 125 | 7 | 40 | 63 | 12 | INSERT. | 384,00 € |
| | AFM42C-XD0806-D160-C40-Z08 | 160 | 8 | 40 | 63 | 12 | | 469,00 € |
| | AFM42C-XD0806-D200-C60-Z09 | 200 | 9 | 60 | 63 | 12 | | 702,00 € |
| 43° | AFM43-OD0504-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 3.5 | | 120,00 € |
| | AFM43-OD0504-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 3.5 | OD.. 0504.. | 143,00 € |
| | AFM43-OD0504-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 3.5 | FOR WLTR | 168,00 € |
| | AFM43-OD0504-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 3.5 | INSERT. | 192,00 € |
| | AFM43-OD0504-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 3.5 | | 240,00 € |
| 43° | AFM43C-OD0605-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 4 | OD.. 0605.. | 259,00 € |
| | AFM43C-OD0605-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 4 | FOR WLTR-LMNA | 290,00 € |
| | AFM43C-OD0605-D125-B40-Z08 | 125 | 8 | 40 | 63 | 4 | INSERT. | 382,00 € |
| 43° | AFM43-OF05T3-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 3 | OF.. 05T3.. | 162,00 € |
| | AFM43-OF05T3-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 3 | FOR ISO INSERT. | 185,00 € |
| | AFM43-OF05T3-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 3 | | 210,00 € |
| | AFM43-OF05T3-D125-B40-Z09 | 125 | 9 | 40 | 63 | 3 | | 423,00 € |
| 43° | AFM43-ON0604-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 4 | | 169,00 € |
| | AFM43-ON0604-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 4 | ON.. 0604.. | 197,00 € |
| | AFM43-ON0604-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 4 | FOR ZCC | 228,00 € |
| | AFM43-ON0604-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 4 | INSERT. | 287,00 € |
| | AFM43-ON0604-D125-B40-Z09 | 125 | 9 | 40 | 63 | 4 | | 382,00 € |
| 44° | AFM44-ON0606-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 3.8 | ONHX 0606.. | 197,00 € |
| | AFM44-ON0606-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 3.8 | FOR PLBT | 228,00 € |
| | AFM44-ON0606-D100-A32-Z10-H | 100 | 10 | 32 | 50 | 3.8 | INSERT. | 287,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM42C-XD0806-D063-A27-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

45°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM45-HN0905-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 4.5 | | 221,00 € |
| AFM45-HN0905-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 4.5 | | 247,00 € |
| AFM45-HN0905-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 4.5 | HN.. 0905.. | 282,00 € |
| AFM45L-HN0905-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 4.5 | FOR WDA-KNMTL | 310,00 € |
| AFM45-HN0905-D125-B40-Z10 | 125 | 10 | 40 | 63 | 4.5 | INSERT. | 358,00 € |
| AFM45-HN0905-D160-C40-Z12 | 160 | 12 | 40 | 63 | 4.5 | | 441,00 € |
| AFM45L-HN0905-D160-C40-Z12 | 160 | 12 | 40 | 63 | 4.5 | | 441,00 € |
| AFM45-HN0905-D200-C60-Z16 | 200 | 16 | 60 | 63 | 4.5 | | 751,00 € |
| AFM45L-HN0905-D200-C60-Z16 | 200 | 16 | 60 | 63 | 4.5 | | 751,00 € |

40°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE |
|---|---|---|---|---|---|---|---|
| AFM40-NN2007-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | NNMU 2007.. | 232,00 € |
| AFM40-NN2007-D100-B32-Z07-H | 100 | 7 | 32 | 50 | 6 | FOR MTSBH | 256,00 € |
| AFM40-NN2007-D125-B40-Z08-H | 125 | 8 | 40 | 63 | 6 | INSERT. | 333,00 € |
| AFM40-NN2007-D160-C40-Z10 | 160 | 10 | 40 | 63 | 6 | | 375,00 € |
| AFM40-NN2007-D200-C60-Z12 | 200 | 12 | 60 | 63 | 6 | | 648,00 € |

45°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE |
|---|---|---|---|---|---|---|---|
| NEW AFM45-NN2007-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 6 | NNMU 2007.. | 197,00 € |
| NEW AFM45-NN2007-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | FOR MTSBH | 251,00 € |
| AFM45-NN2007-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 6 | INSERT. | 256,00 € |
| AFM45-NN2007-D125-B40-Z08 | 125 | 8 | 40 | 63 | 6 | | 304,00 € |
| AFM45-NN2007-D160-C40-Z10 | 160 | 10 | 40 | 63 | 6 | | 405,00 € |

45°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE |
|---|---|---|---|---|---|---|---|
| AFM45-SE12-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 6 | | 143,00 € |
| AFM45L-SE12-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 6 | SE.. 12T3.. | 143,00 € |
| AFM45-SE12-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 6 | FOR ZCC | 168,00 € |
| AFM45L-SE12-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 6 | INSERT. | 168,00 € |
| AFM45-SE12-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | | 192,00 € |
| AFM45L-SE12-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | R245-12T3.. | 192,00 € |
| AFM45-SE12-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 6 | FOR SNDVK | 240,00 € |
| AFM45-SE12-D125-B40-Z08 | 125 | 8 | 40 | 63 | 6 | INSERT. | 316,00 € |
| AFM45-SE12-D160-C40-Z10 | 160 | 10 | 40 | 63 | 6 | | 394,00 € |
| AFM45L-SE12-D160-C40-Z10 | 160 | 10 | 40 | 63 | 6 | | 394,00 € |
| AFM45-SE12-D200-C60-Z12 | 200 | 12 | 60 | 63 | 6 | | 477,00 € |
| AFM45-SE14M4-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 7 | | 180,00 € |
| AFM45-SE14M4-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 7 | SE.. 14M4.. | 210,00 € |
| AFM45-SE14M4-D100-A32-Z05-H | 100 | 5 | 32 | 50 | 7 | FOR KRLY | 256,00 € |
| AFM45-SE14M4-D125-B40-Z06 | 125 | 6 | 40 | 63 | 7 | INSERT. | 341,00 € |
| AFM45-SE14M4-D160-C40-Z07 | 160 | 7 | 40 | 63 | 7 | | 417,00 € |

45°

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM45-HN0905-D050-A22-Z05-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 45° | AFM45-SE13-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 6 | | 174,00 € |
| | AFM45-SE13-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 6 | | 205,00 € |
| | AFM45-SE13-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | SEMT 13T3.. | 231,00 € |
| | AFM45S-SE13-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 6 | FOR SMTM-DJT | 277,00 € |
| | AFM45S-SE13-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 6 | INSERT. | 324,00 € |
| | AFM45S-SE13-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 6 | | 404,00 € |
| | AFM45S-SE13-D100-A32-Z10-H | 100 | 10 | 32 | 50 | 6 | | 513,00 € |
| | AFM45S-SE13-D125-B40-Z12 | 125 | 12 | 40 | 63 | 6 | | 655,00 € |
| 45° | AFM45-SA1706-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 8.4 | SAKU 1706.. | 227,00 € |
| | AFM45-SA1706-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 8.4 | FOR CRTZT | 256,00 € |
| | AFM45-SA1706-D125-B40-Z09 | 125 | 9 | 40 | 63 | 8.4 | INSERT. | 358,00 € |
| 45° | AFM45C-SN12..-D050-A22-Z04-H | 50 | 4 | 22 | 42 | 6 | | 173,00 € |
| | AFM45CL-SN12..-D050-A22-Z05-H | 50 | 5 | 22 | 42 | 6 | | 192,00 € |
| | AFM45C-SN12..-D050-A22-Z05-H | 50 | 5 | 22 | 42 | 6 | | 192,00 € |
| | AFM45C-SN12..-D063-A22-Z06-H | 63 | 6 | 22 | 42 | 6 | | 199,00 € |
| | AFM45C-SN12..-D063-A22-Z07-H | 63 | 7 | 22 | 42 | 6 | | 218,00 € |
| | AFM45CL-SN12..-D063-A22-Z07-H | 63 | 7 | 22 | 42 | 6 | | 218,00 € |
| | AFM45C-SN12..-D080-A27-Z07-H | 80 | 7 | 27 | 52 | 6 | SN.. 12.... | 231,00 € |
| | AFM45C-SN12..-D080-A27-Z08-H | 80 | 8 | 27 | 52 | 6 | FOR WLTR-LMN- | 250,00 € |
| | AFM45CL-SN12..-D080-A27-Z08-H | 80 | 8 | 27 | 52 | 6 | ACHTK | 250,00 € |
| | AFM45C-SN12..-D100-A32-Z08-H | 100 | 8 | 32 | 52 | 6 | INSERT.. | 262,00 € |
| | AFM45C-SN12..-D100-A32-Z10-H | 100 | 10 | 32 | 52 | 6 | | 283,00 € |
| | AFM45CL-SN12..-D100-A32-Z10-H | 100 | 10 | 32 | 52 | 6 | | 283,00 € |
| | AFM45C-SN12..-D125-B40-Z11 | 125 | 11 | 40 | 65 | 6 | | 394,00 € |
| | AFM45CL-SN12..-D125-B40-Z11 | 125 | 11 | 40 | 65 | 6 | | 394,00 € |
| | AFM45C-SN12..-D160-C40-Z12 | 160 | 12 | 40 | 65 | 6 | | 485,00 € |
| | AFM45C-SN12..-D200-C60-Z14 | 200 | 14 | 60 | 65 | 6 | | 826,00 € |
| | AFM45CL-SN12..-D200-C60-Z14 | 200 | 14 | 60 | 65 | 6 | | 826,00 € |
| new 45° | AFM45-SE13M-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 6 | SEMT 13T3.. | 186,00 € |
| | AFM45-SE13M-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 6 | FOR MTSBH | 222,00 € |
| | AFM45-SE13M-D080-A27-Z06 | 80 | 6 | 27 | 50 | 6 | INSERT. | 216,00 € |
| | AFM45-SE13M-D100-A32-Z07 | 100 | 7 | 32 | 50 | 6 | | 245,00 € |
| | AFM45-SE13M-D125-B40-Z08 | 125 | 8 | 40 | 63 | 6 | | 383,00 € |
| new 45° | AFM45S-SE13M-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 6 | SEMT 13T3.. | 198,00 € |
| | AFM45S-SE13M-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 6 | FOR MTSBH | 237,00 € |
| | AFM45S-SE13M-D080-A27-Z06 | 80 | 6 | 27 | 50 | 6 | INSERT. | 234,00 € |
| | AFM45S-SE13M-D100-A32-Z07 | 100 | 7 | 32 | 50 | 6 | | 266,00 € |
| | AFM45S-SE13M-D125-B40-Z08 | 125 | 8 | 40 | 63 | 6 | | 407,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM45-SE13..-D050-A22-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

45°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM45C-SN1206-D050-A22-Z04-H | 50 | 4 | 22 | 42 | 6 | | 156,00 € |
| AFM45CL-SN1206-D050-A22-Z05-H | 50 | 5 | 22 | 22 | 6 | | 173,00 € |
| AFM45C-SN1206-D050-A22-Z05-H | 50 | 5 | 22 | 42 | 6 | | 173,00 € |
| AFM45C-SN1206-D063-A22-Z06-H | 63 | 6 | 22 | 42 | 6 | | 180,00 € |
| AFM45C-SN1206-D063-A22-Z07-H | 63 | 7 | 22 | 42 | 6 | SN.. 1206.. | 197,00 € |
| AFM45CL-SN1206-D063-A22-Z07-H | 63 | 7 | 22 | 42 | 6 | FOR | 197,00 € |
| AFM45C-SN1206-D080-A27-Z07-H | 80 | 7 | 27 | 52 | 6 | KRLY-PLBT-BHLR | 210,00 € |
| AFM45C-SN1206-D080-A27-Z08-H | 80 | 8 | 27 | 52 | 6 | INSERT. | 227,00 € |
| AFM45CL-SN1206-D080-A27-Z08-H | 80 | 8 | 27 | 52 | 6 | | 227,00 € |
| AFM45C-SN1206-D100-A32-Z08-H | 100 | 8 | 32 | 52 | 6 | | 239,00 € |
| AFM45C-SN1206-D100-A32-Z10-H | 100 | 10 | 32 | 52 | 6 | | 256,00 € |
| AFM45CL-SN1206-D100-A32-Z10-H | 100 | 10 | 32 | 52 | 6 | | 256,00 € |
| AFM45C-SN1206-D125-B40-Z11 | 125 | 11 | 40 | 65 | 6 | | 358,00 € |
| AFM45CL-SN1206-D125-B40-Z11 | 125 | 11 | 40 | 65 | 6 | | 358,00 € |
| AFM45C-SN1206-D160-C40-Z12 | 160 | 12 | 40 | 65 | 6 | | 441,00 € |
| NEW AFM45CL-SN1206-D160-C40-Z12 | 160 | 12 | 40 | 65 | 6 | | 441,00 € |
| AFM45C-SN1206-D200-C60-Z14 | 200 | 14 | 60 | 65 | 6 | | 751,00 € |
| AFM45CL-SN1206-D200-C60-Z14 | 200 | 14 | 60 | 65 | 6 | | 751,00 € |

45°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM45C-SN12Z-D050-A22-Z05-H | 50 | 5 | 22 | 42 | 6 | | 173,00 € |
| AFM45C-SN12Z-D063-A22-Z06-H | 63 | 6 | 22 | 42 | 6 | SNEG 1205.. | 197,00 € |
| AFM45C-SN12Z-D080-A27-Z07-H | 80 | 7 | 27 | 52 | 6 | FOR ZCC INSERT. | 227,00 € |
| AFM45C-SN12Z-D100-A32-Z09-H | 100 | 9 | 32 | 52 | 6 | | 256,00 € |
| AFM45C-SN12Z-D125-B40-Z11 | 125 | 11 | 40 | 65 | 6 | | 358,00 € |
| AFM45C-SN12Z-D160-C40-Z12 | 160 | 12 | 60 | 65 | 6 | | 441,00 € |
| AFM45C-SN12Z-D200-C60-Z14 | 200 | 14 | 60 | 65 | 6 | | 751,00 € |

45°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| NEW AFM45-ON0806-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 5.5 | | 173,00 € |
| AFM45-ON0806-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 5.5 | | 197,00 € |
| AFM45-ON0806-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5.5 | ON.. 0806.. | 225,00 € |
| NEW AFM45-ON0806-D063-A22-Z07-H | 63 | 7 | 22 | 40 | 5.5 | FOR ISO | 254,00 € |
| AFM45-ON0806-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 5.5 | INSERT. | 227,00 € |
| AFM45-ON0806-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 5.5 | | 286,00 € |
| AFM45-ON0806-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 5.5 | | 256,00 € |
| NEW AFM45-ON0806-D100-A32-Z10 | 100 | 10 | 32 | 50 | 5.5 | | 344,00 € |
| AFM45-ON0806-D100-A32-Z10-H | 100 | 10 | 32 | 50 | 5.5 | | 344,00 € |
| NEW AFM45L-ON0806-D100-A32-Z10-H | 100 | 10 | 32 | 50 | 5.5 | | 344,00 € |
| AFM45-ON0806-D125-B40-Z08 | 125 | 8 | 40 | 63 | 5.5 | | 304,00 € |
| NEW AFM45L-ON0806-D125-B40-Z08 | 125 | 8 | 40 | 63 | 5.5 | | 304,00 € |
| AFM45-ON0806-D125-B40-Z12 | 125 | 12 | 40 | 63 | 5.5 | | 421,00 € |
| AFM45-ON0806-D160-C40-Z10 | 160 | 10 | 40 | 63 | 5.5 | | 405,00 € |
| AFM45-ON0806-D160-C40-Z14 | 160 | 14 | 40 | 63 | 5.5 | | 517,00 € |
| AFM45-ON0806-D200-C60-Z12 | 200 | 12 | 60 | 63 | 5.5 | | 655,00 € |
| AFM45-ON0806-D250-C60-Z14 | 250 | 14 | 60 | 63 | 5.5 | | 858,00 € |
| AFM45-ON0806-D315-D60-Z16 | 315 | 16 | 60 | 63 | 5.5 | | 1.161,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM45C-SN1206-D050-A22-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 45° | NEW AFM45C-ON0806-D063-A22-Z08 | 63 | 8 | 22 | 50 | 5.5 | ON.. 0806.. | 285,00 € |
| | AFM45C-ON0806-D080-A27-Z10 | 80 | 10 | 27 | 50 | 5.5 | FOR ISO INSERT. | 404,00 € |
| | AFM45C-ON0806-D100-A32-Z14 | 100 | 14 | 32 | 50 | 5.5 | | 567,00 € |
| | AFM45C-ON0806-D125-B40-Z18 | 125 | 18 | 40 | 63 | 5.5 | | 750,00 € |
| | AFM45C-ON0806-D160-C40-Z22 | 160 | 22 | 40 | 63 | 5.5 | | 939,00 € |
| 45° | AFM45-XN0906-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 5 | XNMU 0906.. | 246,00 € |
| | AFM45-XN0906-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 5 | FOR TGTC | 261,00 € |
| | AFM45-XN0906-D100-A32-Z07-H | 100 | 7 | 32 | 55 | 5 | INSERT. | 296,00 € |
| | AFM45-XN0906-D125-B40-Z08 | 125 | 8 | 40 | 63 | 5 | | 349,00 € |
| 45° | AFM45-SN1306-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 7 | SNGX 1306.. | 199,00 € |
| | AFM45-SN1306-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 7 | FOR TGTC | 231,00 € |
| | AFM45-SN1306-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 7 | INSERT. | 251,00 € |
| | AFM45-SN1306-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 7 | | 303,00 € |
| 66° | AFM66-PN0905-D050-A22-Z05 | 50 | 5 | 22 | 40 | 8 | PNMU 0905.. | 188,00 € |
| | AFM66-PN0905-D063-A22-Z06 | 63 | 6 | 22 | 40 | 8 | FOR KYCR | 221,00 € |
| | AFM66-PN0905-D080-A27-Z08 | 80 | 8 | 27 | 50 | 8 | INSERT. | 251,00 € |
| | AFM66-PN0905-D100-A32-Z10 | 100 | 10 | 32 | 50 | 8 | | 314,00 € |
| | AFM66-PN0905-D125-B40-Z12 | 125 | 12 | 40 | 63 | 8 | | 414,00 € |
| 67° | AFM67-PN1105-D050-A22-Z05 | 50 | 5 | 22 | 50 | 5 | | 188,00 € |
| | AFM67-PN1105-D063-A22-Z06 | 63 | 6 | 22 | 50 | 5 | PNEG 1105.. | 221,00 € |
| | AFM67-PN1105-D080-A27-Z08 | 80 | 8 | 27 | 50 | 5 | FOR ZCC | 251,00 € |
| | AFM67-PN1105-D100-B32-Z10 | 100 | 10 | 32 | 50 | 5 | INSERT. | 314,00 € |
| | AFM67-PN1105-D125-B40-Z12 | 125 | 12 | 40 | 63 | 5 | | 414,00 € |
| | AFM67-PN1105-D160-C40-Z14 | 160 | 14 | 40 | 63 | 5 | | 626,00 € |
| 75° | AFM75-AP16-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 6 | | 157,00 € |
| | AFM75-AP16-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 6 | AP.. 1604.. | 181,00 € |
| | AFM75-AP16-D100-A32-Z06-H | 100 | 6 | 32 | 50 | 6 | FOR ISO | 216,00 € |
| | AFM75-AP16-D125-B40-Z07 | 125 | 7 | 40 | 63 | 6 | INSERT. | 287,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM45C-ON0806-D080-A27-Z10

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

75°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM75-X012-D050-A22-Z04-H | 50 | 4 | 22 | 40 | - | | 156,00 € |
| AFM75-X012-D063-A22-Z05-H | 63 | 5 | 22 | 40 | - | XOMX 1204.. | 173,00 € |
| AFM75-X012-D080-A27-Z06-H | 80 | 6 | 27 | 50 | - | FOR ISO | 215,00 € |
| | | | | | | INSERT. | |

88°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM88-SN1305-D050-A22-Z04 | 50 | 4 | 22 | 40 | 5 | | 159,00 € |
| AFM88-SN1305-D050-A22-Z05 | 50 | 5 | 22 | 40 | 5 | SNMU 1305.. | 180,00 € |
| AFM88-SN1305-D063-A22-Z05 | 63 | 5 | 22 | 40 | 5 | FOR KYC | 185,00 € |
| NEW AFM88L-SN1305-D063-A22-Z07 | 63 | 7 | 22 | 40 | 5 | INSERT. | 216,00 € |
| AFM88-SN1305-D063-A22-Z07 | 63 | 7 | 22 | 40 | 5 | | 216,00 € |
| AFM88-SN1305-D080-A27-Z06 | 80 | 6 | 27 | 50 | 5 | | 216,00 € |
| AFM88-SN1305-D080-A27-Z09 | 80 | 9 | 27 | 50 | 5 | | 263,00 € |
| AFM88-SN1305-D100-A32-Z07 | 100 | 7 | 32 | 50 | 5 | | 241,00 € |
| AFM88-SN1305-D100-A32-Z11 | 100 | 11 | 32 | 50 | 5 | | 303,00 € |
| AFM88-SN1305-D125-B40-Z13 | 125 | 13 | 40 | 63 | 5 | | 390,00 € |

88°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM88-SN1306-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 5 | SNGX 1306.. | 189,00 € |
| AFM88-SN1306-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5 | FOR TGTC | 216,00 € |
| AFM88-SN1306-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 5 | INSERT. | 251,00 € |

88°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| NEW AFM88C-SN1206-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 11.5 | SN.. 1206.. | 165,00 € |
| AFM88C-SN1206-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 11.5 | FOR ISO | 18400 € |
| AFM88C-SN1206-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 11.5 | INSERT. | 197,00 € |
| AFM88C-SN1206-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 11.5 | | 228,00 € |
| AFM88C-SN1206-D100-A32-Z09-H | 100 | 9 | 32 | 52 | 11.5 | | 256,00 € |
| NEW AFM88C-SN1206-D125-B40-Z10 | 125 | 10 | 40 | 63 | 11.5 | | 374,00 € |

88°

| CODE / *TYP* | DC | ZEFP | DCON | LF | APMX | CUTTING INSERT | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM88C-SN12..-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 11.5 | SN.. 12.. | 218,00 € |
| AFM88C-SN12..-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 11.5 | FOR ISO | 251,00 € |
| AFM88C-SN12..-D100-A32-Z09-H | 100 | 9 | 32 | 52 | 11.5 | INSERT. | 283,00 € |

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 88° | AFM88C-SN12Z-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 11.5 | SNEG 1205.. | 197,00 € |
| | AFM88C-SN12Z-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 11.5 | FOR ZCC | 228,00 € |
| | | | | | | | INSERT. | |
| 89° | AFM89-SN1305I-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 10 | SNMU 1305.. | 159,00 € |
| | AFM89-SN1305I-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 10 | SNMU 1305.. | 189,00 € |
| | AFM89-SN1305I-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 10 | OXMT 0507.. | 216,00 € |
| | AFM89-SN1305I-D063-A22-Z07-H | 63 | 7 | 22 | 40 | 10 | FOR ISCR | 232,00 € |
| | AFM89-SN1305I-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 10 | INSERT. | 262,00 € |
| | AFM89-SN1305I-D100-A32-Z10-H | 100 | 10 | 32 | 50 | 10 | | 306,00 € |
| 90° | AFM90-AD10T3-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 10 | ADMT 10T3.. | 151,00 € |
| | AFM90-AD10T3-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 10 | FOR WLTR | 178,00 € |
| | | | | | | | INSERT. | |
| 90° | AFM90-AD1505-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 15 | | 126,00 € |
| | AFM90-AD1505-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 15 | AD.. 1505.. | 151,00 € |
| | AFM90-AD1505-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15 | FOR ISCR | 173,00 € |
| | AFM90-AD1505-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15 | INSERT. | 197,00 € |
| | AFM90-AD1505-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 15 | | 240,00 € |
| | AFM90-AD1505-D125-B40-Z09 | 125 | 9 | 40 | 63 | 15 | | 316,00 € |
| 90° | AFM90-AD1505D-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 14.3 | | 151,00 € |
| | AFM90-AD1505D-D063-A27-Z06-H | 63 | 6 | 27 | 50 | 14.3 | ADKT 150508 | 173,00 € |
| | AFM90-AD1505D-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 14.3 | FOR DJT | 210,00 € |
| | AFM90-AD1505D-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 14.3 | INSERT. | 240,00 € |
| | AFM90-AD1505D-D125-B40-Z09 | 125 | 9 | 40 | 63 | 14.3 | | 316,00 € |
| 90° | AFM90-AN11-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 11 | ANGX 1105.. | 146,00 € |
| | AFM90-AN1506-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 14.5 | | 153,00 € |
| | AFM90-AN1506-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 14.5 | ANGX 1506.. | 178,00 € |
| | AFM90-AN1506-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 14.5 | FOR ZCC | 201,00 € |
| | AFM90-AN1506-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 14.5 | INSERT. | 242,00 € |
| | AFM90-AN1506-D125-B40-Z09 | 125 | 9 | 40 | 63 | 14.5 | | 363,00 € |
| | AFM90-AN1506-D160-C40-Z10 | 160 | 10 | 40 | 63 | 14.5 | | 471,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM88C-SN12Z-D063-A22-Z06-H

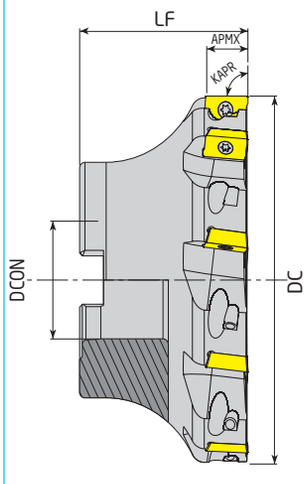
## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-AN1607-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 15 | AN.X 1607.. | 195,00 € |
| | AFM90-AN1607-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15 | FOR TGTC | 263,00 € |
| | AFM90-AN1607-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15 | INSERT. | 295,00 € |
| | AFM90-AN1607-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 15 | | 326,00 € |
| | AFM90-AN1607-D125-B40-Z10 | 125 | 10 | 40 | 63 | 15 | | 434,00 € |
| 90° | AFM90-AN12-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 12 | ANKX 1205.. | 143,00 € |
| | AFM90-AN12-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 12 | FOR ISCR | 170,00 € |
| | AFM90-AN12-D063-A27-Z06-H | 63 | 6 | 27 | 50 | 12 | INSERT. | 196,00 € |
| 90° | AFM90-AN1207-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 10 | ANKX 1207.. | 143,00 € |
| | AFM90-AN1207-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 10 | FOR XTC-GSC | 170,00 € |
| | AFM90-AN1207-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 10 | INSERT. | 196,00 € |
| | AFM90-AN1607X-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 15 | ANKX 1607.. | 159,00 € |
| | AFM90-AN1607X-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15 | FOR XTC-GSC | 215,00 € |
| | AFM90-AN1607X-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15 | INSERT. | 240,00 € |
| 90° | AFM90-AO1236-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 12 | AO.. 1236.. | 180,00 € |
| | AFM90-AO1848-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 15 | AO.. 1848.. | 180,00 € |
| | AFM90-AO1848-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15 | FOR MTSBH | 199,00 € |
| | | | | | | | INSERT. | |
| 90° | AFM90-AP1705-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 16 | AP.. 1705.. | 151,00 € |
| | AFM90-AP1705-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | FOR TGTC-LMNA | 173,00 € |
| | AFM90-AP1705-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | INSERT. | 197,00 € |
| | AFM90-AP1705-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 16 | | 240,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-AN1607-D050-A22-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*




90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| NEW AFM90-AP10-D040-A16-Z04-H | 40 | 4 | 16 | 35 | 10 | | 115,00 € |
| AFM90-AP10-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 10 | | 119,00 € |
| AFM90-AP10-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 10 | AP.. 1003.. | 139,00 € |
| NEW AFM90-AP10-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 10 | FOR ISO INSERT. | 151,00 € |
| NEW AFM90-AP10-D063-A22-Z06 | 63 | 6 | 22 | 40 | 10 | | 153,00 € |
| AFM90-AP10-D063-A22-Z07-H | 63 | 7 | 22 | 40 | 10 | | 156,00 € |
| NEW AFM90-AP10-D063-A22-Z09 | 63 | 9 | 22 | 40 | 10 | | 192,00 € |
| AFM90-AP10-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 10 | | 180,00 € |
| AFM90-AP10-D100-A32-Z09-H | 100 | 9 | 32 | 50 | 10 | | 215,00 € |
| AFM90-AP16-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 16 | | 115,00 € |
| AFM90-AP16-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 16 | | 139,00 € |
| AFM90-AP16-D052-A22-Z05-H | 52 | 5 | 22 | 40 | 16 | | 143,00 € |
| AFM90-AP16-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | AP.. 1604.. | 156,00 € |
| AFM90-AP16-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | FOR ISO INSERT. | 180,00 € |
| AFM90-AP16-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 16 | | 215,00 € |
| AFM90-AP16-D125-B40-Z09 | 125 | 9 | 40 | 63 | 16 | | 287,00 € |
| AFM90-AP16-D160-C40-Z10 | 160 | 10 | 40 | 63 | 16 | | 358,00 € |
| AFM90-AP16-D200-C60-Z12 | 200 | 12 | 60 | 63 | 16 | | 596,00 € |
| AFM90-AP16DJ-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 16 | AP.. 1604.. | 139,00 € |
| AFM90-AP16DJ-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | FOR DJT | 156,00 € |
| AFM90-AP16DJ-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | INSERT. | 180,00 € |
| AFM90-AP16L-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 16 | AP.. 1604.. | 139,00 € |
| AFM90-AP16L-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | FOR LMNA INSERT.. | 156,00 € |
| AFM90-AP16L-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | | 180,00 € |
| AFM90-AP16P-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 16 | | 115,00 € |
| AFM90-AP16P-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 16 | AP.. 1604.. | 139,00 € |
| AFM90-AP16P-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | FOR PLBT INSERT. | 156,00 € |
| AFM90-AP16P-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | | 180,00 € |
| AFM90-AP16P-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 16 | | 215,00 € |
| AFM90-AP16A-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 15 | | 139,00 € |
| AFM90-AP16A-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15 | AP.. 1604.. | 156,00 € |
| AFM90-AP16A-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15 | FOR ACHTK | 180,00 € |
| AFM90-AP16A-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 15 | INSERT.. | 215,00 € |
| AFM90-AP16A-D125-B40-Z09 | 125 | 9 | 40 | 63 | 15 | | 287,00 € |
| AFM90-AP16Y-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 16 | | 115,00 € |
| AFM90-AP16Y-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 16 | AP.. 1604.. | 139,00 € |
| AFM90-AP16Y-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | FOR YG | 156,00 € |
| AFM90-AP16Y-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | INSERT. | 180,00 € |
| AFM90-AP16Y-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 16 | | 215,00 € |

90°

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AFM90-AX1235-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 10 | AX.T 1235.. | 151,00 € |
| AFM90-AX1235-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 10 | FOR SMTM | 173,00 € |
| AFM90-AX1235-D063-A22-Z08-H | 63 | 8 | 22 | 40 | 10 | INSERT. | 197,00 € |
| AFM90-AX1235-D080-A27-Z10-H | 80 | 10 | 27 | 50 | 10 | | 250,00 € |
| AFM90-AX1705-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 14 | | 131,00 € |
| AFM90-AX1705-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 14 | AX.T 1705.. | 158,00 € |
| AFM90-AX1705-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 14 | FOR SMTM | 181,00 € |
| AFM90-AX1705-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 14 | INSERT. | 207,00 € |
| AFM90-AX1705-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 14 | | 247,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-AP10-D040-A16-Z05-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-BD11T3-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 10 | BDMT 11T3.. | 139,00 € |
| | AFM90-BD11T3-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 10 | FOR KYCR | 168,00 € |
| | AFM90-BD11T3-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 10 | INSERT. | 189,00 € |
| | AFM90-BD1704-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 15.7 | BDMT 1704.. | 146,00 € |
| | AFM90-BD1704-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 15.7 | FOR KYCR | 155,00 € |
| | AFM90-BD1704-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15.7 | INSERT. | 170,00 € |
| | AFM90-BD1704-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 15.7 | | 187,00 € |
| | AFM90-BD1704-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15.7 | | 196,00 € |
| | AFM90-BD1704-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 15.7 | | 215,00 € |
| 90° | AFM90-LO10-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 10 | LOMU 1004.. | 162,00 € |
| | AFM90-LO10-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 10 | FOR KYCR | 174,00 € |
| | AFM90-LO10-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 10 | INSERT. | 197,00 € |
| | AFM90-LO1505-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 15 | LOMU 1505.. | 182,00 € |
| | AFM90-LO1505-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 15 | FOR KYCR | 211,00 € |
| | | | | | | | INSERT. | |
| 90° | AFM90-LN1506X-D063-A22-Z06 | 63 | 6 | 22 | 40 | 7 | LNMT 1506.. | 197,00 € |
| | AFM90-LN1506X-D080-A27-Z07 | 80 | 7 | 27 | 50 | 7 | FOR XTC-GSC | 250,00 € |
| | AFM90-LN1506X-D100-A32-Z08 | 100 | 8 | 32 | 50 | 7 | INSERT | 305,00 € |
| 90° | AFM90-LN1106-D050-A22-Z05 | 50 | 5 | 22 | 40 | 10 | | 170,00 € |
| | AFM90-LN1106-D063-A22-Z06 | 63 | 6 | 22 | 40 | 10 | | 197,00 € |
| | AFM90-LN1106-D080-A27-Z08 | 80 | 8 | 27 | 50 | 10 | LNMT 1106.. | 250,00 € |
| | AFM90L-LN1106-D080-A27-Z08 | 80 | 8 | 27 | 50 | 10 | FOR ISCR | 250,00 € |
| | AFM90-LN1106-D100-A32-Z09 | 100 | 9 | 32 | 50 | 10 | INSERT. | 305,00 € |
| | AFM90L-LN1106-D100-A32-Z09 | 100 | 9 | 32 | 50 | 10 | | 305,00 € |
| | AFM90-LN1106-D125-B40-Z10 | 125 | 10 | 40 | 63 | 10 | | 397,00 € |
| | AFM90-LN1306-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 12.5 | T490 | 143,00 € |
| | AFM90-LN1306-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 12.5 | LNMT 1306.. | 170,00 € |
| | AFM90-LN1306-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 12.5 | FOR ISCR | 197,00 € |
| | AFM90-LN1306-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 12.5 | INSERT. | 250,00 € |
| | AFM90-LN1306-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 12.5 | | 305,00 € |
| | AFM90L-LN1506-D040-A16-Z04 | 40 | 4 | 16 | 40 | 14 | | 143,00 € |
| | AFM90-LN1506-D040-A16-Z04 | 40 | 4 | 16 | 40 | 14 | LNMT 1506.. | 143,00 € |
| | AFM90-LN1506-D050-A22-Z05 | 50 | 5 | 22 | 40 | 14 | FOR ISCR | 170,00 € |
| | AFM90-LN1506-D063-A22-Z06 | 63 | 6 | 22 | 40 | 14 | INSERT. | 197,00 € |
| | AFM90-LN1506-D080-A27-Z07 | 80 | 7 | 27 | 50 | 14 | | 250,00 € |
| | AFM90-LN1607-D050-A22-Z03-H | 50 | 3 | 22 | 40 | 16 | | 170,00 € |
| | AFM90-LN1607-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 16 | LNHT 1607.. | 197,00 € |
| | AFM90-LN1607-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 16 | FOR ISCR | 250,00 € |
| | AFM90-LN1607-D100-A32-Z06-H | 100 | 6 | 32 | 50 | 16 | INSERT. | 305,00 € |
| 90° | NEW AFM90-LN1306W-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 12 | LNHU 1306.. | 143,00 € |
| | AFM90-LN1306W-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 12 | FOR WLTR | 170,00 € |
| | AFM90-LN1306W-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 12 | INSERT | 197,00 € |
| | AFM90-LN1306W-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 12 | | 250,00 € |
| | NEW AFM90-LN1306W-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 12 | | 305,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-BD11T3-D040-A16-Z04-H

AKKO®

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-LN1307-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 13 | LNGX 1307.. | 218,00 € |
| | AFM90-LN1307-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 13 | FOR WLTR | 261,00 € |
| | AFM90-LN1307-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 13 | INSERT | 286,00 € |
| | AFM90-LN1307-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 13 | | 309,00 € |
| 90° | AFM90-LN15Z-D050-A22-Z04 | 50 | 4 | 22 | 40 | 15 | LNKT 1506.. | 170,00 € |
| | AFM90-LN15Z-D063-A22-Z05 | 63 | 5 | 22 | 40 | 15 | FOR ZCC | 197,00 € |
| | AFM90-LN15Z-D080-A27-Z06 | 80 | 6 | 27 | 50 | 15 | INSERT | 226,00 € |
| | AFM90-LN15Z-D100-A32-Z07 | 100 | 7 | 32 | 50 | 15 | | 282,00 € |
| | AFM90-LN15Z-D125-B40-Z08 | 125 | 8 | 40 | 63 | 15 | | 372,00 € |
| 90° | AFM90-LO08-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 2 | LOEX 0804.. | 207,00 € |
| | AFM90-LO08-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 2 | FOR SC | 234,00 € |
| | AFM90-LO08-D063-A27-Z06-H | 63 | 6 | 27 | 40 | 2 | INSERT. | 227,00 € |
| 90° | NEW AFM90-LO09-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 8 | LOGU 0904.. | 175,00 € |
| | NEW AFM90-LO09-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 8 | FOR MTSBSH | 168,00 € |
| | NEW AFM90-LO09-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 8 | INSERT | 201,00 € |
| | NEW AFM90-LO09-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 8 | | 210,00 € |
| | AFM90-LO1207-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 11 | LOGU 1207.. | 143,00 € |
| | AFM90-LO1207-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 11 | FOR MTSBSH | 170,00 € |
| | AFM90-LO1207-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 11 | INSERT | 186,00 € |
| | NEW AFM90-LO1207-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 11 | | 211,00 € |
| | NEW AFM90-LO1207-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 11 | | 280,00 € |
| | NEW AFM90-LO1207-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 11 | | 339,00 € |
| 90° | AFM90-LN15T6-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 15.5 | LNGU 15T6.. | 170,00 € |
| | AFM90-LN15T6-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15.5 | FOR KNMTL | 196,00 € |
| | AFM90-LN15T6-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15.5 | INSERT | 223,00 € |
| 90° | AFM90-R290.12-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 10.7 | | 143,00 € |
| | AFM90-R290.12-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 10.7 | R290-12T3.. | 168,00 € |
| | AFM90-R290.12-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 10.7 | FOR SNDVK | 192,00 € |
| | AFM90-R290.12-D100-A32-Z09-H | 100 | 9 | 32 | 50 | 10.7 | INSERT. | 240,00 € |
| | AFM90-R290.12-D125-B40-Z11 | 125 | 11 | 40 | 63 | 10.7 | | 316,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-LN1307-D050-A22-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

90°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM90-R390.11-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 10 | R390-11T3.. | 126,00 € |
| AFM90-R390.11-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 10 | FOR SNDVK | 151,00 € |
| AFM90-R390.11-D063-A22-Z07-H | 63 | 7 | 22 | 40 | 10 | INSERT. | 173,00 € |
| AFM90-R390.11-D080-A27-Z09-H | 80 | 9 | 27 | 50 | 10 | | 226,00 € |
| AFM90-R390.17-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 15.4 | | 126,00 € |
| AFM90-R390.17-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 15.4 | R390-1704.. | 151,00 € |
| AFM90-R390.17-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 15.4 | FOR SNDVK | 173,00 € |
| AFM90-R390.17-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 15.4 | INSERT. | 197,00 € |
| AFM90-R390.17-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 15.4 | | 240,00 € |
| AFM90-R390.17-D125-B40-Z09 | 125 | 9 | 40 | 63 | 15.4 | | 316,00 € |
| AFM90-R390.18-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 15.4 | | 151,00 € |
| AFM90-R390.18-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 15.4 | R390-1806.. | 173,00 € |
| AFM90-R390.18-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 15.4 | FOR SNDVK | 197,00 € |
| AFM90-R390.18-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 15.4 | INSERT. | 240,00 € |
| AFM90-R390.18-D125-B40-Z08 | 125 | 8 | 40 | 63 | 15.4 | | 316,00 € |

90°

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AFM90-490R08-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5.5 | 490R-08T3.. | 240,00 € |
| AFM90-490R14-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 10 | | 197,00 € |
| AFM90-490R14-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 10 | 490R-1404.. | 231,00 € |
| AFM90-490R14-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 10 | FOR SNDVK | 262,00 € |
| AFM90-490R14-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 10 | INSERT.. | 276,00 € |
| AFM90-490R14-D125-B40-Z08 | 125 | 8 | 40 | 63 | 10 | | 362,00 € |
| NEW AFM90-490R14-D125-B40-Z12 | | | | | | | 432,00 € |
| AFM90-490R14-D160-C40-Z12 | 160 | 12 | 40 | 63 | 10 | | 472,00 € |
| AFM90-490R14-D200-C60-Z16 | 250 | 16 | 60 | 63 | 10 | | 765,00 € |

90°

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AFM90-RT10-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 10 | RT 1003.. | 126,00 € |
| AFM90-RT10-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 10 | FOR SFTY | 148,00 € |
| AFM90-RT10-D063-A22-Z09-H | 63 | 9 | 22 | 50 | 10 | INSERT. | 181,00 € |
| NEW AFM90-RT16-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 16 | RT 1606.. | 127,00 € |
| NEW AFM90-RT16-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 16 | FOR SFTY | 171,00 € |
| NEW AFM90-RT16-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 16 | INSERT. | 197,00 € |
| NEW AFM90-RT16-D125-B40-Z09 | 125 | 9 | 40 | 63 | 16 | | 315,00 € |

90°

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AFM90S-SD1204-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 11 | | 222,00 € |
| AFM90S-SD1204-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 11 | SDMT 1204.. | 262,00 € |
| AFM90S-SD1204-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 11 | FOR | 292,00 € |
| AFM90S-SD1204-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 11 | DJT INSERT. | 375,00 € |
| AFM90S-SD1204-D125-B40-Z10 | 125 | 10 | 40 | 63 | 11 | | 489,00 € |
| AFM90S-SD1204-D160-C40-Z12 | 160 | 12 | 40 | 63 | 11 | | 607,00 € |

90°

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AFM90-SD09M4-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 9 | | 144,00 € |
| AFM90-SD09M4-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 9 | SD.. 09M4.. | 156,00 € |
| AFM90-SD09M4-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 9 | FOR KRLY | 180,00 € |
| AFM90-SD09M4-D063-A27-Z06-H | 63 | 6 | 27 | 40 | 9 | INSERT. | 180,00 € |
| AFM90-SD09M4-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 9 | | 210,00 € |
| AFM90-SD1305-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 13 | | 156,00 € |
| AFM90-SD1305-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 13 | SD.. 1305.. | 180,00 € |
| AFM90-SD1305-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 13 | FOR KRLY | 210,00 € |
| AFM90-SD1305-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 13 | INSERT. | 256,00 € |
| AFM90-SD1305-D125-B40-Z08 | 125 | 8 | 40 | 63 | 13 | | 341,00 € |
| AFM90-SD1305-D160-C40-Z10 | 160 | 10 | 40 | 63 | 13 | | 417,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-R390.11-D040-A16-Z05-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-TNG10-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5 | | 144,00 € |
| | AFM90-TNG10-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 5 | | 168,00 € |
| | AFM90-TNG10-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 5 | | 174,00 € |
| | AFM90-TNG10-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 5 | | 200,00 € |
| | AFM90-TNG10-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5 | TNGX 1004.. | 194,00 € |
| | AFM90-TNG10-D063-A22-Z09-H | 63 | 9 | 22 | 40 | 5 | FOR PRMT | 240,00 € |
| | AFM90-TNG10-D080-A27-Z10-H | 80 | 10 | 27 | 50 | 5 | INSERT | 276,00 € |
| | AFM90-TNG16-D040-A16-Z03-H | 40 | 3 | 16 | 40 | 10 | | 121,00 € |
| | AFM90-TNG16-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 10 | | 144,00 € |
| | AFM90-TNG16-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 10 | | 158,00 € |
| | AFM90-TNG16-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 10 | | 174,00 € |
| | AFM90-TNG16-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 10 | | 168,00 € |
| | AFM90-TNG16-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 10 | | 194,00 € |
| | AFM90-TNG16-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 10 | | 200,00 € |
| | AFM90-TNG16-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 10 | TNGX 1606.. | 224,00 € |
| | AFM90-TNG16-D100-A32-Z06-H | 100 | 6 | 32 | 50 | 10 | FOR PRMT | 246,00 € |
| | AFM90-TNG16-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 10 | INSERT | 269,00 € |
| | AFM90-TNG16-D115-A32-Z06-H | 115 | 6 | 32 | 50 | 10 | | 287,00 € |
| | AFM90-TNG16-D125-A40-Z07-H | 125 | 7 | 40 | 63 | 10 | | 339,00 € |
| | AFM90-TNG16-D125-A40-Z09-H | 125 | 9 | 40 | 63 | 10 | | 358,00 € |
| | AFM90-TNG16-D140-B40-Z08-H | 140 | 8 | 40 | 63 | 10 | | 398,00 € |
| | AFM90-TNG16-D160-C40-Z10-H | 160 | 10 | 40 | 63 | 10 | | 466,00 € |
| | AFM90-TNG16-D175-C40-Z10-H | 175 | 10 | 40 | 63 | 10 | | 509,00 € |
| 90° | AFM90-SE09-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 6.7 | SEET 09T3.. | 139,00 € |
| | AFM90-SE09-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 6.7 | FOR ZCC | 162,00 € |
| | AFM90-SE09-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 6.7 | INSERT. | 185,00 € |
| 90° | AFM90-SE12-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 12 | | 143,00 € |
| | AFM90-SE12-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 12 | SEET 1203.. | 168,00 € |
| | AFM90-SE12-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 12 | FOR ZCC | 192,00 € |
| | AFM90-SE12-D100-A32-Z09-H | 100 | 9 | 32 | 50 | 12 | INSERT. | 240,00 € |
| | AFM90-SE12-D125-B40-Z11 | 125 | 11 | 40 | 63 | 12 | | 316,00 € |
| 90° | AFM90-SP1004-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 9.4 | SPMT 1004.. | 144,00 € |
| | AFM90-SP1004-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 9.4 | XPMT 1004.. | 162,00 € |
| | AFM90-SP1004-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 9.4 | QPMR 1004.. | 180,00 € |
| | AFM90-SP1004-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 9.4 | QPMT 1004.. | 182,00 € |
| | AFM90-SP1004-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 9.4 | FOR ISCR | 227,00 € |
| | AFM90-SP1004-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 9.4 | INSERT. | 256,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-TNG10-D040-A16-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-SP09T3-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 8.6 | SPMT 09T30.. | 162,00 € |
| | AFM90-SP09T3-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 8.6 | FOR SNDVK | 173,00 € |
| | AFM90-SP09T3-D063-A22-Z07-H | 63 | 7 | 22 | 40 | 8.6 | INSERT. | 197,00 € |
| | AFM90-SP09T3-D080-A27-Z08-H | 80 | 8 | 27 | 50 | 8.6 | | 227,00 € |
| 90° | AFM90-TN2207-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 15 | TN.X 2207.. | 200,00 € |
| | AFM90-TN2207-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 15 | FOR TGTC | 245,00 € |
| | AFM90-TN2207-D100-B32-Z06 | 100 | 6 | 32 | 50 | 15 | INSERT. | 295,00 € |
| | AFM90-TN2207-D125-B40-Z08 | 125 | 8 | 40 | 63 | 15 | | 389,00 € |
| 90° | AFM90-TP2205-D063-A22-Z04 | 63 | 4 | 22 | 40 | 18 | | 188,00 € |
| | AFM90-TP2205-D080-A27-Z06 | 80 | 6 | 27 | 50 | 18 | TPKT 2205.. | 221,00 € |
| | AFM90-TP2205-D100-A32-Z07 | 100 | 7 | 32 | 50 | 18 | FOR TGTC | 270,00 € |
| | AFM90-TP2205-D125-B40-Z08 | 125 | 8 | 40 | 63 | 18 | INSERT. | 363,00 € |
| | AFM90-TP2205-D160-C40-Z09 | 160 | 9 | 40 | 63 | 18 | | 489,00 € |
| | AFM90-TP2205-D200-C60-Z12 | 200 | 12 | 60 | 63 | 18 | | 681,00 € |
| 90° | AFM90-VC2205-D050-A22-Z03-H | 50 | 5 | 22 | 55 | 15 | VCKT 2205.. | 153,00 € |
| | AFM90-VC2205-D063-A22-Z04-H | 63 | 6 | 22 | 55 | 15 | FOR KRLY | 171,00 € |
| | AFM90-VC2205-D066-A27-Z04-H | 66 | 7 | 27 | 55 | 15 | INSERT. | 171,00 € |
| | AFM90-VC2205-D080-A27-Z05-H | 80 | 8 | 27 | 60 | 15 | | 197,00 € |
| 90° | AFM90-WNG04-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 4 | | 185,00 € |
| | AFM90-WNG04-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 4 | WNGU 0403.. | 197,00 € |
| | AFM90-WNG04-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 4 | FOR XTC-GSC | 194,00 € |
| | AFM90-WNG04-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 4 | INSERT. | 205,00 € |
| | AFM90-WNG04-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 4 | | 209,00 € |
| | AFM90-WNG08-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 7,5 | | 194,00 € |
| | AFM90-WNG08-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 7,5 | WNGU 0806.. | 209,00 € |
| | AFM90-WNG08-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 7,5 | FOR XTC-GSC | 216,00 € |
| | NEW AFM90-WNG08-D100-A32-Z07-H | 100 | 10 | 32 | 50 | 7,5 | INSERT. | 240,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-SP09T3-D040-A16-Z05-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-WN0604Z-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5.7 | FOR WNHU | 185,00 € |
| | AFM90-WN0604Z-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 5.7 | 0604.. | 194,00 € |
| | AFM90-WN0604Z-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5.7 | FOR ZCC | 209,00 € |
| | AFM90-WN0604Z-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 5.7 | INSERT. | 224,00 € |
| | AFM90-WN0604Z-D100-A32-Z09-H | 100 | 9 | 32 | 50 | 5.7 | | 283,00 € |
| | AFM90-WN0806Z-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 7.7 | | 185,00 € |
| | AFM90-WN0806Z-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 7.7 | WNHU 0806.. | 194,00 € |
| | AFM90-WN0806Z-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 7.7 | FOR ZCC | 200,00 € |
| | AFM90-WN0806Z-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 7.7 | INSERT. | 254,00 € |
| | AFM90-WN0806Z-D125-B40-Z10 | 125 | 10 | 40 | 63 | 7.7 | | 331,00 € |
| | AFM90-WN0806Z-D160-C40-Z12 | 160 | 12 | 40 | 63 | 7.7 | | 462,00 € |
| 90° | AFM90-WN0806-D050-A16-Z04-H | 50 | 4 | 16 | 40 | 8 | WNMX 080608 | 207,00 € |
| | AFM90-WN0806-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 8 | FOR KYCR-JD | 248,00 € |
| | AFM90-WN0806-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 8 | INSERT. | 299,00 € |
| 90° | AFM90-XN0403-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 4 | XNEX 0403.. | 151,00 € |
| | AFM90-XN0806-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 7.5 | XNEX 0806.. | 151,00 € |
| | AFM90-XN0806-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 7.5 | FOR SC INSERT. | 173,00 € |
| | AFM90-XN0806-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 7.5 | | 222,00 € |
| | AFM90-XN0806-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 7.5 | | 256,00 € |
| 90° | AFM90-XO12-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 11 | | 115,00 € |
| | AFM90-XO12-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 11 | XO.. 1204.. | 151,00 € |
| | AFM90-XO12-D063-A22-Z08-H | 63 | 8 | 22 | 40 | 11 | FOR SC INSERT. | 168,00 € |
| | AFM90-XO12-D080-A27-Z10-H | 80 | 10 | 27 | 50 | 11 | | 202,00 € |
| | AFM90-XO12-D100-A32-Z12-H | 100 | 12 | 32 | 50 | 11 | | 256,00 € |
| 90° | AFM90-3P1004-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 7 | 3PKT 1004.. | 138,00 € |
| | AFM90-3P1004-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 7 | FOR TGTC INSERT. | 166,00 € |
| | AFM90-3P1505-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 11 | | 138,00 € |
| | AFM90-3P1505-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 11 | | 162,00 € |
| | AFM90-3P1505-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 11 | 3PKT 1505.. | 156,00 € |
| | AFM90-3P1505-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 11 | FOR TGTC | 173,00 € |
| | AFM90-3P1505-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 11 | INSERT. | 233,00 € |
| | AFM90-3P1505-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 11 | | 280,00 € |
| | AFM90-3P1505-D125-B40-Z10 | 125 | 10 | 40 | 63 | 11 | | 354,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-WN0604Z-D040-A16-Z04-H

## FACE MILLING TOOLS / *PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 90° | AFM90-4N06-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 6 | 4NKT 0603.. | 138,00 € |
| | AFM90-4N06-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 6 | FOR TGTC | 166,00 € |
| | | | | | | | INSERT. | |
| new 90° | AFM90-6N09-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 9 | 6NGU 0905.. | 194,00 € |
| | AFM90-6N09-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 9 | FOR MTSBH | 209,00 € |
| | AFM90-6N09-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 9 | INSERT. | 224,00 € |
| | AFM90-6N09-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 9 | | 254,00 € |
| | AFM90-6N14-D050-A22-Z04-H | 50 | 4 | 22 | 50 | 8.2 | 6NMU 1409.. | 164,00 € |
| | AFM90-6N14-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 8.2 | FOR MTSBH | 209,00 € |
| | AFM90-6N14-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 8.2 | INSERT. | 225,00 € |
| | AFM90-6N14-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 8.2 | | 255,00 € |
| | AFM90-6N14-D125-B40-Z08 | 125 | 8 | 40 | 63 | 8.2 | | 363,00 € |

## FACE AND COPY MILLING TOOLS / *MESSERKÖPFE FÜR RUNGE WENDESCHNEIDPLATTEN*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| -° | AFMR-RC10T3-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5 | RC.. 10T3.. | 131,00 € |
| | AFMR-RC10T3-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 5 | FOR ZCC | 157,00 € |
| | AFMR-RC10T3-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 5 | INSERT. | 181,00 € |
| -° | AFMR-RC1204-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 6 | RC.. 1204.. | 162,00 € |
| | AFMR-RC1204-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 6 | DOR SNDVK | 179,00 € |
| | AFMR-RC1204-D052-A22-Z05-H | 52 | 5 | 22 | 50 | 6 | INSERT. | 192,00 € |
| | AFMR-RC1204-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 6 | | 205,00 € |
| | AFMR-RC1204-D063-A27-Z06-H | 63 | 6 | 27 | 50 | 6 | | 205,00 € |
| | AFMR-RC1204-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 6 | | 240,00 € |
| -° | AFMR-RP10T3-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5 | RPNX 10T3.. | 169,00 € |
| | AFMR-RP10T3-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 5 | FOR CRTZT INSERT. | 196,00 € |
| | AFMR-RP1204-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 6 | RPNX 1204.. | 124,00 € |
| | AFMR-RP1204-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 6 | FOR CRTZT | 196,00 € |
| | | | | | | | INSERT. | |
| -° | NEW AFMR-RP1204M-D042-A16-Z04-H | 40 | 4 | 16 | 40 | 6 | RPMT 1204.. | 140,00 € |
| | AFMR-RP1204M-D050-A22-Z04-H | 50 | 4 | 22 | 50 | 6 | FOR MTSBSH | 143,00 € |
| | AFMR-RP1204M-D052-A22-Z05-H | 52 | 5 | 22 | 50 | 6 | INSERT. | 151,00 € |
| | AFMR-RP1204M-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 6 | | 155,00 € |
| | AFMR-RP1204M-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | | 180,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

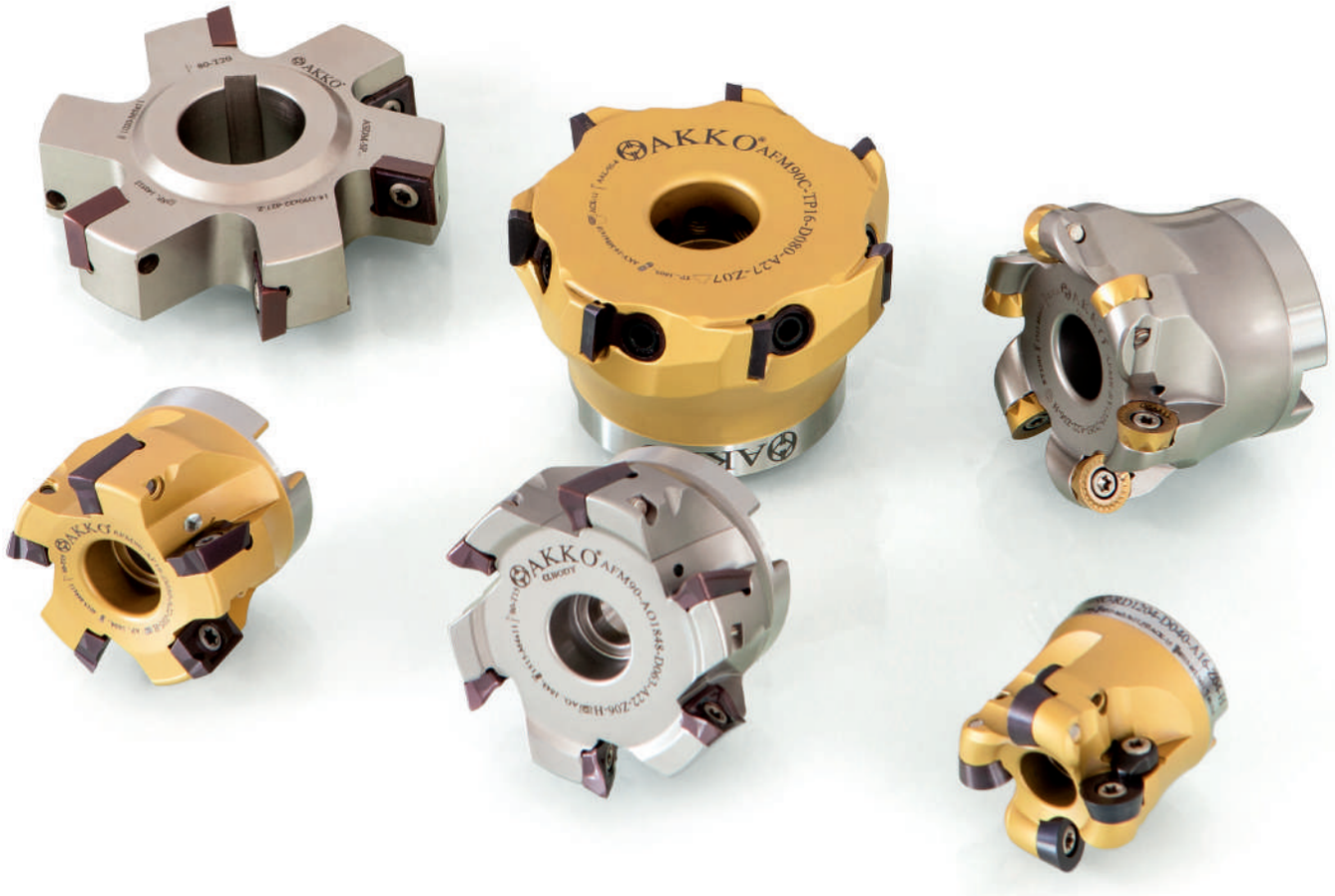
Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM90-4N06-D040-A16-Z04-H

## FACE AND COPY MILLING TOOLS / *MESSERKÖPFE FÜR RUNGE WENDESCHNEIDPLATTEN*

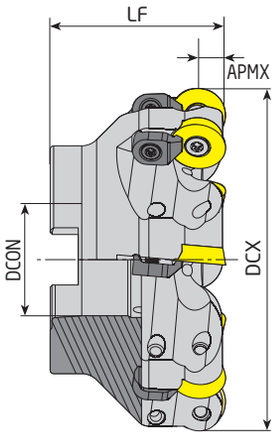
| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AFMR-RY10-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5 | RYMX 1004.. | 124,00 € |
| | AFMR-RY10-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 5 | FOR TGTC | 145,00 € |
| | AFMR-RY10-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 5 | INSERT. | 156,00 € |
| | AFMR-RY10-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 5 | | 192,00 € |
| | AFMR-RY12-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 6 | | 124,00 € |
| | AFMR-RY12-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 6 | RYMX 1205.. | 156,00 € |
| | AFMR-RY12-D052-A22-Z05-H | 52 | 5 | 22 | 50 | 6 | FOR TGTC | 156,00 € |
| | AFMR-RY12-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 6 | INSERT. | 192,00 € |
| | AFMR-RY12-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 6 | | 202,00 € |
| -° | AFMR-RY12-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 6 | | 255,00 € |
| | AFMR-QP10T3-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5 | QP.. 10T3.. | 153,00 € |
| | AFMR-QP10T3-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 5 | FOR SMTM | 181,00 € |
| | AFMR-QP10T3-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5 | INSERT. | 207,00 € |
| | AFMR-QP1204-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 6 | QP.. 1204.. | 181,00 € |
| | AFMR-QP1204-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 6 | FOR SMTM | 207,00 € |
| | | | | | | | INSERT. | |
| -° | | | | | | | | |
| new | AFMRC-RO20-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 10 | ROMX 2006 | 186,00 € |
| | AFMRC-RO20-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 10 | FOR WLTR | 233,00 € |
| | | | | | | | INSERT. | |
| -° | | | | | | | | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFMR-RY10-D040-A16-Z04-H



## FACE AND COPY MILLING TOOLS / *MESSERKÖPFE FÜR RUNGE WENDESCHNEIDPLATTEN*




-°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFMR-RD0702-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 3.5 | RD.. 0702.. | 166,00 € |
| AFMR-RD0803-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 4 | RD.. 0803.. | 166,00 € |
| NEW AFMRC-RD1003-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5 | | 124,00 € |
| AFMRC-RD1003-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 5 | RD.. 1003.. | 124,00 € |
| AFMRC-RD1003-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 5 | FOR ISO INSERT. | 145,00 € |
| AFMRC-RD1003-D052-A22-Z05 | 52 | 5 | 22 | 50 | 5 | | 145,00 € |
| AFMRC-RD1003-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 5 | | 169,00 € |
| NEW AFMRC-RD1003-D066-A27-Z07-H | 66 | 7 | 27 | 50 | 5 | | 186,00 € |
| AFMRC-RD1003-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 5 | | 196,00 € |
| AFMRC-RD1003-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 5 | | 241,00 € |
| NEW AFMR-RD1004-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 50 | RD.. 1004.. ISO | 169,00 € |
| NEW AFMRC-RD10T3-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 5 | | 140,00 € |
| NEW AFMRC-RD10T3-D042-A16-Z05-H | 42 | 5 | 16 | 40 | 5 | RD.. 10T3.. | 140,00 € |
| AFMRC-RD10T3-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 5 | FOR ISO INSERT. | 145,00 € |
| NEW AFMRC-RD10T3-D052-A22-Z06-H | 52 | 6 | 22 | 40 | 5 | | 164,00 € |
| NEW AFMRC-RD10T3-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 5 | | 169,00 € |
| NEW AFMR-RD12T3-D066-A27-Z06-H | 66 | 6 | 22 | 50 | 5 | | 169,00 € |
| AFMRC-RD12T3-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 6 | | 124,00 € |
| AFMRC-RD12T3-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 6 | | 145,00 € |
| AFMRC-RD12T3-D052-A22-Z05-H | 52 | 5 | 22 | 40 | 6 | RD.. 12T3.. | 145,00 € |
| AFMRC-RD12T3-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 6 | FOR ISO INSERT. | 169,00 € |
| AFMRC-RD12T3-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 6 | | 196,00 € |
| AFMRC-RD12T3-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 6 | | 241,00 € |
| AFMRC-RD12T3-D125-B40-Z09 | 125 | 9 | 40 | 63 | 6 | | 319,00 € |
| AFMRC-RD1204-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 6 | | 124,00 € |
| AFMRC-RD1204-D042-A16-Z04-H | 42 | 4 | 16 | 40 | 6 | | 124,00 € |
| NEW AFMRC-RD1204-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 6 | RD.. 1204.. | 145,00 € |
| AFMRC-RD1204-D052-A22-Z05-H | 52 | 5 | 22 | 40 | 6 | FOR ISO INSERT. | 145,00 € |
| AFMRC-RD1204-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 6 | | 169,00 € |
| AFMRC-RD1204-D080-A27-Z07-H | 80 | 7 | 27 | 50 | 6 | | 196,00 € |
| AFMRC-RD1204-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 6 | | 228,00 € |
| AFMRC-RD1204-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 6 | | 241,00 € |
| AFMRC-RD1604-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 8 | | 157,00 € |
| AFMRC-RD1604-D052-A22-Z04-H | 52 | 4 | 22 | 50 | 8 | | 157,00 € |
| AFMRC-RD1604-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 8 | RD.. 1604.. | 180,00 € |
| AFMRC-RD1604-D066-A22-Z05-H | 66 | 5 | 22 | 50 | 8 | FOR ISO INSERT. | 180,00 € |
| AFMRC-RD1604-D066-A27-Z05-H | 66 | 5 | 27 | 50 | 8 | | 180,00 € |
| AFMRC-RD1604-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 8 | | 225,00 € |
| AFMRC-RD1604-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 8 | | 256,00 € |
| AFMRC-RD1604-D125-B40-Z07 | 125 | 7 | 40 | 63 | 8 | | 334,00 € |
| AFMRC-RD1604-D160-C40-Z08 | 160 | 8 | 40 | 63 | 8 | | 444,00 € |

## C SYSTEM FACE MILLING TOOLS / *C SYSTEM PLAN UND ECKMESSERKÖPFE*

43°

| CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|
| AFM43C-OF07-D063-A22-Z04 | 63 | 4 | 22 | 40 | 5 | | 169,00 € |
| AFM43C-OF07-D080-A27-Z05 | 80 | 5 | 27 | 50 | 5 | OF.. 0704.. | 196,00 € |
| AFM43C-OF07-D100-A32-Z06 | 100 | 6 | 32 | 50 | 5 | FOR ISO INSERT. | 252,00 € |
| AFM43C-OF07-D125-B40-Z08 | 125 | 8 | 40 | 63 | 5 | | 358,00 € |
| AFM43C-OF07-D160-C40-Z09 | 160 | 9 | 40 | 63 | 5 | | 441,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFMR-RD0702-D050-A22-Z06-H

## C SYSTEM FACE MILLING TOOLS / *C SYSTEM PLAN UND ECKMESSERKÖPFE*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DC | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| 45° | AFM45C-HN0905-D063-A22-Z07 | 63 | 7 | 22 | 40 | 4.5 | | 192,00 € |
| | AFM45C-HN0905-D080-A27-Z09 | 80 | 9 | 27 | 50 | 4.5 | HN.. 0905.. | 225,00 € |
| | AFM45C-HN0905-D100-A32-Z11 | 100 | 11 | 32 | 50 | 4.5 | FOR WDA-KNMTL | 256,00 € |
| | AFM45C-HN0905-D125-B40-Z13 | 125 | 13 | 40 | 63 | 4.5 | INSERT. | 314,00 € |
| | AFM45CL-HN0905-D125-B40-Z10 | 125 | 10 | 40 | 63 | 4.5 | | 314,00 € |
| | AFM45C-HN0905-D160-C40-Z15 | 160 | 15 | 40 | 63 | 4.5 | | 448,00 € |
| 45° | AFM45C-XN0806-D063-A22-Z05 | 63 | 5 | 22 | 50 | 4.5 | | 168,00 € |
| | AFM45C-XN0806-D080-A27-Z06 | 80 | 6 | 27 | 50 | 4.5 | XNMU 0806.. | 185,00 € |
| | AFM45C-XN0806-D100-A32-Z08 | 100 | 8 | 32 | 50 | 4.5 | FOR DJT | 221,00 € |
| | AFM45C-XN0806-D125-B40-Z08 | 125 | 8 | 40 | 63 | 4.5 | INSERT. | 263,00 € |
| | AFM45C-XN0806-D160-C40-Z10 | 160 | 10 | 40 | 63 | 4.5 | | 396,00 € |
| | AFM45C-XN0806-D200-C60-Z12 | 200 | 12 | 60 | 63 | 4.5 | | 571,00 € |
| 75° | AFM75C-SP12-D050-A22-Z04 | 50 | 4 | 22 | 42 | 8 | | 131,00 € |
| | AFM75C-SP12-D063-A22-Z05 | 63 | 5 | 22 | 40 | 8 | | 151,00 € |
| | AFM75C-SP12-D080-A27-Z06 | 80 | 6 | 27 | 50 | 8 | | 180,00 € |
| | AFM75C-SP12-D100-A32-Z07 | 100 | 7 | 32 | 50 | 8 | SPKN 1203.. | 215,00 € |
| | AFM75C-SP12-D125-B40-Z08 | 125 | 8 | 40 | 63 | 8 | FOR ISO INSERT. | 287,00 € |
| | AFM75C-SP12-D160-C40-Z09 | 160 | 9 | 40 | 63 | 8 | | 358,00 € |
| | AFM75C-SP12-D200-C60-Z12 | 200 | 12 | 60 | 63 | 8 | | 507,00 € |
| 88° | AFM88C-SN1204-D050-A22-Z05 | 50 | 5 | 22 | 40 | 11 | | 193,00 € |
| | AFM88C-SN1204-D063-A22-Z06 | 63 | 6 | 22 | 40 | 11 | SN.. 1204.. | 240,00 € |
| | AFM88C-SN1204-D080-A27-Z07 | 80 | 7 | 27 | 50 | 11 | FOR UNIN-NT.-KYCR | 319,00 € |
| | AFM88C-SN1204-D100-A32-Z08 | 100 | 8 | 32 | 50 | 11 | INSERT. | 350,00 € |
| | AFM88C-SN1204-D125-B40-Z11 | 125 | 11 | 40 | 63 | 11 | | 522,00 € |
| 90° | AFM90C-TP16-D050-A22-Z04 | 50 | 4 | 22 | 40 | 12 | | 131,00 € |
| | AFM90C-TP16-D063-A22-Z06 | 63 | 6 | 22 | 45 | 12 | | 151,00 € |
| | AFM90C-TP16-D080-A27-Z07 | 80 | 7 | 27 | 50 | 12 | TP.. 1603.. | 180,00 € |
| | AFM90C-TP16-D100-A32-Z08 | 100 | 8 | 32 | 50 | 12 | FOR ISO INSERT. | 215,00 € |
| | AFM90C-TP16-D125-B40-Z08 | 125 | 8 | 40 | 63 | 12 | | 287,00 € |
| | AFM90C-TP22-D063-A22-Z05 | 63 | 5 | 22 | 45 | 18 | | 151,00 € |
| | AFM90C-TP22-D080-A27-Z06 | 80 | 6 | 27 | 50 | 18 | | 180,00 € |
| | AFM90C-TP22-D100-A32-Z07 | 100 | 7 | 32 | 50 | 18 | TP.. 2204.. | 215,00 € |
| | AFM90C-TP22-D125-B40-Z08 | 125 | 8 | 40 | 63 | 18 | FOR ISO INSERT. | 287,00 € |
| | AFM90C-TP22-D160-C40-Z09 | 160 | 9 | 40 | 63 | 18 | | 358,00 € |
| | AFM90C-TP22-D200-C60-Z12 | 200 | 12 | 60 | 63 | 18 | | 507,00 € |
| | AFM90C-TP22-D250-C60-Z15 | 250 | 15 | 60 | 63 | 18 | | 714,00 € |
| | AFM90C-TP22-D315-D60-Z18 | 315 | 18 | 60 | 63 | 18 | | 1.155,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AFM45C-HN0905-D063-A2-Z07

## HIGH FEED MILLING TOOLS / *HOCHVORSCHUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| -° | AHFM-BL0603-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 1 | BLMP 0603.. | 146,00 € |
| | AHFM-BL0603-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 1 | | 178,00 € |
| | AHFM-BL0904-D040-A16-Z05-H | 40 | 5 | 16 | 40 | 2 | BLMP 0904.. | 128,00 € |
| | AHFM-BL0904-D050-A22-Z06-H | 50 | 6 | 22 | 50 | 2 | FOR TGTC | 146,00 € |
| | AHFM-BL0904-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 2 | INSERT. | 184,00 € |
| | AHFM-BL0904-D063-A22-Z07-H | 63 | 7 | 22 | 50 | 2 | | 251,00 € |
| -° | AHFM-BL1205-D050-A22-Z03-H | 50 | 3 | 22 | 40 | 2 | BLMP 1205.. | 245,00 € |
| | AHFM-BL1205-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 2 | FOR TGTC | 276,00 € |
| | AHFM-BL1205-D080-A27-Z05-H | 80 | 5 | 27 | 50 | 2 | INSERT. | 326,00 € |
| -° | AHFM-EN1004-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 1 | ENMU 1004.. | 157,00 € |
| | AHFM-EN1004-D050-A22-Z06-H | 50 | 6 | 22 | 50 | 1 | FOR DJT | 172,00 € |
| | AHFM-EN1004-D052-A22-Z06-H | 52 | 6 | 22 | 50 | 1 | INSERT. | 172,00 € |
| | AHFM-EN1004-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 1 | | 182,00 € |
| -° | AHFM-EP1003-D050-A22-Z08-H | 50 | 8 | 22 | 40 | 1 | EP.. 1003.. | 199,00 € |
| | AHFM-EP1003-D063-A22-Z08-H | 63 | 8 | 22 | 40 | 1 | ZPMT 1003.. | 210,00 € |
| | | | | | | | YPHW 1003.. | |
| | | | | | | | FOR DJT | |
| | | | | | | | INSERT. | |
| -° | AHFM-LO03-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 1 | LOGU 0303.. | 192,00 € |
| | AHFM-LO03-D050-A22-Z07-H | 50 | 7 | 22 | 40 | 1 | FOR KYCR | 225,00 € |
| | AHFM-LO03-D063-A22-Z09-H | 63 | 9 | 22 | 40 | 1 | INSERT. | 279,00 € |
| -° | AHFM-LN0303-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 12 | LNMU 0303.. | 173,00 € |
| | AHFM-LN0303-D050-A22-Z07-H | 50 | 7 | 22 | 50 | 12 | FOR TNGLY | 202,00 € |
| | AHFM-LN0303-D063-A22-Z09-H | 63 | 9 | 22 | 50 | 12 | INSERT. | 251,00 € |
| -° | AHFM-JD1003-D040-A16-Z06-H | 40 | 6 | 16 | 40 | 9 | JDMT 1003.. | 223,00 € |
| | AHFM-JD1003-D063-A22-Z08-H | 63 | 8 | 22 | 40 | 9 | FOR MTSBH | 281,00 € |
| | | | | | | | INSERT. | |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-BL0603-D040-A16-Z06-H

## HIGH FEED MILLING TOOLS / *HOCHVORSCHUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AHFM-SP0945-D050-A22-Z06-H | 50 | 6 | 22 | 40 | 1.4 | SPMX 0945.. | 183,00 € |
| | AHFM-SP0945-D052-A22-Z06-H | 52 | 6 | 22 | 40 | 1.4 | FOR MTSBH | 198,00 € |
| | | | | | | | INSERT. | |
| | AHFM-J009-D050-A22-Z04-H | 50 | 4 | 22 | 50 | 1.2 | JOMU 0905.. | 161,00 € |
| | AHFM-J009-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 1.2 | FOR MTSBH | 189,00 € |
| | | | | | | | INSERT. | |
| | AHFMC-JD1204-D052-A22-Z03-H | 52 | 3 | 22 | 50 | 1.5 | | 180,00 € |
| | AHFMC-JD1204-D052-A22-Z04-H | 52 | 4 | 22 | 50 | 1.5 | JDMW 1204.. | 202,00 € |
| | AHFMC-JD1204-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 1.5 | FOR MTSBH | 233,00 € |
| | AHFMC-JD1204-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 1.5 | INSERT. | 275,00 € |
| | AHFMC-JD1204-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 1.5 | | 321,00 € |
| | AHFMC-JD1405-D052-A22-Z03-H | 52 | 3 | 22 | 40 | 2 | JDMW 1405.. | 202,00 € |
| | AHFMC-JD1405-D063-A22-Z04-H | 63 | 4 | 22 | 40 | 2 | FOR MTSBH INSERT. | 239,00 € |
| | AHFMC-SD1204-D050-A22-Z04-H | 50 | 4 | 22 | 40 | 1.8 | SD.. 1204.. | 178,00 € |
| | AHFMC-SD1204-D063-A22-Z05-H | 63 | 5 | 22 | 40 | 1.8 | FOR ZCC | 205,00 € |
| | AHFMC-SD1204-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 1.8 | INSERT. | 281,00 € |
| | AHFMC-SD1204-D100-A32-Z08-H | 100 | 8 | 32 | 50 | 1.8 | | 341,00 € |
| | AHFM-SD1205-D052-A22-Z04-H | 52 | 4 | 22 | 50 | 2 | SD.. 1205.. | 211,00 € |
| | AHFM-SD1205-D052-A22-Z05-H | 52 | 5 | 22 | 50 | 2 | FOR HTCH | 228,00 € |
| | NEW AHFM-SD1205-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 2 | INSERT. | 256,00 € |
| | AHFM-SD1205-D066-A22-Z05-H | 66 | 5 | 22 | 50 | 2 | | 256,00 € |
| | AHFM-SD1205-D066-A22-Z06-H | 66 | 6 | 22 | 50 | 2 | | 274,00 € |
| | AHFM-SD1205-D080-A27-Z06-H | 80 | 6 | 27 | 70 | 2 | | 296,00 € |
| | AHFM-SO1004-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 1.5 | SOMT 1004.. | 205,00 € |
| | AHFM-SO1004-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 1.5 | FOR KYCR | 234,00 € |
| | AHFM-SO1004-D080-A27-Z07-H | 80 | 7 | 27 | 63 | 1.5 | INSERT. | 290,00 € |
| | AHFM-SP1004-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 9.4 | SPNW 1004.. | 212,00 € |
| | AHFM-SP1004-D052-A22-Z05-H | 52 | 5 | 22 | 50 | 9.4 | FOR DJT | 212,00 € |
| | AHFM-SP1004-D063-A22-Z06-H | 63 | 6 | 22 | 50 | 9.4 | INSERT. | 234,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFM-SP0945-D050-A22-Z06-H

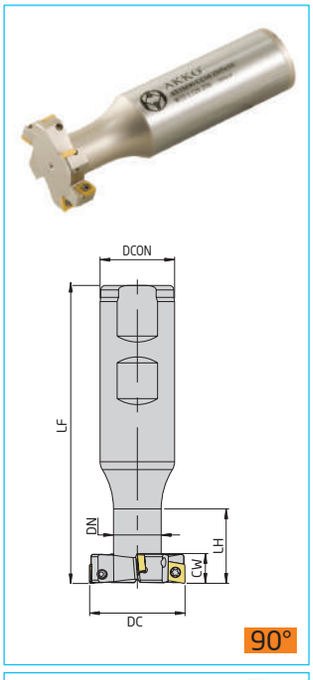
## HIGH FEED MILLING TOOLS / *HOCHVORSCHUBFRÄSER*

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* DCX | ZEFP | DCON | LF | APMX | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|
| | AHFMC-WD06T3D-D042-A16-Z04-H | 42 | 4 | 16 | 45 | 1.5 | WD.W 06T3.. | 182,00 € |
| | AHFMC-WD06T3D-D050-A22-Z05-H | 50 | 5 | 22 | 50 | 1.5 | FOR DJT | 193,00 € |
| | AHFMC-WD06T3D-D052-A22-Z05-H | 52 | 5 | 22 | 50 | 1.5 | INSERT. | 197,00 € |
| | AHFMC-WD0805D-D052-A22-Z04-H | 52 | 4 | 22 | 50 | 2 | | 193,00 € |
| | AHFMC-WD0805D-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 2 | WD.W 0805.. | 218,00 € |
| | AHFMC-WD0805D-D063-A27-Z05-H | 63 | 5 | 27 | 50 | 2 | FOR DJT | 218,00 € |
| | AHFMC-WD0805D-D066-A27-Z05-H | 66 | 5 | 27 | 50 | 2 | INSERT. | 233,00 € |
| | AHFMC-WD0805D-D080-A27-Z05 | 80 | 5 | 27 | 50 | 2 | | 262,00 € |
| | AHFMC-WD0805D-D100-A32-Z06 | 100 | 6 | 32 | 50 | 2 | | 334,00 € |
| | AHFMC-WD10X6D-D125-B40-Z06 | 125 | 6 | 40 | 63 | 2.5 | WD.W 10X6.. | 368,00 € |
| | AHFMC-WD10X6D-D160-C40-Z07 | 160 | 7 | 40 | 63 | 2.5 | FOR DJT | 459,00 € |
| | | | | | | | INSERT. | |
| | AHFMC-WD0804-D040-A16-Z04-H | 40 | 4 | 16 | 40 | - | WDMT 0804.. | 194,00 € |
| | AHFMC-WD0804-D050-A22-Z04-H | 50 | 4 | 22 | 50 | - | FOR SMTM INSERT. | 215,00 € |
| | AHFMC-WD1205-D050-A22-Z04-H | 50 | 4 | 22 | 50 | - | WDMT 1205.. | 199,00 € |
| | AHFMC-WD1205-D052-A22-Z04-H | 52 | 4 | 22 | 50 | - | FOR SMTM | 199,00 € |
| | AHFMC-WD1205-D063-A22-Z05-H | 63 | 5 | 22 | 50 | - | INSERT. | 234,00 € |
| | AHFMC-WD1205-D080-A27-Z06-H | 80 | 6 | 27 | 63 | - | | 270,00 € |
| | AHFM-WN0907-D050-A22-Z04-H | 50 | 4 | 22 | 50 | 3 | WNMU 0907.. | 214,00 € |
| | AHFM-WN0907-D052-A22-Z04-H | 52 | 4 | 22 | 50 | 3 | FOR DJT | 214,00 € |
| | AHFM-WN0907-D063-A22-Z05-H | 63 | 5 | 22 | 50 | 3 | INSERT. | 231,00 € |
| | AHFM-WN0907-D066-A27-Z05-H | 66 | 5 | 27 | 50 | 3 | | 245,00 € |
| | AHFM-WN0907-D080-A27-Z06-H | 80 | 6 | 27 | 50 | 3 | | 305,00 € |
| | AHFM-WN0907-D100-A32-Z07-H | 100 | 7 | 32 | 50 | 3 | | 368,00 € |
| | AHFM-WN09T3-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 1.5 | | 186,00 € |
| | AHFML-WN09T3-D040-A16-Z04-H | 40 | 4 | 16 | 40 | 1.5 | WNMX 09T3.. | 186,00 € |
| | AHFM-WN09T3-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 1.5 | FOR KRLY | 224,00 € |
| | AHFML-WN09T3-D050-A22-Z05-H | 50 | 5 | 22 | 40 | 1.5 | INSERT. | 224,00 € |
| | AHFM-WN09T3-D063-A22-Z06-H | 63 | 6 | 22 | 40 | 1.5 | | 252,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. AHFMC-WD06T3D-D042-A16-Z04-H

# T - SLOT MILLING / *T - NUTENFRÄSER*

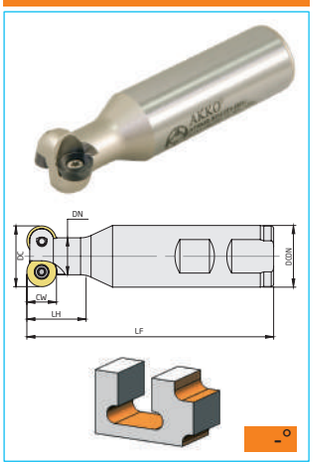



90°

| | CODE / *TYP* | ZEFP TOPLAM | ZEFP ETKİLİ | TOOL DIMENSIONS (mm) *MAß* DC | CW | DCON | LF | DN | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ATSM90-CC06-D17X8-W16-L85-Z02 | 2 | 1 | 17 | 8 | 16 | 85 | 10 | 16 | | 120,00 € |
| NEW | ATSM90-CC06-D22X8-W20-L83-Z04 | 4 | 2 | 22 | 8 | 20 | 83 | 9 | 38 | | 157,00 € |
| | ATSM90-CC06-D28X8-W20-L66-Z04 | 4 | 2 | 32 | 8 | 25 | 100 | 16 | 23 | | 185,00 € |
| | ATSM90-CC06-D32X8-W25-L100-Z04 | 4 | 2 | 28 | 8 | 20 | 66 | 14 | 15.5 | | 158,00 € |
| | ATSM90-CC06-D45.5X8-W25-L100-Z06 | 6 | 3 | 45.5 | 8 | 25 | 100 | 12 | 30 | | 281,00 € |
| | ATSM90-CC06-D63X8-W32-L125-Z08 | 8 | 4 | 63 | 8 | 32 | 125 | 31.5 | 30 | CC.. 0602.. | 263,00 € |
| | ATSM90-CC06-D18X9-W16-L90-Z02 | 2 | 1 | 18 | 9 | 16 | 90 | 10 | 16 | FOR ISO | 120,00 € |
| | ATSM90-CC06-D20X9-W16-L85-Z04 | 4 | 2 | 20 | 9 | 16 | 85 | 10 | 16 | INSERT. | 152,00 € |
| | ATSM90-CC06-D23X10-W20-L90-Z04 | 4 | 2 | 23 | 10 | 20 | 90 | 12 | 25 | | 157,00 € |
| | ATSM90-CC06-D32X10-W25-L100-Z04 | 4 | 2 | 32 | 10 | 25 | 100 | 16 | 25 | | 158,00 € |
| | ATSM90-CC06-D45X10-W32-L120-Z06 | 6 | 3 | 45 | 10 | 32 | 120 | 20 | 25 | | 198,00 € |
| | ATSM90-CC06-D25X11-W25-L100-Z04 | 4 | 2 | 25 | 11 | 25 | 100 | 13 | 20 | | 157,00 € |
| | ATSM90-CC09-D30X12-W25-L100-Z04 | 4 | 2 | 30 | 12 | 25 | 100 | 16 | 25 | | 171,00 € |
| | ATSM90-CC09-D32X12-W25-L100-Z02 | 2 | 1 | 32 | 12 | 25 | 100 | 16 | 25 | CC.. 09T3.. | 169,00 € |
| | ATSM90-CC09-D32X12-W25-L100-Z04 | 4 | 2 | 32 | 12 | 25 | 100 | 16 | 25 | FOR ISO | 183,00 € |
| | ATSM90-CC09-D32X14-W25-L100-Z04 | 4 | 2 | 32 | 14 | 25 | 100 | 16 | 25 | INSERT. | 183,00 € |
| | ATSM90-CC09-D37X16-W32-L120-Z04 | 4 | 2 | 37 | 16 | 32 | 120 | 17 | 30 | | 172,00 € |
| | ATSM90-CC09-D42X17-W32-L120-Z04 | 4 | 2 | 42 | 17 | 32 | 120 | 19 | 30 | | 184,00 € |
| | ATSM90-CC09-D40X17-W32-L120-Z04-H | 4 | 2 | 40 | 17 | 32 | 120 | 19 | 30 | | 184,00 € |
| | ATSM90-CC12-D47X20-W32-L120-Z04 | 4 | 2 | 47 | 20 | 32 | 120 | 25 | 45 | CC.. 1204.. | 198,00 € |
| | ATSM90-CC12-D52X21-W32-L120-Z04 | 4 | 2 | 52 | 21 | 32 | 120 | 25 | 45 | FOR ISO | 225,00 € |
| | ATSM90-CC12-D50X22-W32-L120-Z04 | 4 | 2 | 50 | 22 | 32 | 120 | 25 | 45 | INSERT. | 211,00 € |
| | ATSM90-CC12-D55X22-W32-L120-Z04 | 4 | 2 | 55 | 22 | 32 | 120 | 25 | 45 | | 237,00 € |

90°

| | CODE / *TYP* | ZEFP TOPLAM | ZEFP ETKİLİ | TOOL DIMENSIONS (mm) *MAß* DC | CW | DCON | LF | DN | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ATSM90-SP..05-D22.5X5-W25-L100-Z04 | 4 | 2 | 22.5 | 5 | 25 | 100 | 12 | 25 | SPMG 050204 | 202,00 € |
| NEW | ATSM90-SP..05-D25X5-W25-L100-Z04 | 4 | 2 | 25 | 5 | 25 | 100 | 9 | 25 | FOR TGTC INSERT. | 157,00 € |
| | ATSM90-SP..05-D30X5-W25-L100-Z04 | 4 | 2 | 30 | 5 | 25 | 100 | 10 | 25 | | 287,00 € |
| | ATSM90-SPGT0502-D63X6-W32-L125-Z10 | 10 | 5 | 63 | 6 | 32 | 125 | 31 | 30 | SPGT 050204 | 316,00 € |
| | ATSM90-SPGT0904-D32X14-W32-L120-Z04-H | 4 | 2 | 32 | 14 | 32 | 120 | 17.5 | 30 | SPGT 090408 | 172,00 € |
| | ATSM90-SPGT0904-D37X16-W32-L120-Z04-H | 4 | 2 | 37 | 16 | 32 | 120 | 21 | 40 | FOR ZCC INSERT. | 172,00 € |
| | ATSM90-SPGT0904-D42X17-W32-L120-Z04-H | 4 | 2 | 42 | 17 | 32 | 120 | 21 | 40 | | 184,00 € |
| | ATSM90-SPGT1104-D47X20-W32-L120-Z04-H | 4 | 2 | 47 | 20 | 32 | 120 | 24 | 45 | SPGT 110408 | 198,00 € |
| | ATSM90-SP..06-D80X7-W32-L120-Z10 | 10 | 5 | 80 | 7 | 32 | 120 | 32 | 30 | SPMG 060204 TGTC | 775,00 € |




-°

| | CODE / *TYP* | TOOL DIMENSIONS (mm) *MAß* ZEFP | DCX | CW | DCON | LF | DN | LH | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|---|
| | ATSMR-RD0702-D17-W16-L90-Z02 | 2 | 17 | 7 | 16 | 90 | 10 | 12 | RD.. 0702.. | 151,00 € |
| | ATSMR-RD0702-D25-W16-L90-Z03 | 3 | 25 | 7 | 16 | 90 | 15 | 12 | FOR ISO | 173,00 € |
| | ATSMR-RD0702-D35-W25-L100-Z05 | 5 | 35 | 7 | 25 | 100 | 20 | 20 | INSERT. | 210,00 € |
| | ATSMR-RD1003-D21-W25-L100-Z02 | 2 | 21 | 10 | 25 | 100 | 12 | 20 | RD.. 1003.. | 156,00 € |
| | ATSMR-RD1003-D80-W32-L165-Z06-H | 6 | 80 | 10 | 32 | 165 | 30 | 31.5 | | 857,00 € |
| | ATSMR-RD12T3-D25-W25-L100-Z02 | 2 | 25 | 12 | 25 | 100 | 15 | 24 | RD.. 12T3.. | 162,00 € |
| | ATSMR-RD12T3-D80-W32-L165-Z06-H | 6 | 80 | 12 | 32 | 165 | 30 | 31.5 | | 857,00 € |
| | ATSMR-RD1604-D34-W32-L110-Z02 | 2 | 34 | 16 | 32 | 110 | 20 | 30 | RD.. 1604.. | 168,00 € |
| | | | | | | | | | FOR ISO | |
| | | | | | | | | | INSERT. | |

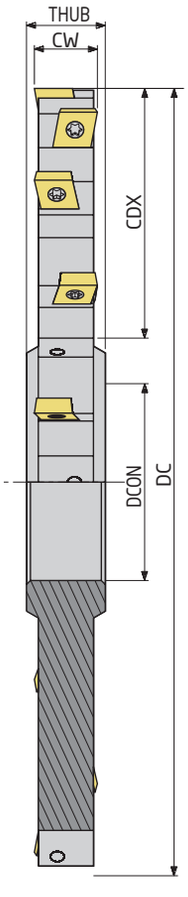
Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*
User's Guide For T Slot Milling Tools : P 147 / *Benutzerhinweise für T-Nutenfräser : S 147*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ATSM90-CC06-D17X8-W16-L85-Z02

## SLOT DISC MILLING / *SCHEIBENFRÄSER*

90°

| CODE / *TYP* | ZEFP TOPLAM | ZEFP ETKİLİ | TOOL DIMENSIONS (mm) *MAß* DC | CW | CDX | DCON | THUB | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ASDM-SPGT05-D80x6-d27-Z10 | 10 | 5 | 80 | 6 | 17 | 27 | 10 | SPGT 0502.. | 223,00 € |
| ASDM-SPGT05-D100x6-d32-Z12 | 12 | 6 | 100 | 6 | 25 | 32 | 10 | FOR ZCC | 261,00 € |
| ASDM-SPGT05-D125x6-d40-Z14 | 14 | 7 | 125 | 6 | 35 | 40 | 10 | INSERT. | 394,00 € |
| ASDM-SPGT05-D160x6-d40-Z18 | 18 | 9 | 160 | 6 | 52 | 40 | 10 | | 523,00 € |
| ASDM-SPGT06-D80x7-d27-Z10 | 10 | 5 | 80 | 7 | 17 | 27 | 11 | | 223,00 € |
| ASDM-SPGT06-D100x7-d32-Z12 | 12 | 6 | 100 | 7 | 25 | 32 | 11 | SPGT 0602.. | 261,00 € |
| ASDM-SPGT06-D125x7-d40-Z14 | 14 | 7 | 125 | 7 | 35 | 40 | 11 | FOR ZCC | 394,00 € |
| ASDM-SPGT06-D160x7-d40-Z16 | 16 | 8 | 160 | 7 | 52 | 40 | 11 | INSERT. | 523,00 € |
| ASDM-SPGT06-D200x7-d40-Z18 | 18 | 9 | 200 | 7 | 70 | 40 | 11 | | 654,00 € |
| NEW ASDM-SPGT07-D100x10-d27-Z10 | 10 | 5 | 100 | 10 | 26.5 | 27 | 17 | SPGT 07T308 | 261,00 € |
| ASDM-SPGT07-D100x10-d32-Z12 | 12 | 6 | 100 | 10 | 25 | 32 | 11 | FOR ZCC INSERT. | 261,00 € |




90°

| CODE / *TYP* | TOPLAM | ETKİLİ | DC | CW | CDX | DCON | THUB | CUTTING INSERT *WENDE PLATTE* | PRICE / *PREIS* |
|---|---|---|---|---|---|---|---|---|---|
| ASDM-CC06-D80x8-d27-Z10 | 10 | 5 | 80 | 8 | 17 | 27 | 12 | | 223,00 € |
| ASDM-CC06-D100x8-d32-Z12 | 12 | 6 | 100 | 8 | 25 | 32 | 12 | | 261,00 € |
| ASDM-CC06-D125x8-d40-Z14 | 14 | 7 | 125 | 8 | 35 | 40 | 12 | | 394,00 € |
| ASDM-CC06-D160x8-d40-Z16 | 16 | 8 | 160 | 8 | 52 | 40 | 12 | | 523,00 € |
| ASDM-CC06-D200x8-d40-Z18 | 18 | 9 | 200 | 8 | 70 | 40 | 12 | CC.. 0602.. | 654,00 € |
| ASDM-CC06-D80x10-d27-Z10 | 10 | 5 | 80 | 10 | 17 | 27 | 14 | FOR ISO | 223,00 € |
| ASDM-CC06-D100x10-d32-Z12 | 12 | 6 | 100 | 10 | 25 | 32 | 14 | INSERT. | 261,00 € |
| ASDM-CC06-D125x10-d40-Z14 | 14 | 7 | 125 | 10 | 35 | 40 | 14 | | 394,00 € |
| ASDM-CC06-D160x10-d40-Z16 | 16 | 8 | 160 | 10 | 52 | 40 | 14 | | 523,00 € |
| ASDM-CC06-D200x10-d40-Z18 | 18 | 9 | 200 | 10 | 70 | 40 | 14 | | 654,00 € |
| ASDM-CC09-D80x12-d27-Z08 | 8 | 4 | 80 | 12 | 17 | 27 | 16 | | 223,00 € |
| ASDM-CC09-D100x12-d32-Z10 | 10 | 5 | 100 | 12 | 25 | 32 | 16 | | 261,00 € |
| ASDM-CC09-D125x12-d40-Z12 | 12 | 6 | 125 | 12 | 35 | 40 | 16 | | 394,00 € |
| ASDM-CC09-D160x12-d40-Z14 | 14 | 7 | 160 | 12 | 52 | 40 | 16 | | 523,00 € |
| ASDM-CC09-D200x12-d40-Z16 | 16 | 8 | 200 | 12 | 70 | 40 | 16 | | 654,00 € |
| ASDM-CC09-D80x14-d27-Z08 | 8 | 4 | 80 | 14 | 17 | 27 | 18 | CC.. 09T3.. | 223,00 € |
| ASDM-CC09-D100x14-d32-Z10 | 10 | 5 | 100 | 14 | 25 | 32 | 18 | FOR ISO | 261,00 € |
| ASDM-CC09-D125x14-d40-Z12 | 12 | 6 | 125 | 14 | 35 | 40 | 18 | INSERT. | 394,00 € |
| ASDM-CC09-D160x14-d40-Z14 | 14 | 7 | 160 | 14 | 52 | 40 | 18 | | 523,00 € |
| ASDM-CC09-D200x14-d40-Z16 | 16 | 8 | 200 | 14 | 70 | 40 | 18 | | 654,00 € |
| ASDM-CC12-D80x16-d27-Z06 | 6 | 3 | 80 | 16 | 17 | 27 | 20 | | 223,00 € |
| ASDM-CC12-D100x16-d32-Z08 | 8 | 4 | 100 | 16 | 25 | 32 | 20 | | 261,00 € |
| ASDM-CC12-D125x16-d40-Z10 | 10 | 5 | 125 | 16 | 35 | 40 | 20 | | 394,00 € |
| ASDM-CC12-D160x16-d40-Z12 | 12 | 6 | 160 | 16 | 52 | 40 | 20 | | 523,00 € |
| ASDM-CC12-D200x16-d40-Z14 | 14 | 7 | 200 | 16 | 70 | 40 | 20 | | 654,00 € |
| ASDM-CC12-D80x18-d27-Z06 | 6 | 3 | 80 | 18 | 17 | 27 | 22 | | 223,00 € |
| ASDM-CC12-D100x18-d32-Z08 | 8 | 4 | 100 | 18 | 25 | 32 | 22 | | 261,00 € |
| ASDM-CC12-D125x18-d40-Z10 | 10 | 5 | 125 | 18 | 35 | 40 | 22 | | 394,00 € |
| ASDM-CC12-D160x18-d40-Z12 | 12 | 6 | 160 | 18 | 52 | 40 | 22 | | 523,00 € |
| ASDM-CC12-D200x18-d40-Z14 | 14 | 7 | 200 | 18 | 70 | 40 | 22 | CC.. 1204.. | 654,00 € |
| ASDM-CC12-D250x18-d40-Z16 | 16 | 8 | 250 | 18 | 90 | 40 | 22 | FOR ISO INSERT. | 915,00 € |
| ASDM-CC12-D80x20-d27-Z06 | 6 | 3 | 80 | 20 | 17 | 27 | 24 | | 223,00 € |
| ASDM-CC12-D100x20-d32-Z08 | 8 | 4 | 100 | 20 | 25 | 32 | 24 | | 261,00 € |
| ASDM-CC12-D125x20-d40-Z10 | 10 | 5 | 125 | 20 | 35 | 40 | 24 | | 394,00 € |
| ASDM-CC12-D160x20-d40-Z12 | 12 | 6 | 160 | 20 | 52 | 40 | 24 | | 523,00 € |
| ASDM-CC12-D200x20-d40-Z14 | 14 | 7 | 200 | 20 | 70 | 40 | 24 | | 654,00 € |
| ASDM-CC12-D250x20-d40-Z16 | 16 | 8 | 250 | 20 | 90 | 40 | 24 | | 915,00 € |

Cutting Calculation : P 166 / *Schnittdatenberechnung : S 166*

Ordering Example/*Beispiel Bestellformular:* 1pcs. ASDM-SPGT05-D80x6-d27-Z10

## User's Guide For AKKO U-Drills

Before connecting your U-Drill to CNC lathe, you have to check if the turret is eccentric from the center or not. If there is any eccentricity in your turret, never use your U-Drill;

Processes that should be done to fix the turret :

1. A cylindirical part whose surface is precision and whose length and diameter is the same with the U-Drill that you will use, should be mounted to the holder of turret and X value of the lathe should be brought to zero ( 0 ).

2. Comparator should be mounted to chuck. The end of the comparator should be contacted ( touched ) to the surface of the part that we mounted on the turret.

3. The comparator that we mounted on the chuck should be turned 360-degree with the chuck and turret should be zeroed by that turning according to changing rate of comparator.

**Cutting Speed and Revolution That are Needed For Using ( Running ) Your U-DRILLS More Productively**

| Grup No. | Material | Material Type | Cutting Speed Vc ( m/m) |
|---|---|---|---|
| 1 | Non-alloy steel and free cutting steel | C1010. Automat etc. | 220 |
| 2 | Low alloy steel and cast steel | C1030 - 106 etc. | 200 |
| 3 | Alloy steel and tool steel | CK-45, 4140, 7131 etc. | 170 |
| 4 | Hot Work Steel and Stainless Steel | Impax etc. | 150 |

P.S. : The cutting speed may be concerned with the type of the insert that you use.

Fistly, choose the material to make calculation of revolution. You should multiply the cutting speed (Vc) of the material that you chose by 1000 and divide by 3.14. You should divide the value that you found by the diameter of U-Drill. For Example : If our material is alloy steel and tool steel ( 3rd group ), diameter of the U-Drill is 25 mm, cutting speed is 170, we should calculate as following; 170x1000=170000/3.14=54140, 54140/25=2166 rpm is the result that we found ( Spindle Speed ) Feed rate of the lathe is concerned with the U-Drill that you will use and changes between 0.05 and 0.10. The user sets it according to cut of cutting insert.

**Feed Calculation For Central Machine :**

2166 spindle speed, that we found as a result of above mentioned calculation, should be mutiplied by cutting insert feed ( mm/r ) between 0.05 and 0.10 feed choisses. Example 1 : 2166x0.05=108

Example 2 : 2116x0.10=217 The results 108 and 217 are the feed mm/m calculation for central machine.

Note: Cooling water pressure of lathe must be minimum 6 bar for our D4 u-drills and u-dirlls longer than D4.

## Calculating Spindle Speed and Feed Rate For Milling Process

| Vc. | S | D | F | Z | fz | FORMULAS |
|---|---|---|---|---|---|---|
| Cutting Speed (Please read from the back-side of cutting insert box) | Spindle Revolution rpm | Milling Tool Diameter | Feed Rate | Number of Effective Tooth | Feed Per Tooth (Please Read From The Back Side of Cutting Insert Box) | Calculation of Revolution : S=(Vc x 1000) / (3,14 x D) Feed Rate Calculation : F=S x Z x fz |

For Example : We will make milling with milling tool whose diamention is D 50 mm, whose theeth number is Z=5. The spindle revolution was written as Vc=200m/mn at the back side of cutting insert box. Let's calculate the revolution that should be entered to the milling machine : Vc=200 m/mn D=50 mm

S = Firstly Cutting Speed is multiplied with 1000, the result should be divided by 3.14 , the last result should be divided by diameter of milling tool.

S = 200 x1000 = 200000 → 200000/3,14 = 63663 → 63663/50 = 1273 rev S=1273 rev / mn

After finding spindle revolution, let's find feed rate : milling tool with Z=5 teeth and we read fz=0,12 from the back side of cutting insert box.

F = Tooth number should be multiplied with revolution, the result should be multiplied with feed per tooth.

F = 1273 x 5 = 6365 → 6365 x 0,12 = 763 F = 763 mm / mn

Revolution that should be entered to the milling machine = S 1273 Feed Rate that should be entered to the milling machine = F 763 average value.

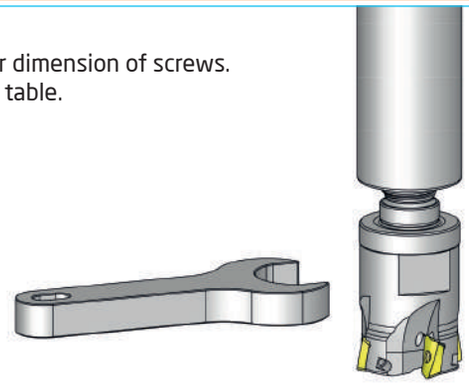
P.S : The values Vc and fz has to be written at the back side of the cutting insert. If these values were not written on the cutting insert box, please find them from cutting insert catalogue. If the material that you will work is steel, please read Vc and fz values that were written on the part P, if it is stainless steel please read from the part M, if it is cast iron please read from the part K.

## TECHNICAL INFORMATION

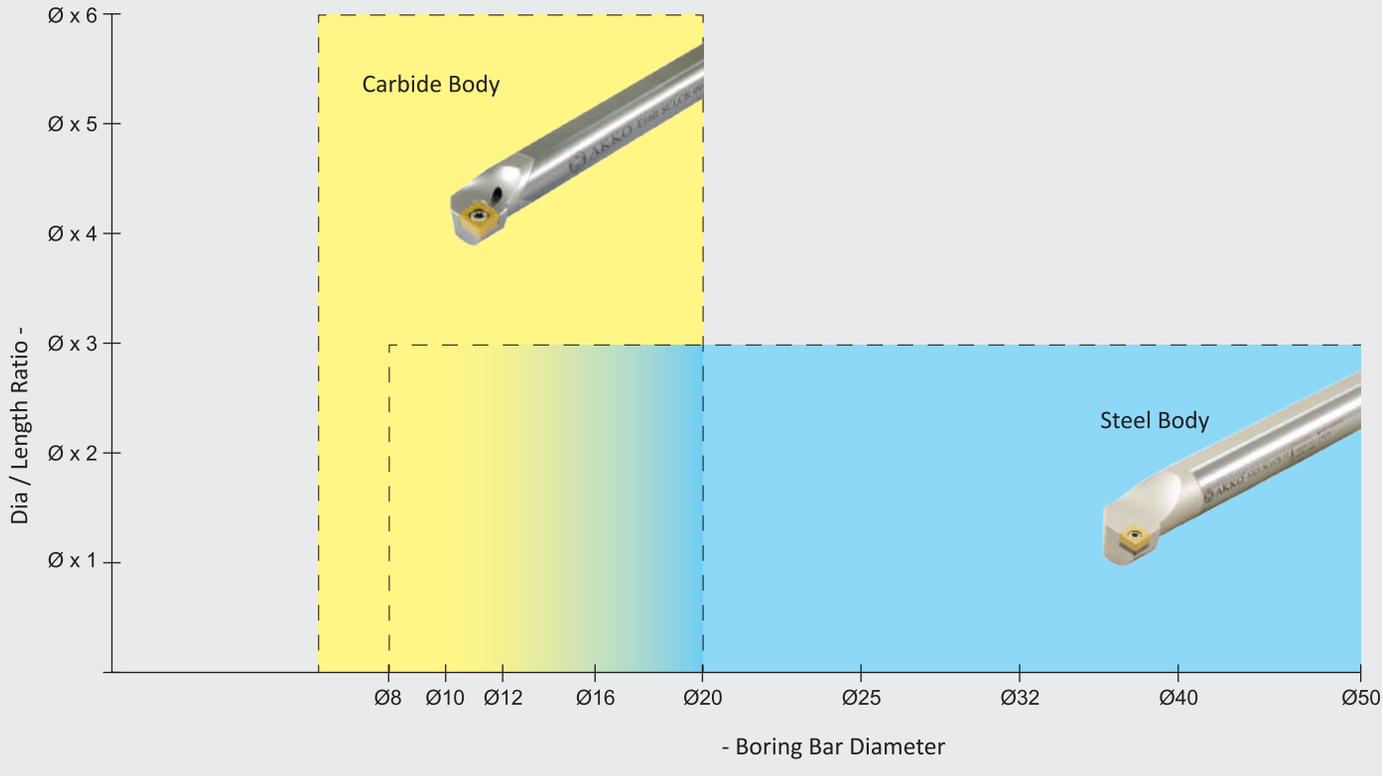
### Recommended Tightening Torque

- Read below information before tighting the tool.
  Check screw set's the screw size and together with mounting arbor inner dimension of screws.
- When tighting head to an arbor, follow the related tighting torque in the table.

| *Screw* | *Torque (N.m)* |
|---|---|
| M6 | 8 |
| M8 | 23 |
| M10 | 46 |
| M12 | 80 |
| M16 | 90 |



### Internal Boring Bars Application Guide, Related to Body Material



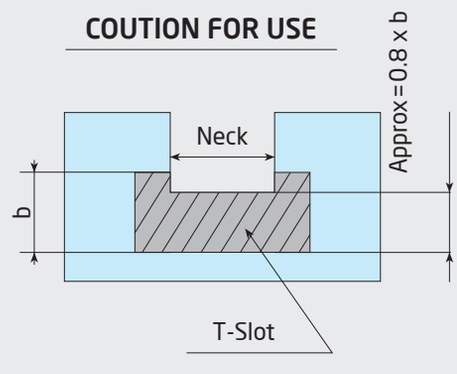

### Application Guide For T-Slot Milling

*When T slot machining steel, the workpiece must be machined as shown in the drawing to ensure smooth chip evacuation.*

*Example: Before slotting with the T - slot milling cutter - code ATSM90-CC06-D32X10-W25-L100-Z04,*
*The area of the neck of the tools to be worked and must be machined by End-Mill.*
*In this case, it is very wrong to machining the slot completely.*
*Bottom area (0.8 x b = 0.8 x 10) should be left 8 mm without machining.*
*This area's operation must be machined by the T- slot milling cutter which is also necessary for the healthier work of the tool holder.*

*Slots to be machined must be free from chips for smooth machining.*

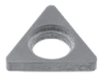
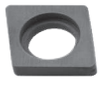
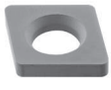
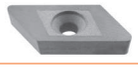
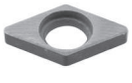
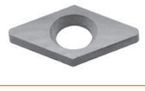
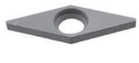
**COUTION FOR USE**



AKKO®

## SPARE PARTS / *ERSATZTEILE*

### SHIMS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
|  | **AATN-2-0001** | S-SYSTEM | TCMT 16 SHIM | 6,50 € |
| | **AATN-2-0002** | T-M SYSTEM | TNMG 16 SHIM | 6,50 € |
| | | C-SYSTEM | TNGN 16 SHIM | |
| | **AATN-3-0025** | P-SYSTEM | TNMG 16 SHIM | 6,50 € |
| | **AATN-3-0015** | T-M-P SYSTEM | TNMG 22 SHIM | 6,80 € |
| | **AATN-2-0020** | For THREADING 16 SHIM | | 6,80 € |
| | **AATN-2-0004** | For THREADING 22 SHIM | | 8,50 € |
| | **ATS-16E** | For THREADING 16, EXTERNAL RIGHT - INTERNAL LEFT SHIM | | 9,60 € |
| | **ATS-16I** | For THREADING 16, EXTERNAL LEFT - INTERNAL RIGHT SHIM | | 9,60 € |
| | **ATS-22E** | For THREADING 22, EXTERNAL RIGHT - INTERNAL LEFT SHIM | | 13,10 € |
| | **ATS-22I** | For THREADING 22, EXTERNAL LEFT - INTERNAL RIGHT SHIM | | 13,10 € |
| | **ATS-27E** | For THREADING 27, EXTERNAL RIGHT - INTERNAL LEFT SHIM | | 24,40 € |
| | **ATS-27I** | For THREADING 27, EXTERNAL LEFT - INTERNAL RIGHT SHIM | | 24,40 € |
|  | **AACN-2-0001** | S-SYSTEM | CCMT 09 SHIM | 6,50 € |
| | | T-SYSTEM | CNMG 09 SHIM | |
| | **AACN-2-0002** | P-SYSTEM | CNMG 09 SHIM | 6,50 € |
| | **AACN-2-0003** | S-SYSTEM | CCMT 12 SHIM | 6,80 € |
| | **AACN-3-0001** | T-M-P SYSTEM | CNMG 12 SHIM | 6,80 € |
| | | C-SYSTEM | CNGN 12 SHIM | |
|  | **AACN-3-0002** | T-P SYSTEM | CNMG 16 SHIM | 9,30 € |
| | **AACN-3-0003** | T-P SYSTEM | CNMG 19 SHIM | 15,30 € |
| | **AACN-3-0008** | T-P SYSTEM | CNMG 25 SHIM | 24,40 € |
| | **AAWN-2-0003** | T-M-P SYSTEM | WNMG 08 KALIN ALTLIK | 9,30 € |
| | **AAWN-3-0001** | T-M-P SYSTEM | WNMG 08 SHIM | 6,80 € |
| | **AAWN-SW317** | T-M-P SYSTEM | WNMG 06 SHIM | 6,50 € |
|  | **AKS-16L** | C-SYSTEM | KNUX-L 16 SHIM | 6,80 € |
| | **AKS-16R** | C-SYSTEM | KNUX-R 16 SHIM | 6,80 € |
| | **AASD-3-0001** | S-SYSTEM MIILING | SDMT 12 SHIM | 9,30 € |
| | **AASE-3-0001** | S-SYSTEM MIILING | SEMT 13 SHIM | 9,30 € |
| | **AASN-2-0001** | S-SYSTEM | SCMT 09 SHIM | 6,50 € |
| | **AASN-2-0002** | P-SYSTEM | SNMG 09 SHIM | 6,50 € |
| | **AASN-2-0004** | S-SYSTEM | SCMT 12 SHIM | 6,80 € |
| | **AASN-3-0004** | T-P SYSTEM | SNMG 12 SHIM | 6,80 € |
| | | C-SYSTEM | SNGN 12 SHIM | |
| | **AASN-3-0023** | T-P SYSTEM | SNMG 15 SHIM | 9,30 € |
| | **AASN-3-0005** | T-P SYSTEM | SNMG 19 SHIM | 15,30 € |
| | **AASN-3-0020** | T-P SYSTEM | SNMG 25 SHIM | 24,40 € |
| | **AASN-20020** | PSDNN | SNMG 12 SHIM | 12,30 € |
|  | **AADN-2-0001** | S-SYSTEM | DCMT 11 SHIM | 6,50 € |
| | | T-SYSTEM | DNMG 11 SHIM | |
| | **AADN-SD317** | P-SYSTEM | DNMG 11 SHIM | 6,50 € |
|  | **AADN-3-0001** | T-M-P SYSTEM | DNMG 15 SHIM | 6,80 € |
| | | C-SYSTEM | DNGN 15 SHIM | |
| | **AADN-2-0003** | T-SYSTEM | DNMG 15 THICK SHIM | 9,30 € |
|  | **AAVN-2-0002** | S-SYSTEM | VCMT 22, VCMT 22 SHIM | 6,80 € |
| | | T-SYSTEM | VNMG 16 SHIM | |
| | **AAVN-2-0003** | S-SYSTEM | VCMT 22, VCMT 22 SHIM | 9,30 € |
| | **AARC-3-0001** | for C-SYSTEM | RCGX 06 SHIM | 15,80 € |
| | **AARC-3-0002** | for C-SYSTEM | RCGX 09 SHIM | 15,80 € |
| | **AARC-3-0003** | for C-SYSTEM | RCGX 12 SHIM | 15,80 € |
| | **AARC-3-0005** | for C-SYSTEM | RCGX 06 SHIM | 35,10 € |
| | **AARC-3-0006** | for C-SYSTEM | RCGX 09 SHIM | 35,10 € |
| | **AARC-3-0007** | for C-SYSTEM | RCGX 12 SHIM | 35,10 € |

## SPARE PARTS / *ERSATZTEILE*

### CLAMPS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **ATK-01** | for T-SYSTEM | DNMG 11, WNMG 06, TNMG 16, CNMG 09 CLAMP | 8,00 € |
| | **ATK-02** | for T-SYSTEM | CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12 CLAMP | 8,00 € |
| | **ATK-03** | for T-SYSTEM | VNMG 16 CLAMP | 8,00 € |
| | **ATK-04** | for T-SYSTEM | CNMG 16, SNMG 15 CLAMP | 8,00 € |
| | **ATKH-01-R** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-02-L** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-03-R** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-04-L** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-05-R** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-06-L** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-07-R** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-08-L** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-09-R** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **ATKH-10-L** | for T-SYSTEM | WITH COOLANT TOOLS CLAMP | 52,40 € |
| | **AMK-01** | for M-SYSTEM | WNMG 06 CLAMP | 8,00 € |
| | **AMK-02** | for M-SYSTEM | INTERNAL Ø20 TNMG 16 Ø25 MT-NR/L 16 CLAMP | 8,00 € |
| | **AMK-03** | for M-SYSTEM | DNMG 11, CNMG 12 CLAMP | 8,00 € |
| | **AMK-04** | for M-SYSTEM | DNMG 15, TNMG 16-22 CLAMP | 8,00 € |
| | **AMK-05** | for M-SYSTEM | WNMG 08 CLAMP | 8,00 € |
| | **AMK-07** | for M-SYSTEM | S20R MCLNR/L CLAMP | 8,00 € |
| | **AMK-08** | for M-SYSTEM | TNMG 16-22 CLAMP | 8,00 € |
| | **ACK-01-R** | for C-SYSTEM | KNUX-R CLAMP | 8,00 € |
| | **ACK-02-L** | for C-SYSTEM | KNUX-L CLAMP | 8,00 € |

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## SPARE PARTS / *ERSATZTEILE*

### CLAMPS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **ACK-03** | for C-SYSTEM | 154.91 EXTERNAL and INTERNAL Ø25-Ø32 CLAMP | 8,00 € |
| | **ACK-04** | for P-C SYSTEM | CTFPR CARTRIDGE CLAMP | 8,00 € |
| | **ACK-05** | for C-SYSTEM | ADDITIONAL LITTLE CLAMP for MILLING and THREADING TOOLS | 8,00 € |
| | **ACK-06** | for C-SYSTEM | 154.91 INTERNAL Ø16-Ø20 CLAMP | 8,00 € |
| | **ACK-07** | for C-SYSTEM | SPARE PART SET of CNGN, SNGN, DNGN (CLAMP+CLAMP SCREW+RING) | 21,30 € |
| | **ACK-08** | for C-SYSTEM | SPARE PART SET of TNGN, (CLAMP+CLAMP SCREW+RING) | 21,30 € |
| | **ACK-09** | for P-SYSTEM | ADDITIONAL BIG CLAMP for CNMG 16-19, SNMG 15-19 | 8,00 € |
| | **ACK-10** | for C-SYSTEM MILLING | SPKN 12 ve Ø50-Ø63 TPKN 16 CLAMP (M8x8) | 8,00 € |
| | **ACK-11** | for C-SYSTEM MILLING | Ø80-Ø100 TPKN 16-TPKN 22, OFKR 07, HNMX 09 CLAMP (M8x10) | 8,00 € |
| | **ACK-12** | for C-SYSTEM | CTSPR CATRIDGE CLAMP | 8,00 € |
| | **ACK-15** | for S-SYSTEM MILLING | RD.. 10-12 CLAMP | 8,00 € |
| | **ACK-19** | for S-SYSTEM MILLING | WD0805D CLAMP | 8,00 € |
| | **ACK-21** | for C-SYSTEM | SN.. 1204.. CLAMP | 13,10 € |
| | **ACK-23** | for C-SYSTEM | SPARE PART SET DNGN 11 (CLAMP+CLAMP SCREW+RING) | 14,50 € |
| | **ACK-24** | for S-SYSTEM MILLING | XD0806D CLAMP | 8,00 € |
| | **ACK-26** | for C-SYSTEM MILLING | XNMU 0806..CLAMP | 8,00 € |
| | **ACK-27** | for C-SYSTEM | RCGX 06 CLAMP | 15,80 € |
| | **ACK-28** | for C-SYSTEM | RCGX 09 CLAMP | 15,80 € |
| | **ACK-29** | for C-SYSTEM | RCGX 12 CLAMP | 15,80 € |
| | **ACK-42** | for C-SYSTEM | RCGX 06 CLAMP | 17,30 € |
| | **ACK-43** | for C-SYSTEM | RCGX 09 CLAMP | 17,30 € |
| | **ACK-44** | for C-SYSTEM | RCGX 12 CLAMP | 17,30 € |
| | **AKK-04** | For GROOVING TOOLHOLDERS | ADKT-H22 - S312 - (0.5-2) CLAMP | 15,80 € |

## CLAMP SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **AKV-01-M5X22** | for T-SYSTEM | DNMG 11, WNMG 06, TNMG 16<br>CLAMP SCREWS (M5X20) | 2,20 € |
| | **AKV-02-M6X22** | for T-SYSTEM | CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12-15 VNMG 16<br>CLAMP SCREWS (M6X20) | 2,20 € |
| | | for M-SYSTEM | TNMG 16-22, DNMG 15<br>CLAMP SCREWS (M6X20) | |
| | **AKV-03-M6X22** | for M-SYSTEM | WNMG 08<br>CLAMP SCREWS (M6X20) | 2,20 € |
| | **AKV-04-M5X17** | for M-SYSTEM | S20R MT-NR/L 16, S20R-S25S MWLNR/L 06, S25S MDUNR/L 11-EXTERNAL MWLNR 06 (M5X20) | 2,20 € |
| | **AKV-05-M6X25** | for T-SYSTEM | CNMG 16<br>OLD CLAMP SCREWS (M6X25) | 2,20 € |
| | **AKV-06-M6X20** | for C-SYSTEM | KNUX 16<br>CLAMP SCREWS (M6X20) | 2,70 € |
| | **AKV-07-M6X22** | for C-SYSTEM | ADKT-154.91, AIKT-154.91-R/L-32<br>CLAMP SCREWS (M6X20) | 2,20 € |
| | **AKV-10-M6X14** | for C-SYSTEM | AIKT-154.91-R/L-16, AIKT-154.91-R/L-20, AIKT-154.91-R/L-25 CLAMP SCREWS (M6X15) | 2,20 € |
| | **AKV-11-M8X29** | for C-SYSTEM | TNGN, CNGN, DNGN, SNGN<br>CLAMP SCREWS (M8X33) | 2,70 € |
| | **AAV-05-M6X15** | for P-SYSTEM | CNMG 16-19, SNMG 15-19 EXTRA BIG CLAMP SCREWS (M6X15) | 2,20 € |
| | **AKV-12-M5X12** | for C-SYSTEM | CTSPR<br>CLAMP SCREWS (M5X9) | 2,20 € |
| | **AKV-13-M8X1X16** | for C-SYSTEM MILLING | SPKN 12 ve Ø63 TPKN 16<br>CLAMP SCREWS (M8X1X16) | 2,70 € |
| | **AKV-14-M8X1X18** | for C-SYSTEM MILLING | Ø80-Ø100 TPKN 16 ve Ø63-Ø315 TPKN 22<br>CLAMP SCREWS (M8X1X18) | 2,70 € |
| | **AKV-15-M8X1X20** | for C-SYSTEM MILLING | OFKR 07, HNMX 09<br>SCREWS (M8X1X20) | 2,70 € |
| | **AKV-16-M6X16** | for C-SYSTEM | CTFPR 13CS 16<br>CLAMP SCREWS (M6X16) | 2,70 € |
| | **AKV-17-M5X15** | for M-SYSTEM | S16P MWLNR/L<br>CLAMP SCREWS (M5X18) | 2,20 € |
| | **AKV-18-M5X14** | for C-SYSTEM MILLING | SN19<br>CLAMP SCREWS (M5X0.8) | 2,20 € |
| | **AKV-19-M7X25** | for T-SYSTEM | CNMG 16<br>CLAMP SCREWS (M7X25) | 2,70 € |
| | **AKV-20-M6X19** | for M-SYSTEM | S25S MDUNR/L 15<br>CLAMP SCREWS (M6X19) | 2,20 € |
| | **AKV-21-M6X18** | for C-SYSTEM | AIKT-154.91-R/L-25<br>CLAMP SCREWS (M6X18) | 2,20 € |
| | **AKV-22-M8X1X14** | for C-SYSTEM MILLING | Ø50 TPKN 16<br>CLAMP SCREWS (M8X1X14) | 2,70 € |
| | **AKV-24-M6X1X18** | for C-SYSTEM MILLING | SN.. 1204 CLAMP SCREWS | 2,70 € |

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## SPARE PARTS / *ERSATZTEILE*

### CLAMP SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | AKV-26-M6X0.75X20 | for C-SYSTEM MILLING | XNMU 0806.. CLAMP SCREWS | 2,70 € |
| | AKV-27-M6X20 | for M-SYSTEM | S25S MWLNR/L 08 CLAMP SCREW | 2,20 € |
| | AKV-28-M10x1.5x43 | WNMU 0907.. Ø50 MOUNTING SCREW | Ø50 WNMU 0907.. CLAMP SCREW | 18,40 € |
| | AKV-29-M6X29 | ADKT-H22.. SCREW | ADKT-H22.. SCREW | 4,00 € |
| | AKV-30-M6X22 | for T-SYSTEM | WITH COOLANT TOOLS CLAMP SCREW | 2,20 € |
| | AKV-33-M6X22 | for T-SYSTEM | WITH COOLANT TOOLS CLAMP SCREW | 2,20 € |
| | AKV-39-M7x21 | for T-SYSTEM | WITH COOLANT TOOLS CLAMP SCREW | 2,70 € |

### COOLANT NOZZLE

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | AN-01 | COOLANT NOZZLE | 34,60 € |

### SHIM SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | AAV-01-M3X10 | for T-SYSTEM | WNMG 06, KNUX 16 SHIM SCREWS | 1,40 € |
| | AAV-02-M5X12 | for T-SYSTEM | CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12 | 1,40 € |
| | | for C-SYSTEM | CNGN 12, SNGN 12, DNGN 15 SHIM SCREWS | |
| | AAV-03-M5X12 | for T-SYSTEM | TNMG 16 SHIM SCREWS | 1,40 € |
| | | for C-SYSTEM | TNGN 16 SHIM SCREWS | |
| | AAV-04-M5X12 | for T-SYSTEM | VNMG 16, DNMG 11, CNMG 09 SHIM SCREWS | 1,40 € |
| | AAV-05-M6x10 | for T-SYSTEM | SNM. 1506.. SHIM SCREWS (M6X10) | 2,20 € |
| | AAV-05-M6X15 | for T-SYSTEM | CNMG 16 SHIM SCREWS | 2,20 € |
| | AAV-06-M3.5X11 | for S-SYSTEM | CCMT 09, DCMT 11, VBMT 16, VCMT 16<br>TCMT 16, DİŞ VİDA 16 SHIM SCREWS<br>(M3.5 BUKSE SCREWS) | 4,00 € |
| | AAV-07-M4.5X13 | for S-SYSTEM | CCMT 12, SCMT 12, DİŞ VİDA 22<br>SHIM SCREWS (M4.5 BUKSE SCREWS) | 4,00 € |
| | AAV-08-M3.5X8 | for S-SYSTEM | (M3.5x8 SMALL BUKSE SCREWS) | 4,00 € |
| | AAV-09-M5X9 | for T-SYSTEM | S25S TCLNR/L 09, S25S TDUNR/L 11, S25S TDQNR/L 11 SHIM SCREW | 1,40 € |
| | AAV-10-M4.5X8 | for S-SYSTEM | (M4.5x8 SMALL BUKSE SCREWS) | 4,00 € |
| | AAV-11-U5-40X4.5 | for S-SYSTEM | For THREADING TOOLHOLDERS 16 ER/L, 16 IR/L SHIM SCREW | 2,70 € |
| | AAV-12-U8-32X5.5 | for S-SYSTEM | For THREADING TOOLHOLDERS 22 ER/L, 22 IR/L SHIM SCREW | 2,70 € |
| | AAV-13-M5X8 | for T-SYSTEM | S25S TSKNR/L 12, S25S TCLNR/L 12, S25S TWLNR/L 08 SHIM SCREW | 1,40 € |
| | AAV-14-M5X14 | for ADCR | ADCR MOUNTING SCREW | 1,40 € |
| | AAV-15-M5X5.7 | for S-SYSTEM | For THREADING TOOLHOLDERS 27 ER/L, 27 IR/L SHIM SCREW | 2,70 € |
| | AAV-16-M3.5X8 | for S-SYSTEM | SEMT 13 SHIM SCREWS | 4,00 € |

## SPARE PARTS / *ERSATZTEILE*

### PINS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **APM-01** | for M-SYSTEM | DELİK İÇİ Ø25-Ø32-Ø40 ve DIŞ ÇAP TNMG 16 PINS | 2,70 € |
| | **APM-02** | for M-SYSTEM | TNMG 22, WNMG 08 PINS | 2,70 € |
| | **APM-03** | for M-SYSTEM | S20R MTFNR/L 16, S20R MT-NR/L 16, S20R MTUNR/L 16, S20R MTQNR/L 16 ,S20R MDUNR/L 11PINS | 2,70 € |
| | **APM-04** | for M-SYSTEM | S32T MCLNR/L 12, DNMG 15, S25S MWLNR/L 08 PINS | 2,70 € |
| | **APM-05** | for M-SYSTEM | MSYNR 11.5CS 12 for CARTRIDGE SNMG 12 PINS | 5,30 € |
| | **APM-06** | for C-SYSTEM | 154.91 PINS | 2,70 € |
| | **APM-07** | for M-SYSTEM | S20R ET-NR 16 PINS | 8,00 € |
| | **APM-08** | for M-SYSTEM | S25S MWLNR/L 06, EXTERNAL PINS | 2,70 € |
| | **APM-09** | for M-SYSTEM | S16P MWLNR/L 06 PINS | 2,70 € |
| | **APM-10** | for M-SYSTEM | S20R MWLNR/L 06 PINS | 2,70 € |
| | **APM-11** | for M-SYSTEM | S20R MTQNR/L 16 PINS | 2,70 € |
| | **APM-12** | for M-SYSTEM | S20R MCLNR/L 12, S25S MCLNR/L 12-Z PINS | 2,70 € |
| | **APM-13** | for M-SYSTEM | S25S MCLNR/L 12 PINS | 2,70 € |
| | **APM-14** | for M-SYSTEM | S25S MTFNR/L 16, S25S MT-NR/L 16, S25S MTUNR/L 16, S25S MTQNR/L 16 PINS | 2,70 € |
| | **APM-15** | for M-SYSTEM | MSYNR 16CS 12 for CARTRIDGE SNMG 12 PINS | 5,30 € |

### RING

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **ACS-01** | for C SYSTEM | TNGN, CNGN, DNGN, SNGN RING | 1,40 € |
| | **AS-01** | for T-M- SYSTEM | AKV-30-M6x22 RING | 1,40 € |
| | **AS-02** | for T SYSTEM | AKV-19-M7x25 RING | 1,40 € |

### ORING

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **AOR-01** | for P-SYSTEM | ORING | 1,40 € |
| | **AXR-01** | for T-P SYSTEM | ORING | 1,40 € |

### STAMP

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **ABPL-01** | for T-SYSTEM | DNMG 11-15, WNMG 06-08, TNMG 16-22, VNMG 16, CNMG 12, SNMG 12 STAMP | 0,40 € |
| | | for M-SYSTEM | DELİK İÇİ Ø25-Ø32-Ø40 ve DIŞ ÇAP TNMG 16-22, DNMG 15, WNMG 08 STAMP | |
| | | for C-SYSTEM | KNUX 16 STAMP | |
| | **ABPL-02** | for T-SYSTEM | CNMG 16 STAMP | 0,40 € |
| | **ABPL-03** | for TER/L - TIR/L | TER - TIR 16 ER/EL - IR/IL SHIM SCREW STAMP | 0,40 € |
| | **ABPL-04** | for TER/L - TIR/L | TER - TIR 22 ER/EL - IR/IL SHIM SCREW STAMP | 0,40 € |
| | **ABPL-05** | for TER/L - TIR/L | TER - TIR 27 ER/EL - IR/IL SHIM SCREW STAMP | 0,40 € |

## SPARE PARTS / *ERSATZTEILE*

### CLAMP SPRING

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **AKY-01** | For T-SYSTEM | CNMG 12, WNMG 08, TNMG 22, DNMG 15, SNMG 12, VNMG 16 CLAMP SPRING | 1,40 € |
| | **AKY-02** | For C-SYSTEM | KNUX 16 CLAMP SPRING | 1,40 € |

### LEVERS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **APL-01** | For P-SYSTEM | CNMG 09, DNMG 11, SNMG 09, TNMG 16, WNMG 06 LEVER | 9,30 € |
| | **APL-02** | For P-SYSTEM | CNMG 12, SNMG 12, TNMG 22, WNMG 08 LEVER | 9,30 € |
| | **APL-03** | For P-SYSTEM | DNMG 15 LEVER | 9,30 € |
| | **APL-04** | For P-SYSTEM | CNMG 16, SNMG 15 LEVER | 9,30 € |
| | **APL-05** | For P-SYSTEM | CNMG 19, SNMG 19 LEVER | 15,80 € |
| | **APL-06** | For P-SYSTEM | CNMG 25, SNMG 25 LEVER | 23,60 € |
| | **APL-07** | For P-SYSTEM | S16P PCLNR/L 09, S16P PTUNR/L 16 LEVER | 9,30 € |
| | **APL-08** | For P-SYSTEM | S16P PTUNR/L 16 LEVER | 9,30 € |
| | NEW **APL-11** | For P-SYSTEM | TNMG 11 LEVER | 9,30 € |

### LEVER SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **ALV-01-M6X14** | For P-SYSTEM | INTERNAL Ø20 DNMG 11 Ø20 TNMG 16 LEVER SCREW (M6X14) | 3,20 € |
| | **ALV-02-M6X17** | For P-SYSTEM | DNMG 11, TNMG 16, WNMG 06 LEVER SCREW (M6X17) | 3,20 € |
| | **ALV-03-M8X19** | For P-SYSTEM | CNMG 12, SNMG 12, TNMG 22, WNMG 08, DNMG 15 LEVER SCREW (M8X19) | 3,20 € |
| | **ALV-04-M8X22** | For P-SYSTEM | CNMG 16, SNMG 15 LEVER SCREW (M8X22) | 3,20 € |
| | **ALV-05-M10X27** | For P-SYSTEM | CNMG 19, SNMG 19 LEVER SCREW (M10X27) | 3,80 € |
| | **ALV-06-M12X36** | For P-SYSTEM | CNMG 25, SNMG 25 LEVER SCREW (M12X36) | 6,90 € |
| | **ALV-07-M6X13** | For P-SYSTEM | S16P PCLNR/L 09, S16P PCTUR/L 16 LEVER SCREW (M6X13) | 3,20 € |
| | **ALV-08-M8X16** | For P-SYSTEM | S25S PCLNR/L 12, S25S PDUNR/L 15, S25S PSKNR/L 12 LEVER SCREW | 3,20 € |
| | NEW **ALV-10-M5X10** | For P-SYSTEM | TNMG 11 | 3,20 € |

## TORX SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | 4006-M1.6X3.2 | for S-SYSTEM | TORK SCREW | 5,30 € |
| | 3006-M1.8X4 | for S-SYSTEM | TORK SCREW | 6,60 € |
| | 3006-M2x3.1 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3006-M2x3.3 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3006-M2X3.6 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3006-M2X4 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 4006-M2X5 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 3007-M2.2X5 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 4006-M2.2X5 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1008-M2.5X5 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1008-M2.5X7 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1108-M2.5x6 | for S-SYSTEM | TORK SCREW | 8,00 € |
| | 3008-M2.5X5 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3008-M2.5X6 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3008-M2.5X8 | for S-SYSTEM | TORK SCREW | 4,90 € |
| | 4008-M2.5X4.5 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4008-M2.5X4 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4008-M2.5X4.5 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4008-M2.5X6 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4008-M2.5x6.5 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4108-M2.5x6.5 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4108-M2.5x8 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1008-M3X6 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1008-M3X8 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1108-M3x6.8 | for S-SYSTEM | TORK SCREW | 8,00 € |
| | 3008-M3X6 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3008-M3X7 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3008-M3X8 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3108-M3x6 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 4008-M3X8 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4010-M3X6 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4010-M3X8 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1015-M3.5X9 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1015-M3.5X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1015-M3.5X14 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1015-M3.5X16 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1315-M3.5X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1510-M3.5X7 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1510-M3.5X9 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1615-M3.5X10 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1615-M3.5X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1615-M3.5X15 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 3010-M3.5X7 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3010-M3.5X9 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3015-M3.5X9 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 4015-M3.5X8 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M3.5X9 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M3.5X10 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M3.5X11 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M3.5X12 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M3.5X14 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1015-M4x8 | for S-SYSTEM | TORK SCREW | 4,00 € |
| | 1015-M4X9 | for S-SYSTEM | TORK SCREW | 4,00 € |
| | 1515-M4X9 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1115-M4x10 | for S-SYSTEM | TORK SCREW | 8,00 € |
| | 1015-M4X11 | for S-SYSTEM | TORK SCREW | 4,00 € |
| | 1315-M4X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1415-M4X11 | for S-SYSTEM | TORK SCREW | 1,40 € |

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## SPARE PARTS / *ERSATZTEILE*

### TORX SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | 1515-M4X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1615-M4X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 3015-M4X9 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 3015-M4X11 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 4015-M4x8 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M4X9 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M4x10 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M4X11 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4015-M4X12 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4115-M4X12 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4515-M4x8 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4515-M4X11 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4615-M4X11 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1015-M4.5X12 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1020-M4.5x14 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1020-M4.5X16 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1120-M4.5X12 | for S-SYSTEM | TORK SCREW | 4,00 € |
| | 1515-M4.5X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 4015-M4.5X11 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4020-M4.5X10 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 4020-M4.5X12 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1020-M5x7.5 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1020-M5X11 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1120-M5X13 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 1020-M5X14 | for S-SYSTEM | TORK SCREW | 1,40 € |
| | 1520-M5X11 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1615-M5x14 | for S-SYSTEM | TORK SCREW | 4,00 € |
| | 1620-M5X18 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 1620-M5X22 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 4420-M5X14 | for S-SYSTEM | TORK SCREW | 2,70 € |
| | 1020-M6X16 | for S-SYSTEM | TORK SCREW | 1,90 € |
| | 1420-M6X16 | for S-SYSTEM | TORK SCREW | 1,90 € |
| | 1520-M6X16 | for S-SYSTEM | TORK SCREW | 1,90 € |
| | 1710-U5-40X12.2 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 1720-U8-32x10 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 1720-U8-32X15 | for S-SYSTEM | TORK SCREW | 4,30 € |
| | 1707-U4-48x6 | for S-SYSTEM | TORK SCREW | 6,60 € |
| | 1707-U4-48x6.5 | for S-SYSTEM | TORK SCREW | 6,60 € |
| | 1707-U4-48X8.2 | for S-SYSTEM | TORK SCREW | 6,60 € |

## SHIM SPRING

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **AAY-01** | for P-SYSTEM | DNMG 11, TNMG 16, WNMG 06, CNMG 09, SNMG 09 SHIM SPRING | 1,90 € |
| | **AAY-02** | for P-SYSTEM | CNMG 12, SNMG 12, TNMG 22, WNMG 08, DNMG 15 SHIM SPRING | 1,90 € |
| | **AAY-03** | for P-SYSTEM | CNMG 16, SNMG 15 SHIM SPRING | 1,90 € |
| | **AAY-04** | for P-SYSTEM | CNMG 19, SNMG 19 SHIM SPRING | 1,90 € |
| | **AAY-05** | for P-SYSTEM | CNMG 25, SNMG 25 SHIM SPRING | 3,60 € |
| | **AAY-07** | for P-SYSTEM | CNMG 09, TNMG 16 SHIM SPRING | 3,60 € |

## PROFIL MILLING SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **1208-M3x7** | PROFIL MILLING SCREW-P3208 INSERT SCREW | 8,00 € |
| | **1215-M4X0.5X9** | PROFIL MILLING SCREW-P3210-ROHX 12 INSERT SCREW | 8,00 € |
| | **1220-M5X0.5X9** | PROFIL MILLING SCREW-P3212 INSERT SCREW | 8,00 € |
| | **1220-M5X0.5X12** | PROFIL MILLING SCREW-P3216-ROHX 16 INSERT SCREW | 8,00 € |
| | **1220-M5X0.5X15** | PROFIL MILLING SCREW-ROHX 20 INSERT SCREW | 8,00 € |
| | **1220-M6X0.75X20** | PROFIL MILLING SCREW-P3225 INSERT SCREW | 10,60 € |
| | **1204-M8X0.75X26** | PROFIL MILLING SCREW-P3232 INSERT SCREW | 13,10 € |
| | **1210-M3.5X9.6** | PROFIL MILLING SCREW-BNM 12 INSERT SCREW | 13,10 € |
| | **1215-M4X13.5** | PROFIL MILLING SCREW-BNM 16 INSERT SCREW | 13,10 € |

## EXCENTRIC SCREW

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **AEV-01-M6x16** | ECCENTRIC SCREW | 8,00 € |

## BLOCKS For PARTING and DEEP GROOVING BLADE CLAMPS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **ABK-01** | for BLADE BLOCK | ALBU-20-26 CLAMP | 26,20 € |
| | **ABK-02** | for BLADE BLOCK | ALBU-25-26 CLAMP | 26,20 € |
| | **ABK-03** | for BLADE BLOCK | ALBU-20-32 CLAMP | 28,90 € |
| | **ABK-04** | for BLADE BLOCK | ALBU-25-32, ALBU-32-32 CLAMP | 28,90 € |

## JET TOOLS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | | PRICE / PREIS |
|---|---|---|---|---|
| | **2704-M8x1x5** | for WITH COOLANT TOOLS | for JET TOOLS | 1,40 € |
| | **2705-G1/8x5.5** | for WITH COOLANT TOOLS | for JET TOOLS | 1,90 € |

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## SPARE PARTS / *ERSATZTEILE*

### MOUNTING and ADJUSTING SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **2406-M8x30** | A16 MOUNTING SCREW (SMALL HEAD) | 2,20 € |
| | **2506-M8x30** | A16 MOUNTING SCREW | 2,20 € |
| | **2407-M10x30** | A22 MOUNTING SCREW | 2,20 € |
| | **2408-M10x30** | A22 MOUNTING SCREW (SMALL HEAD) | 2,20 € |
| | **2508-M10x30** | A22 MOUNTING SCREW | 2,20 € |
| | **2408-M12x35** | A27 MOUNTING SCREW | 2,20 € |
| | **2510-M12x35** | A27 MOUNTING SCREW | 2,20 € |
| | **2514-M16x35** | A32 MOUNTING SCREW | 2,20 € |
| | **2504-M5x16** | CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2505-M6x16** | CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **AKV-23-M4x10** | CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2600-M4x9.5** | CARTRIDGE AXIAL ADJUST SCREW | 2,20 € |
| | **2600-M5x13** | CARTRIDGE AXIAL ADJUST SCREW | 2,20 € |
| | **2600-M6x18** | CARTRIDGE AXIAL ADJUST SCREW | 2,20 € |
| | **2702-M4X4** | CARTRIDGE AXIAL ADJUST SCREW | 1,40 € |
| | **2702-M4x10** | CARTRIDGE AXIAL ADJUST SCREW | 1,40 € |
| | **2725-M5x6** | CARTRIDGE AXIAL ADJUST SCREW | 1,40 € |
| | **2725-M5x10** | CARTRIDGE AXIAL ADJUST SCREW | 1,40 € |

### ALLEN KEYS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **AAL-01-2 mm** | ALLEN KEY | 1,40 € |
| | **AAL-02-2.5 mm** | ALLEN KEY | 1,40 € |
| | **AAL-03-3 mm** | ALLEN KEY | 1,40 € |
| | **AAL-05-4 mm** | ALLEN KEY | 1,70 € |
| | **AAL-07-5 mm** | ALLEN KEY | 2,20 € |
| | **AAL-08-6 mm** | ALLEN KEY | 3,30 € |
| | **AAL-09-1.5 mm** | ALLEN KEY | 1,40 € |
| | **AAL-11-8 mm** | ALLEN KEY | 5,30 € |
| | **AAL-12-10 mm** | ALLEN KEY | 8,00 € |

### TORX KEYS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **82-T06** | TORX KEY | 7,30 € |
| | **82-T07** | TORX KEY | 7,30 € |
| | **82-T08** | TORX KEY | 7,30 € |
| | **82-T10** | TORX KEY | 7,30 € |
| | **82-T15** | TORX KEY | 7,30 € |
| | **82-T20** | TORX KEY | 7,30 € |
| | **81-T15** | T-TYPE TORX KEY | 4,00 € |
| | **81-T20** | T-TYPE TORX KEY | 4,00 € |

### BLADE KEY

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **ALA-02** | AKL BLADE KEY | 15,80 € |

## ROUGH BORING HEADS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **ABKS-D16** | ABKS-D16 CARTRIDGE FIXING CLAMP | 8,00 € |
| | **ABKS-D20** | ABKS-D20 CARTRIDGE FIXING CLAMP | 8,00 € |
| | **ABKS-D25** | ABKS-D25 CARTRIDGE FIXING CLAMP | 8,00 € |
| | **ABKS-D32** | ABKS-D32 CARTRIDGE FIXING CLAMP | 8,00 € |
| | **ABKS-D40** | ABKS-D40 CARTRIDGE FIXING CLAMP | 8,00 € |
| | **ABKS-D50** | ABKS-D50 CARTRIDGE FIXING CLAMP | 13,10 € |
| | **ABKS-D63** | ABKS-D63 CARTRIDGE FIXING CLAMP | 13,10 € |
| | **ABKS-D80** | ABKS-D80 CARTRIDGE FIXING CLAMP | 13,10 € |
| | **2525-M3X14** | 2525-M3X14 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2503-M4X12** | 2503-M4X12 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2503-M4X15** | 2503-M4X15 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2503-M4X20** | 2503-M4X20 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2504-M5X25** | 2504-M5X25 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2505-M6X30** | 2505-M6X30 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2306-M8X37** | 2306-M8X37 MOUNTING SCREWI (SMALL HEAD) | 2,20 € |
| | **2405-M8X30** | A16 MOUNTING SCREW (SMALL HEAD) | 2,20 € |
| | **2506-M8X35** | 2506-M8X35 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2508-M10X40** | 2508-M10X40 CARTRIDGE MOUNTING SCREW | 2,20 € |
| | **2510-M12X40** | 2510-M12X40 İMBUS SCREW | 2,20 € |
| | **2715-M3X4** | 2715-M3X4 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2715-M3X5** | 2715-M3X5 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2715-M3X8** | 2715-M3X8 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2702-M4X12** | 2702-M4X12 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2725-M5X12** | 2725-M5X12 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2725-M5X14** | 2725-M5X14 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2703-M6X16** | 2703-M6X16 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |
| | **2704-M8X25** | 2704-M8X25 CARTRIDGE RADIAL ADJUST SCREW | 1,40 € |

## GROOVING TOOLS SCREWS

| PRODUCT PICTURE | CODE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|---|
| | **AKV-02-M6x22** | GROOVING TOOLS SCREW | 2,20 € |
| | **AKV-08-M6X12** | C-SYSTEM MILLING SCREW | 3,70 € |
| | **AKV-09-M8X18** | C-SYSTEM MILLING SCREW | 4,30 € |
| | **AKV-29-M6x29** | GROOVING TOOLS SCREW | 4,00 € |
| | **2503-M4x10** | GROOVING TOOLS SCREW | 2,20 € |
| | **2503-M4x16** | GROOVING TOOLS SCREW | 2,20 € |
| | **2504-M5x12** | GROOVING TOOLS SCREW | 2,20 € |
| | **2504-M5x16** | GROOVING TOOLS SCREW | 2,20 € |
| | **2505-M6x16** | GROOVING TOOLS SCREW | 2,20 € |
| | **2505-M6x20** | GROOVING TOOLS SCREW | 2,20 € |
| | **2505-M6X25** | for BLOCK CLAMP SCREW | 2,20 € |
| | **2004-M8x20** | GROOVING TOOLS SCREW | 2,70 € |
| | **2004-M8x1x20** | GROOVING TOOLS SCREW | 2,70 € |
| | **1904-M8x1x20** | GROOVING TOOLS SCREW | 2,70 € |

## ANTI-SEIZE LUBRICANT

| PRODUCT PICTURE | PRODUCT DETAIL | PRICE / PREIS |
|---|---|---|
| | ANTI-SEIZE LUBRICANT | 4,30 € |
| | | |
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| | | |

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SPARE PARTS / *ERSATZTEILE*

## COOLANT HOSE SET

| INDIVIDUAL COMPONENTS | | | List Price pcs | Set Code : ACHS-1-250<br>Length : 250 mm<br>Set Price : 65,00 € | Set Code : ACHS-2-250<br>Length : 250 mm<br>Set Price : 73,00 € | Set Code : ACHS-3-250<br>Length : 250 mm<br>Set Price : 75,00 € |
|---|---|---|---|---|---|---|
| Picture | Ordering Code | Product Detail | | | | |
| ① | **AMP-01** | M10 Fastener | 4,70 € | 1 pcs | - | - |
| ② | **AMP-02** | G1/8" Double Fastener | 4,20 € | 2 pcs | 1 pcs | - |
| ③ | **AMP-03** | G1/8" Angle Connection | 4,00 € | - | 1 pcs | 2 pcs |
| ④ | **AMP-04** | M10 Angle Connection | 3,90 € | - | 1 pcs | 1 pcs |
| ⑤ | **AMP-05** | G1/4"-G1/8 Capillary Piece | 6,40 € | - | 1 pcs | 1 pcs |
| ⑥ | **AG-01** | Copper Gasket | 1,40 € | 2 pcs | 3 pcs | 4 pcs |
| ⑦ | **2705-G1/8X5.5** | G1/8" Sealing Bolt | 1,90 € | 1 pcs | 1 pcs | 1 pcs |
| ⑧  | **AH-1-250** | Hose | 60,10 € | 1 pcs | - | - |
| ⑨ | **AH-2-250** | Hose | 63,00 € | - | 1 pcs | - |
| ⑩  | **AH-3-250** | Hose | 64,30 € | - | - | 1 pcs |

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## NOTLAR / NOTES / NOTIZEN

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