YD-VP20 **PROMOTION**

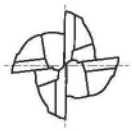
330 V-7 PLUS ARTIKEL
gültig bis 30.06.2023

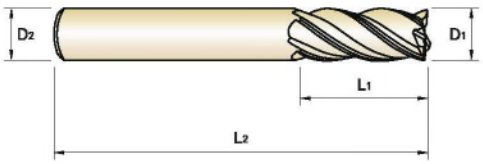
Angebot ist begrenzt und ist speziell für Gewerbe, Handwerk, Handel und Industrie.
Preise in EURO, zzgl. MwSt. - Änderungen, Zwischenverkauf und Irrtümer vorbehalten.
Der Verkauf ist ausschließlich für den deutschen Markt bestimmt. Ein Verkauf ins Ausland ist untersagt.

HIGH PERFORMANCE SOLID CARBIDE END MILLS
4 FLUTE SHORT LENGTH

GMF52 PLAIN SHANK
GMF53 FLAT SHANK

▶Special flute geometry and multiple helix eliminate vibrations
▶Excellent performance for Stainless Steels, Mild Steels, Cast Iron, Low/Medium hardness materials under HRc40



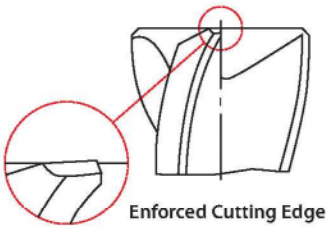


CARBIDE | 4 | 35°/37° | PLAIN | FLAT | C x 45° | P.28

Unit : mm

Art.-Nr. 1301750	Art.-Nr. 1301751	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Chamfer	Promotion Preis/St.
PLAIN	FLAT	D1	D2	L1	L2		
GMF52030	**GMF53030**	**3.0**	6	7	54	0.10	**10,80 €**
GMF52040	**GMF53040**	**4.0**	6	8	54	0.15	**10,80 €**
GMF52050	**GMF53050**	**5.0**	6	10	54	0.15	**10,80 €**
GMF52060	**GMF53060**	**6.0**	6	10	54	0.20	**10,80 €**
GMF52080	**GMF53080**	**8.0**	8	12	58	0.20	**15,25 €**
GMF52100	**GMF53100**	**10.0**	10	14	66	0.30	**22,65 €**
GMF52120	**GMF53120**	**12.0**	12	16	73	0.35	**33,15 €**
GMF52140	**GMF53140**	**14.0**	14	18	75	0.40	**46,40 €**
GMF52160	**GMF53160**	**16.0**	16	22	82	0.40	**60,75 €**
GMF52180	**GMF53180**	**18.0**	18	24	84	0.50	**87,80 €**
GMF52200	**GMF53200**	**20.0**	20	26	92	0.50	**89,65 €**

Mill Dia. Tolerance (mm)		Shank Dia. Tolerance
Up to Ø12	0 ~ - 0.02	h5
Over Ø12	0 ~ - 0.03	* Shank Dia.≥Ø12: h6


Enforced Cutting Edge

◎ : Excellent ○ : Good

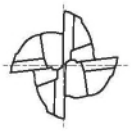
ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

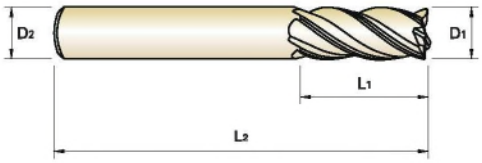
ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended											○	○	○	○	○	○	○				

HIGH PERFORMANCE SOLID CARBIDE END MILLS
4 FLUTE LONG LENGTH

GMF56 PLAIN SHANK
GMF57 FLAT SHANK

▶Special flute geometry and multiple helix eliminate vibrations
▶Excellent performance for Stainless Steels, Mild Steels, Cast Iron, Low/Medium hardness materials under HRc40



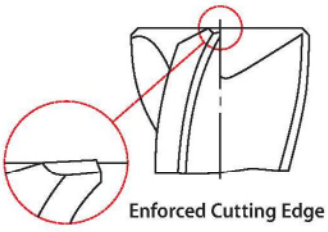


CARBIDE | 4 | 35°/37° | PLAIN | FLAT | C x 45° | P.28

Unit : mm

Art.-Nr. 1301754	Art.-Nr. 1301755	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	Chamfer	Promotion Preis/St.
PLAIN	FLAT	D1	D2	L1	L2		
GMF56030	**GMF57030**	**3.0**	6	8	57	0.10	**11,25 €**
GMF56040	**GMF57040**	**4.0**	6	11	57	0.15	**11,25 €**
GMF56050	**GMF57050**	**5.0**	6	13	57	0.15	**11,25 €**
GMF56060	**GMF57060**	**6.0**	6	13	57	0.20	**11,25 €**
GMF56080	**GMF57080**	**8.0**	8	19	63	0.20	**15,95 €**
GMF56100	**GMF57100**	**10.0**	10	22	72	0.30	**25,45 €**
GMF56120	**GMF57120**	**12.0**	12	26	83	0.35	**34,70 €**
GMF56140	**GMF57140**	**14.0**	14	26	83	0.40	**50,50 €**
GMF56160	**GMF57160**	**16.0**	16	32	92	0.40	**62,55 €**
GMF56180	**GMF57180**	**18.0**	18	32	92	0.50	**88,95 €**
GMF56200	**GMF57200**	**20.0**	20	38	104	0.50	**110,80 €**
GMF56250	**GMF57250**	**25.0**	25	38	104	0.50	**155,95 €**

Mill Dia. Tolerance (mm)		Shank Dia. Tolerance
Up to Ø12	0 ~ - 0.02	h5
Over Ø12	0 ~ - 0.03	* Shank Dia.≥Ø12: h6


Enforced Cutting Edge

◎ : Excellent ○ : Good

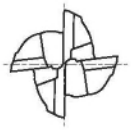
ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

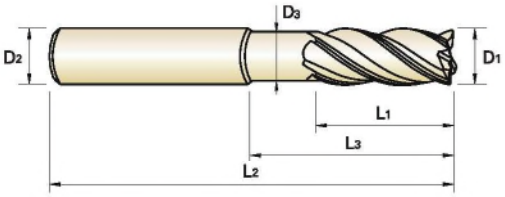
ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended											○	○	○	○	○	○	○				

HIGH PERFORMANCE SOLID CARBIDE END MILLS
4 FLUTE with EXTENDED NECK

GMF60 PLAIN SHANK
GMF61 FLAT SHANK

▶Special flute geometry and multiple helix eliminate vibrations
▶Excellent performance for Stainless Steels, Mild Steels, Cast Iron, Low/Medium hardness materials under HRc40



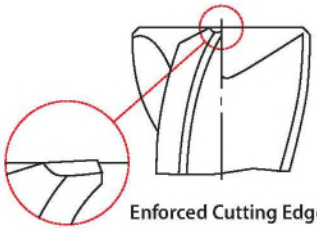


CARBIDE | 4 | 35°/37° | PLAIN | FLAT | C x 45° | P.28

Unit : mm

Art.-Nr. 1301758	Art.-Nr. 1301759	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter	Chamfer	Promotion Preis/St.
PLAIN	FLAT	D1	D2	L1	L3	L2	D3		
GMF60030	**GMF61030**	**3.0**	6	7	12	54	2.7	0.10	**11,25 €**
GMF60901	**GMF61901**	**3.0**	6	7	17	57	2.7	0.10	**11,25 €**
GMF60902	**GMF61902**	**3.0**	6	8	14	57	2.7	0.10	**11,25 €**
GMF60040	**GMF61040**	**4.0**	6	8	15	57	3.7	0.15	**11,25 €**
GMF60903	**GMF61903**	**4.0**	6	8	22	63	3.7	0.15	**11,25 €**
GMF60904	**GMF61904**	**4.0**	6	11	16	57	3.7	0.15	**11,25 €**
GMF60050	**GMF61050**	**5.0**	6	10	17	57	4.7	0.15	**11,25 €**
GMF60905	**GMF61905**	**5.0**	6	10	27	67	4.7	0.15	**11,25 €**
GMF60906	**GMF61906**	**5.0**	6	13	18	57	4.7	0.15	**11,25 €**
GMF60060	**GMF61060**	**6.0**	6	10	15	57	5.5	0.20	**11,25 €**
GMF60907	**GMF61907**	**6.0**	6	10	20	62	5.5	0.20	**11,25 €**
GMF60908	**GMF61908**	**6.0**	6	10	32	74	5.5	0.20	**11,25 €**
TOP **GMF60909**	**GMF61909**	**6.0**	6	13	21	57	5.5	0.20	**11,25 €**
GMF60080	**GMF61080**	**8.0**	8	12	20	63	7.5	0.20	**15,95 €**
GMF60910	**GMF61910**	**8.0**	8	12	30	73	7.5	0.20	**15,95 €**
GMF60911	**GMF61911**	**8.0**	8	12	46	90	7.5	0.20	**17,30 €**
TOP **GMF60912**	**GMF61912**	**8.0**	8	19	27	63	7.5	0.20	**15,95 €**
GMF60100	**GMF61100**	**10.0**	10	14	25	72	9.2	0.30	**25,45 €**
GMF60913	**GMF61913**	**10.0**	10	14	35	82	9.2	0.30	**25,45 €**
GMF60914	**GMF61914**	**10.0**	10	14	55	102	9.2	0.30	**26,70 €**

Mill Dia. Tolerance (mm)		Shank Dia. Tolerance
Up to Ø12	0 ~ - 0.02	h5 * Shank Dia.≥Ø12: h6
Over Ø12	0 ~ - 0.03	


Enforced Cutting Edge

◎ : Excellent ○ : Good

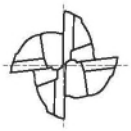
ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

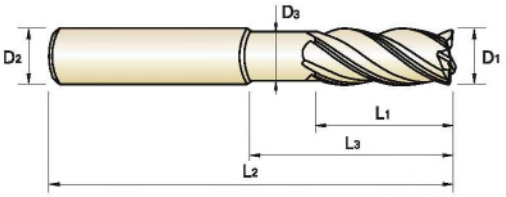
ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended											○	○	○	○	○	○	○				

HIGH PERFORMANCE SOLID CARBIDE END MILLS
4 FLUTE with EXTENDED NECK

GMF60 PLAIN SHANK
GMF61 FLAT SHANK

▶Special flute geometry and multiple helix eliminate vibrations
▶Excellent performance for Stainless Steels, Mild Steels, Cast Iron, Low/Medium hardness materials under HRc40



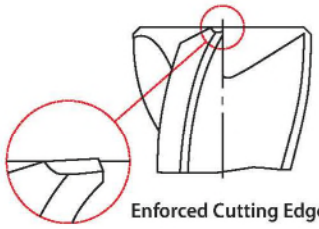


CARBIDE | 4 | 35°/37° | PLAIN | FLAT | C x 45° | P.28

Unit : mm

	Art.-Nr. 1301758	Art.-Nr. 1301759	Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter	Chamfer	Promotion Preis/St.
	PLAIN	FLAT	D1	D2	L1	L3	L2	D3		
TOP	GMF60915	GMF61915	10.0	10	22	32	72	9.2	0.30	25,45 €
	GMF60120	GMF61120	12.0	12	16	30	83	11.0	0.35	34,70 €
	GMF60916	GMF61916	12.0	12	16	40	93	11.0	0.35	34,70 €
	GMF60917	GMF61917	12.0	12	16	64	117	11.0	0.35	44,80 €
TOP	GMF60918	GMF61918	12.0	12	26	38	83	11.0	0.35	34,70 €
	GMF60160	GMF61160	16.0	16	22	38	92	15.0	0.40	73,10 €
	GMF60919	GMF61919	16.0	16	22	55	109	15.0	0.40	73,10 €
	GMF60920	GMF61920	16.0	16	22	87	141	15.0	0.40	78,50 €
TOP	GMF60921	GMF61921	16.0	16	32	44	92	15.0	0.40	62,55 €
	GMF60200	GMF61200	20.0	20	26	50	104	19.0	0.50	96,20 €
	GMF60922	GMF61922	20.0	20	26	70	124	19.0	0.50	124,20 €
	GMF60923	GMF61923	20.0	20	26	110	164	19.0	0.50	145,65 €
TOP	GMF60924	GMF61924	20.0	20	38	54	104	19.0	0.50	110,80 €

Mill Dia. Tolerance (mm)		Shank Dia. Tolerance
Up to Ø12	0 ~ - 0.02	h5
Over Ø12	0 ~ - 0.03	* Shank Dia.≥Ø12: h6


Enforced Cutting Edge

◎ : Excellent ○ : Good

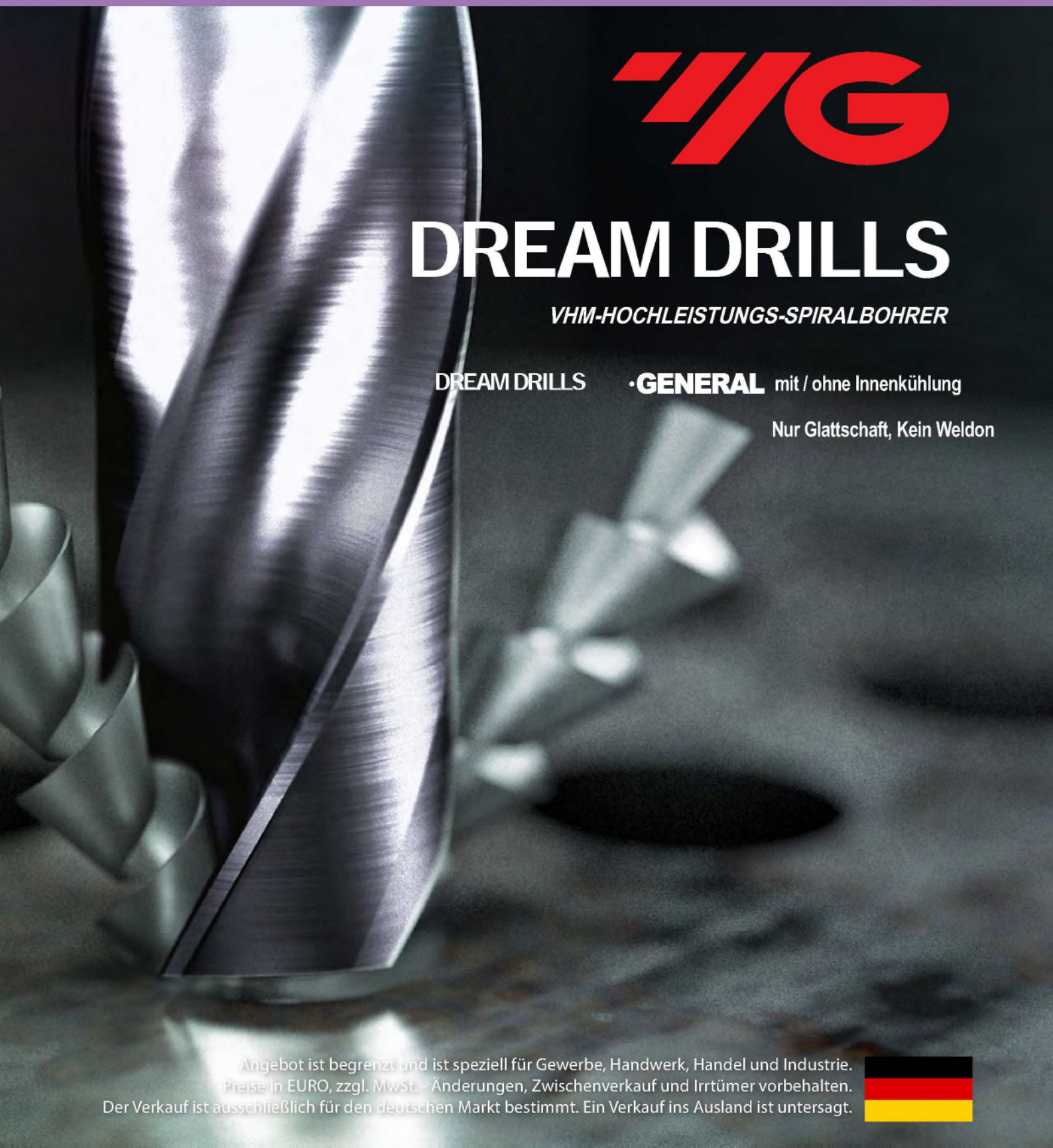
ISO	P											M			K					
Material Description	Non-alloy steel					Low alloy steel				High alloyed steel, and tool steel		Stainless steel			Grey cast iron		Nodular cast iron		Malleable cast iron	
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
HRc		13	25	28	32	10	29	32	38	15	35	15	23	10	10	26	3	25		21
HB	125	190	250	270	300	180	275	300	350	200	325	200	240	180	180	260	160	250	130	230
Recommended	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

ISO	N										S							H			
Material Description	Aluminum-wrought alloy		Aluminum-cast, alloyed			Copper and Copper Alloys (Bronze / Brass)			Non Metallic Materials		Heat Resistant Super Alloys					Titanium Alloys		Hardened steel		Chilled Cast Iron	Hardened Cast Iron
VDI 3323	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
HRc											15	30	25	38	34			55	60	42	55
HB	60	100	75	90	130	110	90	100			200	280	250	350	320	400 Rm	1050 Rm	550	630	400	550
Recommended											○	○	○	○	○	○	○				

YD-DD20

623 DREAM DRILL

gültig bis 30.06.2023



DREAM DRILLS

VHM-HOCHLEISTUNGS-SPIRALBOHRER

DREAM DRILLS ·**GENERAL** mit / ohne Innenkühlung

Nur Glattschaft, Kein Weldon

Angebot ist begrenzt und ist speziell für Gewerbe, Handwerk, Handel und Industrie.
Preise in EURO, zzgl. MwSt. - Änderungen, Zwischenverkauf und Irrtümer vorbehalten.
Der Verkauf ist ausschließlich für den deutschen Markt bestimmt. Ein Verkauf ins Ausland ist untersagt.

DIN 6537 | MG | h6 | m7 | 140°

3×D
5×D

DREAM DRILLS GENERAL

Glatt	DH423 Art.-Nr. 1001330	DH406* Art.-Nr. 1001337	DH424 Art.-Nr. 1001331	DH408* Art.-Nr. 1001338
1,0 - 2,9 mm	15,20 €	-	15,30 €	24,75 €
3,0 - 6,0 mm	14,85 €	21,40 €	18,95 €	27,45 €
6,1 - 8,0 mm	17,00 €	29,05 €	20,40 €	30,30 €
8,1 - 10,0 mm	21,70 €	32,50 €	26,30 €	36,10 €
10,1 - 12,0 mm	28,80 €	46,55 €	36,80 €	50,70 €
bis 14,0 mm	44,95 €	65,05 €	51,10 €	72,00 €
bis 16,0 mm	55,20 €	82,00 €	64,35 €	95,20 €
bis 18,0 mm	74,55 €	134,60 €	84,95 €	142,35 €
bis 20,0 mm	91,70 €	147,05 €	106,50 €	162,95 €

* Vom Durchmesser 1,0 (bzw. 3,0) bis 12,00 mm sind alle Bohrer in 0,1 mm Abstufung lieferbar. Nur für Serien DH406/DH408 sind Zwischengrößen ab 12,1 bis 19,9 mm in 0,1 mm Abstufung lieferbar.

YD-PT21 DE

Registered
ISO 9001:2015 / ISO 14001:2015

WORLD CLASS PRODUCT OF KOREA 1
세계일류상품

Neu bei YG-1

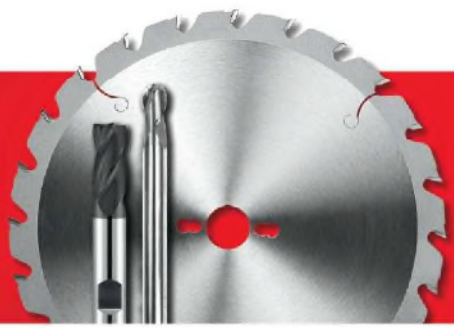
Wir informieren Sie gerne - Rufen Sie uns an!

YG

TAP PRIME

HSS-PM (Pulvermetall) Premium Gewindebohrer

- Premium Schälanschnitt - und Spiralgenutete Gewindebohrer für CNC-Maschinen
- Ausgezeichnete und zuverlässige Leistung in verschiedenen Materialien



neuberger

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