

FMA11 Kr:45°

New generation of face milling with double sided insert
Neue Planfräsergeneration mit doppelseitiger WSP



Double sided inserts
Doppelseitige WSP

8 cutting edge

8 Schneidkanten für wirtschaftliche Auslastung der WSP.

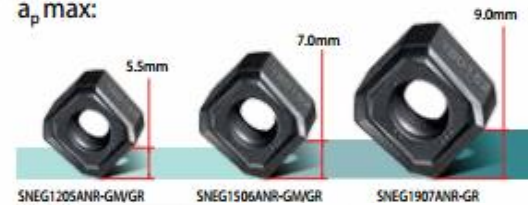
Inserts with big rake angle, reducing power consumption.

Großer Spanwinkel für weichen Schnitt.

Milling cutter with thicker inserts for high stability and big cutting depth.

Doppelseitige, extra dicke Wendeschneidplatte für große Spantiefen bei hoher Bruchsicherheit.

a_p max:



SNEG120SANR-GMGR

SNEG1506ANR-GMGR

SNEG1907ANR-GR

Insert Grade:
WSP Sorten:

YBC302

YBM253

YBD152

CVD

CVD

CVD

P15 - P35

P20 - P40

K05 - K25



20 Inserts less normal discount, Purchase 1 cutter (Up to Ø125) @ Only £1.00 per mm of cutter diameter. All orders must state "Milling Promo"



Product Range

■ Specification of tools · Werkzeug Beschreibung

| Type Typ | * | Stock Lager | | Dimension (mm) Abmessung | | | | | No. of teeth Zähne | Coupling Aufnahme | Weight Gewicht (kg) | |
|--------------|-------------------|----------------|---|-----------------------------|-----------------|--------|----|--------------------|--------------------------|----------------------|---------------------------|-------|
| | | R | L | ØD | ØD ₁ | Ød | L | a _p max | | | | |
| FMA11 | -063-A22-SN12-05 | * | ● | | 63 | 74.47 | 22 | 40 | 5.5 | 5 | A | 0.55 |
| | -080-A27-SN12-06 | * | ● | | 80 | 91.47 | 27 | 50 | 5.5 | 6 | A | 1.14 |
| | -100-B32-SN12-07 | | ● | | 100 | 111.47 | 32 | 50 | 5.5 | 7 | B | 1.42 |
| | -100-B32-SN12-07C | * | ○ | | 100 | 111.47 | 32 | 50 | 5.5 | 7 | B | 1.42 |
| | -125-B40-SN12-08 | | ● | | 125 | 136.47 | 40 | 63 | 5.5 | 8 | B | 2.86 |
| | -125-B40-SN12-08C | * | ○ | | 125 | 136.47 | 40 | 63 | 5.5 | 8 | B | 2.86 |
| | -160-C40-SN12-10 | | ● | | 160 | 171.47 | 40 | 63 | 5.5 | 10 | C | 4.06 |
| FMA11 | -063-A22-SN15-05 | * | ● | | 63 | 77.4 | 22 | 40 | 7.0 | 5 | A | 0.56 |
| | -080-A27-SN15-06 | * | ● | | 80 | 94.4 | 27 | 50 | 7.0 | 6 | A | 1.06 |
| | -100-B32-SN15-07 | | ● | | 100 | 114.4 | 32 | 50 | 7.0 | 7 | B | 1.47 |
| | -100-B32-SN15-07C | * | ○ | | 100 | 114.4 | 32 | 50 | 7.0 | 7 | B | 1.47 |
| | -125-B40-SN15-08 | | ● | | 125 | 139.4 | 40 | 63 | 7.0 | 8 | B | 2.70 |
| | -125-B40-SN15-08C | * | ○ | | 125 | 139.4 | 40 | 63 | 7.0 | 8 | B | 2.70 |
| | -160-C40-SN15-10 | | ● | | 160 | 174.4 | 40 | 63 | 7.0 | 10 | C | 3.92 |
| | -200-C60-SN15-12 | | ● | | 200 | 214.4 | 60 | 63 | 7.0 | 12 | C | 5.46 |
| | -250-C60-SN15-14 | | ● | | 250 | 264.4 | 60 | 63 | 7.0 | 14 | C | 11.26 |
| | -315-D60-SN15-18 | | ○ | | 315 | 329.4 | 60 | 80 | 7.0 | 18 | D | 20.00 |
| FMA11 | -125-B40-SN19-07 | | ● | | 125 | 142.63 | 40 | 63 | 9.0 | 7 | B | 3.00 |
| | -125-B40-SN19-07C | * | ● | | 125 | 142.63 | 40 | 63 | 9.0 | 7 | B | 3.00 |
| | -160-C40-SN19-09 | | ● | | 160 | 167.63 | 40 | 63 | 9.0 | 9 | C | 4.25 |
| | -200-C60-SN19-11 | | ● | | 200 | 217.63 | 60 | 63 | 9.0 | 11 | C | 6.18 |
| | -250-C60-SN19-13 | | ● | | 250 | 267.63 | 60 | 63 | 9.0 | 13 | C | 11.55 |
| | -315-D60-SN19-16 | | ○ | | 315 | 332.63 | 60 | 80 | 9.0 | 16 | D | 20.90 |

* Internal coolant · Innenkühlung

● Ex stock / ab Lager ○ On demand / auf Anfrage

| Insert shape Plattenform | Type Typ | Dimension (mm) Abmessung | | | | | | CVD Coating CVD Beschicht. | | | | | PVD Coating PVD Beschicht. | | | Cermat Cermat | Carbide uncoat. unbe. Hartmetall | | | | | | | | | | |
|---|----------------|-----------------------------|------|------|------|-----|-----|-------------------------------|--------|--------|--------|--------|-------------------------------|--------|--------|------------------|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|---------|-------|-------|
| | | L | I.C | S | bs | Ø d | r | YBC301 | YBC302 | YBC401 | YBM251 | YBM253 | YBM351 | YBD152 | YBD252 | | | YBG102 | YBG202 | YBG205 | YBG302 | YBG152 | YBG252 | YNG151 | YNG151C | YC30S | YD101 |
|  | SNEG1205ANR-GM | 7.6 | 12.0 | 4.76 | 1.05 | 4.6 | 0.8 | ● | | ● | ● | | | | | | | | | | | | | | | | |
| | SNEG1506ANR-GM | 9.4 | 15.0 | 5.54 | 1.30 | 5.5 | 0.9 | ● | | ● | ● | | | | | | | | | | | | | | | | |
|  | SNEG1204ANR-GR | 7.6 | 12.0 | 4.76 | 1.05 | 4.6 | 0.8 | ● | | ● | ● | | | | | | | | | | | | | | | | |
| | SNEG1506ANR-GR | 9.4 | 15.0 | 5.54 | 1.30 | 5.5 | 0.9 | ● | | ● | ● | | | | | | | | | | | | | | | | |
| | SNEG1907ANR-GR | 12.1 | 19.0 | 7.0 | 1.67 | 7.2 | 1.0 | ● | | ● | ● | | | | | | | | | | | | | | | | |

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Features, functions, operating parameters

Recommended cutting data · Empfohlene Schnittdaten

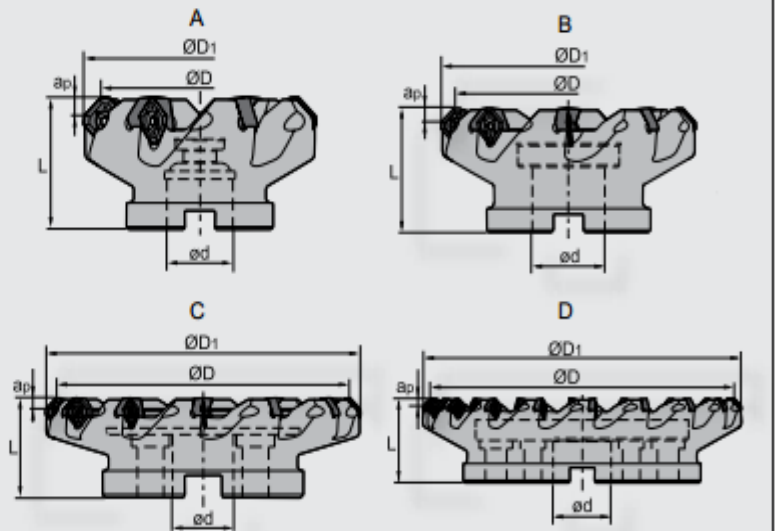
| | Workpiece material Werkstückstoff | Hardness HB Härte | Grade Sorte | Cutting data Schnittdaten | | |
|----------|--|----------------------|----------------|------------------------------|---------------|-------------------|
| | | | | V (m/min) | f (mm/z) | a _{pmax} |
| P | Low-carbon steel Soft steel Niedriglegierter Kohlenstoffstahl Baustahl | ≤180 | YBM253 | 270 (220-350) | 0.2 (0.1-0.4) | 5.5-9.0 |
| | | | YBC302 | 270 (220-350) | 0.2 (0.1-0.4) | 5.5-9.0 |
| | High-carbon steel Alloy steel Hochleg. Kohlenstoffstahl | 180-280 | YBM253 | 260 (200-320) | 0.2 (0.1-0.4) | 5.5-9.0 |
| | | | YBC302 | 260 (200-320) | 0.2 (0.1-0.4) | 5.5-9.0 |
| | Alloy tool steel Leg. Werkzeugstahl | 280-350 | YBM253 | 240 (180-300) | 0.2 (0.1-0.4) | 5.5-9.0 |
| | | | YBC302 | 240 (180-300) | 0.2 (0.1-0.4) | 5.5-9.0 |
| K | Cast iron Gusseisen | 180-250 | YBD152 | 270 (150-300) | 0.4 (0.1-0.5) | 5.5-9.0 |

Face Milling Tools · Planfräser

Kr:45°



FMA11 **P** **K**



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