

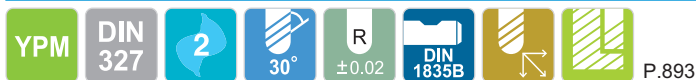


FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

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PREMIUM HSS-PM, 2 FLUTE SHORT LENGTH BALL NOSE PREMIUM HSS-PM, 2 SCHNEIDEN STIRNRADIUS KURZ

- ▶ Excellent performance on wide materials from carbon steels and stainless steels to aluminum.
- ▶ Designed for milling of radius bottom slots, fillets and special contours.
- ▶ YG-1's new developed TANK-POWER Coating suitable for high speed cutting.
- ▶ Für die Bearbeitung von: Werkstoffen bis 45 HRC, rostfreien Stählen, Titan und Nickellegierungen.
- ▶ Entworfen zum Fräsen von Nuten mit Radien, Rippen und speziellen Konturen.
- ▶ Neuentwickelte Beschichtung für Hochgeschwindigkeitsfräsen.



Unit : mm

EDP No.		Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TANK-POWER COATED	R (±0.02)				
E9940010	GA940010	R0.5	1.0	6	2.5	47
E9940020	GA940020	R1.0	2.0	6	4	48
E9940030	GA940030	R1.5	3.0	6	5	49
E9940040	GA940040	R2.0	4.0	6	7	51
E9940050	GA940050	R2.5	5.0	6	8	52
E9940060	GA940060	R3.0	6.0	6	8	52
E9940070	GA940070	R3.5	7.0	10	10	60
E9940080	GA940080	R4.0	8.0	10	11	61
E9940090	GA940090	R4.5	9.0	10	11	61
E9940100	GA940100	R5.0	10.0	10	13	63
E9940120	GA940120	R6.0	12.0	12	16	73
E9940140	GA940140	R7.0	14.0	12	16	73
E9940160	GA940160	R8.0	16.0	16	19	79
E9940180	GA940180	R9.0	18.0	16	19	79
E9940200	GA940200	R10.0	20.0	20	22	88
E9940220	GA940220	R11.0	22.0	20	22	88
E9940250	GA940250	R12.5	25.0	25	26	102

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

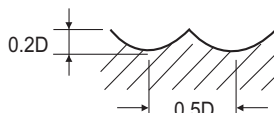
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
○	○	○				○		○				

◎ : Excellent ○ : Good

PREMIUM HSS-PM, 2 FLUTE BALL NOSE - PROFILING
PREMIUM HSS-PM, 2 SCHNEIDEN STIRNRADIUS - PROFILFRÄSEN

GA940, GAA32 SERIES

MATERIAL	STRUCTURAL STEELS CARBON STEELS		STRUCTURAL STEELS CARBON STEELS CAST IRONS		CARBON STEELS ALLOY STEELS TOOL STEELS		PREHARDENED STEELS ALLOY STEELS TOOL STEELS	
	HARDNESS	STRENGTH	~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc40	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R1.5 × 3.0	7300	340	5800	230	3900	125	2000	55
R2.0 × 4.0	6000	430	4620	290	3000	160	1600	75
R3.0 × 6.0	4400	480	3500	320	2300	180	1200	85
R4.0 × 8.0	3350	530	2600	350	1800	200	890	85
R5.0 × 10.0	2750	600	2100	400	1400	230	680	102
R6.0 × 12.0	2300	530	1800	350	1200	200	580	85
R8.0 × 16.0	1700	480	1300	320	890	180	440	80
R10.0 × 20.0	1350	420	1000	280	680	150	360	70
R12.5 × 25.0	950	310	740	210	470	115	250	52

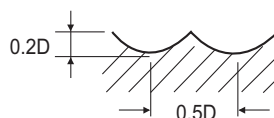


RPM = rev./min.
FEED = mm/min.

PREMIUM HSS-PM, 2 FLUTE BALL NOSE - PROFILING
PREMIUM HSS-PM, 2 SCHNEIDEN STIRNRADIUS - PROFILFRÄSEN

E9940, E9A32 SERIES

MATERIAL	STRUCTURAL STEELS CARBON STEELS		STRUCTURAL STEELS CARBON STEELS CAST IRONS		CARBON STEELS ALLOY STEELS TOOL STEELS		PREHARDENED STEELS ALLOY STEELS TOOL STEELS	
	HARDNESS	STRENGTH	~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc40	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R1.5 × 3.0	5000	210	3900	140	2600	80	1300	35
R2.0 × 4.0	4000	260	3100	180	2100	100	1000	45
R3.0 × 6.0	3000	300	2300	200	1600	110	820	55
R4.0 × 8.0	2300	330	1800	220	1200	125	600	55
R5.0 × 10.0	1800	370	1400	250	1000	140	480	65
R6.0 × 12.0	1500	330	1200	220	820	125	400	55
R8.0 × 16.0	1100	300	900	200	600	110	300	50
R10.0 × 20.0	930	260	710	170	480	95	240	45
R12.5 × 25.0	640	190	500	130	340	70	175	30



RPM = rev./min.
FEED = mm/min.