

4 FLUTE, SHORT LENGTH END MILL

4 SCHNEIDEN FRÄSER, KURZ

TANK-POWER

SERIES EP938

FLAT SHANK

SEITLICHEN MITNAHNEFLÄCHEN

PREMIUM
PM

30°

FLUTE
4

DIN
844

DIN1835B



P.98



- Recommended for pocketing, tracer milling, cam milling, die sinking and slotting.
Empfohlen für Lochfräsen, Spurfraßen, Nockenfräsen, Gußformversenkungen und Nutenfräsen.
- Designed for high speed cutting of difficult - to - cut materials.
Geeignet für Hochgeschwindigkeitsfräsen von schwer zu schneidenden Materialien.
- 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	MILL DIAMETER +0.03/0	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
EP938010	1.0	6	3	49
EP938020	2.0	6	7	51
EP938030	3.0	6	8	52
EP938040	4.0	6	11	55
EP938050	5.0	6	13	57
EP938060	6.0	6	13	57
EP938070	7.0	10	16	66
EP938080	8.0	10	19	69
EP938090	9.0	10	19	69
EP938100	10.0	10	22	72
EP938120	12.0	12	26	83
EP938140	14.0	12	26	83
EP938160	16.0	16	32	92
EP938180	18.0	16	32	92
EP938200	20.0	20	38	104
EP938220	22.0	20	38	104
EP938250	25.0	25	45	121

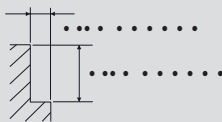
- Uncoated end mills are available on your request.

MILL DIA. TOLERANCE	SHANK DIA. TOLERANCE
• $\begin{matrix} -0.03 \\ 0 \end{matrix}$	h6

3 FLUTE, STUB, SIDE CUTTING

• EP942

MATERIAL	STRUCTURAL STEELS CARBON STEELS		STRUCTURAL STEELS CARBON STEELS CAST IRONS		CARBON STEELS ALLOY STEELS TOOL STEELS		PREHARDENED STEELS ALLOY STEELS TOOL STEELS		ALLOY STEELS TOOL STEELS AUSTENITIC STAINLESS STEELS	
	HARDNESS		~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc35		HRc35 ~ HRc40	
STRENGTH	~ 500N/mm2		500 ~ 800N/mm2		800 ~ 1000N/mm2		1000 ~ 1100N/mm2		1100 ~ 1300N/mm2	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
	2	7800	85	6500	70	5200	55	3600	45	2300
3	5500	125	4600	105	3600	65	2600	55	2100	55
4	5000	160	4200	135	3300	95	2200	65	1800	65
5	4500	180	3800	155	2800	110	1900	75	1600	65
6	4000	260	3400	220	2500	165	1700	110	1400	90
8	3000	290	2500	240	1900	175	1250	120	1000	100
10	2400	300	2000	250	1500	185	1000	130	850	110
12	2000	310	1700	260	1300	200	850	130	700	110
14	1700	300	1400	250	1100	185	750	125	600	105
16	1500	290	1250	240	950	175	625	120	520	100
18	1300	270	1100	230	850	170	550	115	480	95
20	1200	260	1000	220	750	165	500	110	420	95
22	1100	270	900	230	700	170	450	115	380	95
25	950	290	800	240	600	185	400	120	340	105

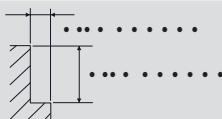


RPM=REVOLUTION PER MIN.
FEED=mm/min.

4 FLUTE, SHORT, SIDE CUTTING

• EP938

MATERIAL	STRUCTURAL STEELS CARBON STEELS		STRUCTURAL STEELS CARBON STEELS CAST IRONS		CARBON STEELS ALLOY STEELS TOOL STEELS		PREHARDENED STEELS ALLOY STEELS TOOL STEELS		ALLOY STEELS TOOL STEELS AUSTENITIC STAINLESS STEELS	
	HARDNESS		~ HRc20		HRc20 ~ HRc30		HRc30 ~ HRc35		HRc35 ~ HRc40	
STRENGTH	~ 500N/mm2		500 ~ 800N/mm2		800 ~ 1000N/mm2		1000 ~ 1100N/mm2		1100 ~ 1300N/mm2	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
	2	8800	250	8000	210	5800	150	3900	110	3200
3	6300	360	5700	300	4200	220	2800	155	2300	110
4	5000	420	4500	350	3400	260	2200	175	1900	130
5	4200	440	3800	370	2800	275	1900	190	1600	140
6	3700	470	3400	390	2500	285	1700	200	1400	155
8	3000	500	2500	420	1900	320	1300	210	1100	160
10	2200	550	2000	460	1500	330	1000	230	850	175
12	1900	500	1700	420	1300	320	850	210	690	160
14	1700	480	1500	400	1100	300	750	200	600	150
16	1550	440	1300	370	950	290	650	190	520	145
18	1400	400	1200	350	850	270	600	170	480	130
20	1200	380	1000	320	750	240	500	155	420	120
22	1000	360	900	280	650	220	450	140	380	115
25	950	320	800	265	600	200	400	130	340	110



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