

2 FLUTE, SHORT LENGTH END MILL 2 SCHNEIDEN FRÄSER, KURZ

SERIES EP936

FLAT SHANK

SEITLICHEN MITNAHNEFLÄCHEN

PREMIUM
PM

30°

FLUTE
2

DIN
327

DIN1835B

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P.97



- Two-Flute design for slotting.
2 - Schneiden, Geeignet für Nutenfräsen.
- Suitable 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 e8	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
EP936010	1.0	6	2.5	47
EP936020	2.0	6	4	48
EP936030	3.0	6	5	49
EP936040	4.0	6	7	51
EP936050	5.0	6	8	52
EP936060	6.0	6	8	52
EP936070	7.0	10	10	60
EP936080	8.0	10	11	61
EP936090	9.0	10	11	61
EP936100	10.0	10	13	63
EP936120	12.0	12	16	73
EP936140	14.0	12	16	73
EP936160	16.0	16	19	79
EP936180	18.0	16	19	79
EP936200	20.0	20	22	88
EP936220	22.0	20	22	88
EP936250	25.0	25	26	102

- Uncoated end mills are available on your request.

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

Toleranzwerte in • / Tolerance range in • •					
Nennmaßbereich 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
e8	• .14 • .28	• .20 • .38	• .25 • .47	• .32 • .59	• .40 • .73
h6	• 0 • .6	• 0 • .8	• 0 • .9	• 0 • .11	• 0 • .13

2 FLUTE, SHORT, SLOTTING

• EP936

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	6700	100	5600	80	4700	70	3000	55	1900	35
3	4700	140	3900	120	3200	100	2200	70	1700	55
4	4100	200	3400	155	3000	140	1900	80	1500	65
5	3700	220	3100	175	2500	160	1600	90	1300	65
6	3300	230	2750	185	2200	165	1400	95	1100	75
8	2500	240	2100	210	1700	175	1100	100	850	75
10	2000	260	1700	230	1400	200	850	110	670	90
12	1700	240	1400	210	1100	180	700	100	550	75
14	1500	230	1200	200	950	170	600	95	480	70
16	1300	230	1100	185	850	155	530	90	420	70
18	1100	210	900	170	750	140	480	85	380	65
20	900	190	750	145	670	130	420	80	340	60
22	800	160	680	130	570	110	380	70	300	50
25	720	135	600	120	470	100	340	65	240	45



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

3 FLUTE, STUB, SLOTTING

• 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	6200	60	5200	50	4600	40	2900	30	1800	25
3	4400	90	3700	75	3200	45	2100	40	1700	40
4	4100	120	3400	100	2900	70	1800	45	1450	50
5	3600	140	3000	115	2500	80	1600	55	1250	50
6	3200	200	2700	165	2200	120	1400	80	1050	65
8	2500	210	2100	180	1700	130	1100	90	850	75
10	2000	220	1700	185	1350	140	850	100	650	80
12	1700	240	1400	200	1150	150	700	100	550	80
14	1500	220	1300	190	950	140	630	95	480	75
16	1300	210	1100	180	850	130	530	90	420	75
18	1100	210	850	170	750	130	480	85	380	70
20	900	200	750	165	670	120	420	80	340	70
22	800	200	700	170	570	130	380	85	300	75
25	720	210	600	180	470	140	340	90	240	75



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