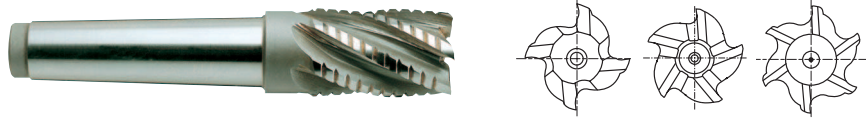


HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING & FINISHING
HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPSCHLICHTFRÄSER



HSS Co8
DIN 845
NF
ROUGHING & FINISHING
4-6
30°
DIN 228A
P.1260, 1261

Unit : mm

EDP No.		Mill Diameter	Length of Cut	Overall Length	Morse Taper No.	No. of Flute
UNCOATED	TiAIN					
E2779160	EQ779160	16.0	32	117	2	4
E2779180	EQ779180	18.0	32	117	2	4
E2779200	EQ779200	20.0	38	123	2	4
E2779220	EQ779220	22.0	38	123	2	5
E2779240	EQ779240	24.0	45	147	3	5
E2779250	EQ779250	25.0	45	147	3	5
E2779260	EQ779260	26.0	45	147	3	5
E2779280	EQ779280	28.0	45	147	3	6
E2779300	EQ779300	30.0	45	147	3	6
E2779320	EQ779320	32.0	53	178	4	6
E2779350	EQ779350	35.0	53	178	4	6
E2779360	EQ779360	36.0	53	178	4	6
E2779380	EQ779380	38.0	63	188	4	6
E2779400	EQ779400	40.0	63	188	4	6
E2779450	EQ779450	45.0	63	188	4	6
E2779500	EQ779500	50.0	75	233	5	6

▶ Other shank design on your request.
▶ TiN-COATING & TiCN-COATING are available on your request.

Mill Dia. Tolerance(mm)
±0.120

◎ : Excellent ○ : Good

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

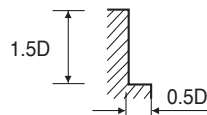


HSSCo8, MULTI FLUTE ROUGHING & FINISHING - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPSCHLICHTFRÄSER - SEITENFRÄSEN

E2779 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
	~ 500N/mm ²				500 ~ 800N/mm ²				800 ~ 1000N/mm ²			
HARDNESS					~ HRC20				HRC20 ~ HRC30			
STRENGTH												
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
16.0	700	145	35	0.052	560	110	30	0.049	450	90	25	0.050
18.0	630	145	35	0.058	500	110	30	0.055	400	90	25	0.056
20.0	560	145	35	0.065	450	110	30	0.061	400	90	25	0.056
22.0	500	175	35	0.070	450	135	30	0.060	350	110	25	0.063
25.0	450	175	35	0.078	400	135	30	0.068	310	110	25	0.071
28.0	400	170	35	0.071	350	130	30	0.062	280	105	25	0.063
30.0	350	170	35	0.081	310	130	30	0.070	250	105	25	0.070
32.0	350	170	35	0.081	280	130	30	0.077	220	105	25	0.080
36.0	310	170	35	0.091	250	130	30	0.087	200	105	25	0.088
40.0	280	160	35	0.095	220	120	30	0.091	180	95	25	0.088
45.0	250	150	35	0.099	210	125	30	0.099	180	95	25	0.088
50.0	220	145	35	0.110	190	120	30	0.106	160	90	25	0.094

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				ALUMINUM ALUMINUM ALLOYS			
	HRC30 ~ HRC40							
STRENGTH	1000 ~ 1300N/mm ²							
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
16.0	280	55	15	0.049	1600	360	80	0.056
18.0	250	55	15	0.055	1400	380	80	0.068
20.0	220	55	15	0.063	1200	400	80	0.083
22.0	220	70	15	0.064	1100	380	80	0.069
25.0	180	70	15	0.078	1000	360	80	0.072
28.0	160	70	15	0.073	900	410	80	0.076
30.0	160	70	15	0.073	900	420	85	0.078
32.0	140	70	15	0.083	800	400	80	0.083
36.0	120	70	15	0.097	700	380	80	0.090
40.0	110	65	15	0.098	630	360	80	0.095
45.0	100	60	15	0.099	560	330	80	0.100
50.0	90	55	15	0.100	500	330	80	0.110



※ The FEED, in long & extra long types, should be reduced by around 50%

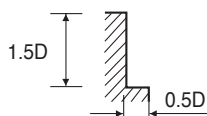
RPM = rev./min.
FEED = mm/min.
Vc = m/min.
fz = mm/t

HSSCo8, MULTI FLUTE ROUGHING & FINISHING TiAIN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPSCHLICHTFRÄSER TiAIN-BESCHICHTET - SEITENFRÄSEN

E2779 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS					~ HRC20				HRc20 ~ HRc30			
STRENGTH	~ 500N/mm ²				500 ~ 800N/mm ²				800 ~ 1000N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
16.0	1000	205	50	0.051	800	155	40	0.048	650	125	35	0.048
18.0	900	205	50	0.057	700	155	40	0.055	550	125	30	0.057
20.0	800	205	50	0.064	650	155	40	0.060	550	125	35	0.057
22.0	700	245	50	0.070	650	190	45	0.058	500	155	35	0.062
25.0	650	245	50	0.075	550	190	45	0.069	450	155	35	0.069
28.0	550	240	50	0.073	500	180	45	0.060	400	145	35	0.060
30.0	500	240	50	0.080	450	180	40	0.067	350	145	35	0.069
32.0	500	240	50	0.080	400	180	40	0.075	300	145	30	0.081
36.0	450	240	50	0.089	350	180	40	0.086	280	145	30	0.086
40.0	400	225	50	0.094	300	170	40	0.094	250	135	30	0.090
45.0	350	205	50	0.099	280	170	40	0.102	210	115	30	0.094
50.0	310	190	50	0.104	250	165	40	0.110	190	110	30	0.099

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				ALUMINUM ALUMINUM ALLOYS			
HARDNESS	HRc30 ~ HRc40							
STRENGTH	1000 ~ 1300N/mm ²							
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
16.0	400	75	20	0.047	2250	505	115	0.056
18.0	350	75	20	0.054	1950	530	110	0.068
20.0	300	75	20	0.063	1700	560	105	0.082
22.0	300	100	20	0.067	1550	530	105	0.068
25.0	250	100	20	0.080	1400	505	110	0.072
28.0	200	100	20	0.083	1250	575	110	0.077
30.0	200	100	20	0.083	1250	590	120	0.079
32.0	170	100	15	0.098	1100	560	110	0.085
36.0	150	100	15	0.111	1000	530	115	0.088
40.0	150	90	20	0.100	900	505	115	0.094
45.0	140	85	20	0.103	810	485	115	0.100
50.0	120	75	20	0.106	730	460	115	0.106



※ The FEED, in long & extra long types, should be reduced by around 50%

RPM = rev./min.
FEED = mm/min.
Vc = m/min.
fz = mm/t