

2 FLUTE, SHORT LENGTH BALL NOSE END MILL 2 SCHNEIDEN, STIRNRADIUS, KURZ

SERIES EP940

FLAT SHANK

SEITLICHEN MITNAHNEFLÄCHEN

PREMIUM
PM

30°

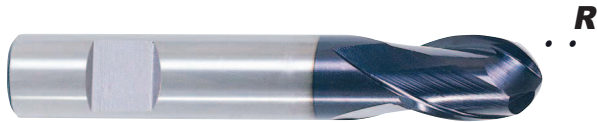
FLUTE
2

DIN
327

DIN1835B

P.99

TANK-POWER



- Excellent performance on wide materials from carbon steels and stainless steels to aluminum.
Exzellente Bearbeitung von verschiedensten Materialien wie Karbonstahl, rostfreier Stahl bis zu Aluminium.
- Designed for milling of radius bottom slots, fillets and special contours.
Entworfen zum Fräsen von Rundboden-kerbungen, Rippen und speziellen Konturen.
- YG-1's new developed TANK-POWER Coating suitable for high speed cutting.
Die von YG-1 entwickelte TANK-POWER Beschichtung ist geeignet für Hochgeschwindigkeitsschnitt.

unit : mm

EDP No. FLAT	R • 0.02	MILL DIAMETER 0/ - 0.03	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
EP940010	R0.5	1.0	6	a2.5	47
EP940020	R1.0	2.0	6	4	48
EP940030	R1.5	3.0	6	5	49
EP940040	R2.0	4.0	6	7	51
EP940050	R2.5	5.0	6	8	52
EP940060	R3.0	6.0	6	8	52
EP940070	R3.5	7.0	10	10	60
EP940080	R4.0	8.0	10	11	61
EP940090	R4.5	9.0	10	11	61
EP940100	R5.0	10.0	10	13	63
EP940120	R6.0	12.0	12	16	73
EP940140	R7.0	14.0	12	16	73
EP940160	R8.0	16.0	16	19	79
EP940180	R9.0	18.0	16	19	79
EP940200	R10.0	20.0	20	22	88
EP940220	R11.0	22.0	20	22	88
EP940250	R12.5	25.0	25	26	102

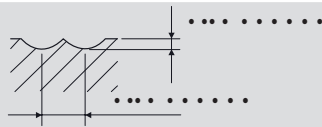
- Uncoated end mills are available on your request.

MILL DIA. TOLERANCE	SHANK DIA. TOLERANCE
• 0 • 0.03	h6

2 FLUTE, BALL NOSE, PROFILING

• EP940

MATERIAL	STRUCTURAL STEELS CARBON STEELS		STRUCTURAL STEELS CARBON STEELS CAST IRONS		CARBON STEELS ALLOY STEELS TOOL STEELS		PREHARDENED STEELS ALLOY STEELS TOOL STEELS	
	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
HARDNESS			~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc40	
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R1.5 • 3.0	7000	300	5500	200	3700	110	1900	50
R2.0 • 4.0	5700	370	4400	250	2900	140	1500	65
R3.0 • 6.0	4200	420	3300	280	2200	155	1150	75
R4.0 • 8.0	3200	460	2500	310	1700	175	850	75
R5.0 • 10.0	2600	520	2000	350	1350	200	650	90
R6.0 • 12.0	2200	460	1700	310	1150	175	550	75
R8.0 • 16.0	1600	420	1250	280	850	155	420	70
R10.0 • 20.0	1300	360	1000	240	650	130	340	60
R12.5 • 25.0	900	270	700	180	450	100	240	45

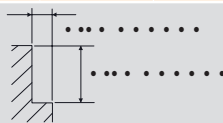


RPM=REVOLUTION PER MIN.
FEED=mm/min.

MULTI FLUTE, ROUGHING, SIDE CUTTING

• EP941

MATERIAL	STRUCTURAL STEELS CARBON STEELS		STRUCTURAL STEELS CARBON STEELS CAST IRONS		CARBON STEELS ALLOY STEELS TOOL STEELS		PREHARDENED STEELS ALLOY STEELS TOOL STEELS	
	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
HARDNESS			~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc40	
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
6	2700	200	2100	155	1500	100	1250	90
8	2300	250	1800	200	1300	140	1000	110
10	1800	360	1400	275	1000	170	850	140
12	1500	360	1150	290	850	200	700	155
14	1300	360	1000	290	720	200	600	155
16	1150	360	900	290	625	200	520	155
18	1000	360	850	290	580	200	470	155
20	920	370	720	290	500	200	420	155
22	850	370	620	290	450	200	380	155
25	750	360	570	275	400	190	340	155



RPM=REVOLUTION PER MIN.
FEED=mm/min.