MULTI FLUTE, SHORT LENGTH ROUGHING END MILL
MULTI SCHNEIDEN, SCHRUPPFRÄSER, KURZ

SERIES EP941 FLAT SHANK

SEITLICHEN MITNAHNEFLÄCHEN

PREMIUM PM | 30• • | FLUTE 3 - 5 | DIN 844 | DIN1835B | FINE | • ≤20 | • 22• • | P.99

- •Suitable for high-feed roughing milling.
  Geeignet zum HSC - Schruppen - Fräsen.
- •Designed to machine carbon steels, alloyed steels, stainless steels.
  Geeignet zum Fräsen Stähle, Legierte Stähle, Edelstähle.
- •Providing excellent finished surfaces in many cases.
  Liefert in vielen Fällen exzellent bearbeitete Oberflächen.
- •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.
- •up to • ≤20 : center cut, over • ≤20 : non center cut
  bis • ≤20 : mit Mitteschnitt, über • ≤20 : Ohne Mitteschnitt.

unit : mm

EDP No. FLAT	MILL DIAMETER js12	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH	No.of Flute
EP941060	6.0	6	13	57	3
EP941070	7.0	10	16	66	3
EP941080	8.0	10	19	69	3
EP941090	9.0	10	19	69	3
EP941100	10.0	10	22	72	4
EP941120	12.0	12	26	83	4
EP941140	14.0	12	26	83	4
EP941160	16.0	16	32	92	4
EP941180	18.0	16	32	92	4
EP941200	20.0	20	38	104	4
EP941220	22.0	20	38	104	5
EP941250	25.0	25	45	121	5

• •Uncoated end mills are available on your request.

Tolerances according to DIN 7160 & 7161
Toleranzen nach DIN 7160 & 7161

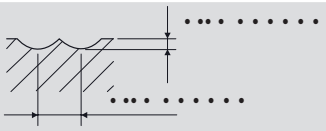
Toleranzwerte in • •/ Tolerance range in • •						
Nennmaβbereich in • •/ Nominal-Diameter in • •						
	von 1 bis 3 from 1 to 3	über 3 bis 6 over 3 to 6	über 6 bis 10 over 6 to 10	über 10 bis 18 over 10 to 18	über 18 bis 30 over 18 to 30	über 30 bis 50 over 30 to 50
js12	• •50	• •60	• •75	• •90	• •105	• •125
h6	$^{0}_{-6}$	$^{0}_{-8}$	$^{0}_{-9}$	$^{0}_{-11}$	$^{0}_{-13}$	$^{0}_{-16}$

FAX : +82(32)526-4373• YG-1 CO., LTD.

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	
HARDNESS			~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc40	
STRENGTH	~ 500N/mm2		500 ~ 800N/mm2		800 ~ 1000N/mm2		1000 ~ 1300N/mm2	
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

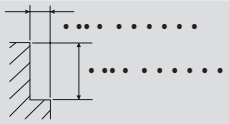


RPM=REVOLUTION PER MIN.
FEED=mm/min.

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	
HARDNESS			~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc40	
STRENGTH	~ 500N/mm2		500 ~ 800N/mm2		800 ~ 1000N/mm2		1000 ~ 1300N/mm2	
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.