

# 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.

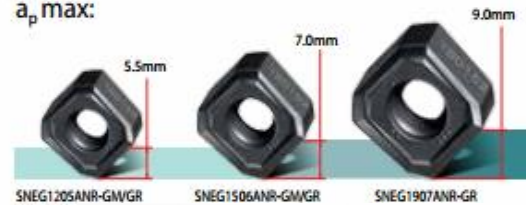
Inserts with big rake angle, reducing power consumption.

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:

<b>YBC302</b>	<b>YBM253</b>	<b>YBD152</b>
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 <sub>1</sub>	Ød	L	a <sub>p</sub> max				
<b>FMA11</b>	-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
<b>FMA11</b>	-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
<b>FMA11</b>	-315-D60-SN15-18		○		315	329.4	60	80	7.0	18	D	20.00
	-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

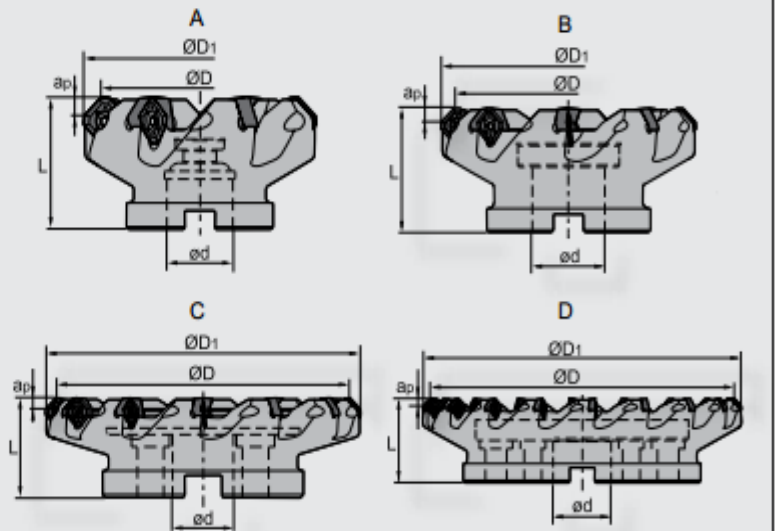
	Workpiece material Werkstückstoff	Hardness HB Härte	Grade Sorte	Cutting data Schnittdaten		
				V (m/min)	f (mm/z)	a <sub>pmax</sub>
<b>P</b>	Low-carbon steel Soft steel Niedriglegierter Kohlenstoffstahl Baustahl	≤180	YBM253	270 (220-350)	0.2 (0.1-0.4)	5.5-9.0
			YBC302	270 (220-350)	0.2 (0.1-0.4)	5.5-9.0
	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
<b>K</b>	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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