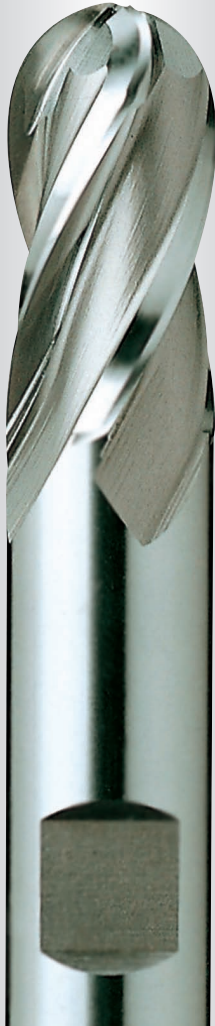


HSS



Being the best through innovation

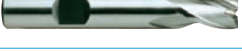
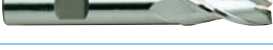
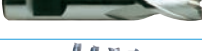
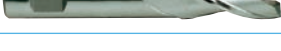
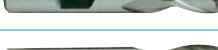
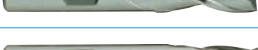
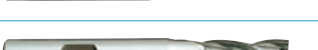
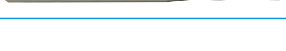


HSS

HSS FRÄSER

- General Purpose, Non-coated, Any Coating Available
- Unbeschichtet für allgemeinen Einsatz. Jegliche Beschichtung möglich

SELECTION GUIDE

ITEM	MODEL	DESCRIPTION	SIZE		PAGE
			MIN	MAX	
E2570		HSSCo8, 2 FLUTE SHORT LENGTH HSSCo8, 2 SCHNEIDEN KURZ	D1.0	D40.0	1174
E2571		HSSCo8, 2 FLUTE LONG LENGTH HSSCo8, 2 SCHNEIDEN LANG	D1.5	D40.0	1177
E2510		HSSCo8, 2 FLUTE EXTRA LONG LENGTH HSSCo8, 2 SCHNEIDEN EXTRA LANG	D2.5	D40.0	1179
E2464		HSSCo8, 2 FLUTE 42° HELIX SHORT LENGTH for ALUMINUM HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE KURZ für ALUMINIUM	D1.0	D32.0	1180
E2509		HSSCo8, 2 FLUTE 42° HELIX LONG LENGTH for ALUMINUM HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE LANG für ALUMINIUM	D2.0	D20.0	1182
EL612		HSS-E, 1 FLUTE for ALUMINUM HSS-E, 1 SCHNEIDEN für ALUMINIUM	D3.0	D10.0	1183
EL623		HSS-E, 1 FLUTE HSS-E, 1 SCHNEIDEN	D3.0	D10.0	1184
E2572		HSSCo8, 3 FLUTE STUB LENGTH HSSCo8, 3 SCHNEIDEN EXTRA KURZ	D1.5	D32.0	1185
E2573		HSSCo8, 3 FLUTE SHORT LENGTH HSSCo8, 3 SCHNEIDEN KURZ	D1.0	D40.0	1186
E2516		HSSCo8, 3 FLUTE LONG LENGTH HSSCo8, 3 SCHNEIDEN LANG	D2.0	D40.0	1188
E2553		HSSCo8, 3 FLUTE SHORT LENGTH THROW AWAY HSSCo8, 3 SCHNEIDEN KURZ EINWEGFRÄSER	D1.0	D20.0	1190
E2SET553		HSSCo8, THROW AWAY SET (NON-COATED) HSSCo8, EINWEG-SCHAFTFRÄSER SET (NICHT-BESCHICHTET)	D2.0	D10.0	1191
E2554		HSSCo8, 3 FLUTE LONG LENGTH THROW AWAY HSSCo8, 3 SCHNEIDEN LANG EINWEGFRÄSER	D1.5	D10.0	1192
E2551		HSSCo8, 3 FLUTE SHORT LENGTH THROW AWAY HSSCo8, 3 SCHNEIDEN KURZ EINWEGFRÄSER	D1.0	D10.0	1193
E2552		HSSCo8, 3 FLUTE LONG LENGTH THROW AWAY HSSCo8, 3 SCHNEIDEN LANG EINWEGFRÄSER	D1.5	D10.0	1194
E2574 E2575		HSSCo8, 4&6 FLUTE SHORT LENGTH HSSCo8, 4&6 SCHNEIDEN KURZ	D2.0 D21.0	D20.0 D40.0	1195
E2576 E2577		HSSCo8, 4&6 FLUTE LONG LENGTH HSSCo8, 4&6 SCHNEIDEN LANG	D2.0 D22.0	D20.0 D40.0	1196
E2595 E2596		HSSCo8, 4&6 FLUTE SHORT LENGTH - CENTER CUTTING HSSCo8, 4&6 SCHNEIDEN KURZ	D2.0 D22.0	D25.0 D40.0	1197

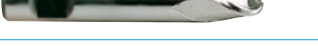
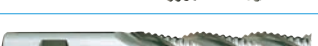
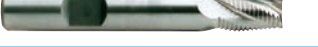
GENERAL HSS END MILLS

◎ : 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									
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SELECTION GUIDE

ITEM	MODEL	DESCRIPTION	SIZE		PAGE
			MIN	MAX	
E2597 E2598		HSSCo8, 4&6 FLUTE LONG LENGTH - CENTER CUTTING HSSCo8, 4&6 SCHNEIDEN LANG	D2.0 D22.0	D20.0 D40.0	1198
E2461 E2462 E2463		HSSCo8, MULTI FLUTE 50° HELIX SHORT LENGTH HSSCo8, MULTI SCHNEIDEN 50° RECHTSSPIRALE KURZ	D2.0 D6.0 D22.0	D5.0 D23.0 D30.0	1199
E2535		HSSCo8, 2 FLUTE SHORT LENGTH BALL NOSE HSSCo8, 2 SCHNEIDEN KURZ STIRNRADIUS	R1.0	R16.0	1200
E2492		HSSCo8, 2 FLUTE LONG LENGTH BALL NOSE HSSCo8, 2 SCHNEIDEN LANG STIRNRADIUS	R1.0	R15.0	1201
E2410		HSSCo8, 4&6 FLUTE SHORT LENGTH BALL NOSE HSSCo8, 4&6 SCHNEIDEN KURZ STIRNRADIUS	R3.0	R12.5	1202
E2429		HSSCo8, 4&6 FLUTE LONG LENGTH BALL NOSE HSSCo8, 4&6 SCHNEIDEN LANG STIRNRADIUS	R5.0	R12.5	1203
E2512		HSSCo8, 3 FLUTE SHORT LENGTH BALL NOSE THROW AWAY HSSCo8, 3 SCHNEIDEN KURZ STIRNRADIUS EINWEGFRÄSER	R1.0	R3.0	1204
E2751		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - COARSE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFÄSER - GROB	D6.0	D50.0	1205
E2752		HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING - COARSE HSSCo8, MULTI SCHNEIDEN LANG SCHRUPPFÄSER - GROB	D6.0	D40.0	1207
E2751 E2764		HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING - COARSE HSSCo8, 3 SCHNEIDEN KURZ SCHRUPPFÄSER - GROB	D6.0 D10.0	D8.0 D40.0	1208
E2752 E2765		HSSCo8, 3 FLUTE LONG LENGTH ROUGHING - COARSE HSSCo8, 3 SCHNEIDEN LANG SCHRUPPFÄSER - GROB	D6.0 D10.0	D8.0 D40.0	1209
E2755		HSSCo8, 3 FLUTE 37° HELIX SHORT LENGTH ROUGHING for ALUMINIUM HSSCo8, 3 SCHNEIDEN 37° RECHTSSPIRALE KURZ SCHRUPPFÄSER für ALUMINIUM	D6.0	D30.0	1210
E2756		HSSCo8, 3 FLUTE 37° HELIX LONG LENGTH ROUGHING for ALUMINIUM HSSCo8, 3 SCHNEIDEN 37° RECHTSSPIRALE LANG SCHRUPPFÄSER für ALUMINIUM	D10.0	D30.0	1211
E2757		HSSCo8, 3&4 FLUTE SHORT LENGTH ROUGHING BALL NOSE - COARSE HSSCo8, 3&4 SCHNEIDEN KURZ SCHRUPPFÄSER STIRNRADIUS - GROB	R3.0	R20.0	1212
E2761		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - EXTRA FINE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFÄSER - EXTRA FEIN	D6.0	D25.0	1213
E2524		HSSCo8, 3&4 FLUTE STUB LENGTH ROUGHING - FINE HSSCo8, 3&4 SCHNEIDEN EXTRA KURZ SCHRUPPFÄSER - FEIN	D6.0	D20.0	1214
E2606		HSSCo8, 3&4 FLUTE SHORT LENGTH ROUGHING BALL NOSE - FINE HSSCo8, 3&4 SCHNEIDEN KURZ SCHRUPPFÄSER STIRNRADIUS - FEIN	R3.0	R20.0	1215
E2753		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - FINE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFÄSER - FEIN	D6.0	D40.0	1216

◎ : Excellent ○ : Good

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SELECTION GUIDE

ITEM	MODEL	DESCRIPTION	SIZE		PAGE
			MIN	MAX	
E2762		HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING - FINE HSSCo8, MULTI SCHNEIDEN LANG SCHRUPPFÄSER - FEIN	D6.0	D40.0	1217
E2754		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING & FINISHING HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPSCHLICHTFRÄSER	D6.0	D40.0	1218
E2768		HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING & FINISHING HSSCo8, MULTI SCHNEIDEN LANG SCHRUPPSCHLICHTFRÄSER	D6.0	D45.0	1219
E2766		HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING & FINISHING HSSCo8, 3 SCHNEIDEN KURZ SCHRUPPSCHLICHTFRÄSER	D6.0	D40.0	1220
E2767		HSSCo8, 3 FLUTE LONG LENGTH ROUGHING & FINISHING HSSCo8, 3 SCHNEIDEN LANG SCHRUPPSCHLICHTFRÄSER	D6.0	D40.0	1221
E2776		HSSCo8, MULTI FLUTE SHORT LENGTH HSSCo8, MULTI SCHNEIDEN KURZ	D14.0	D50.0	1222
E2777		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - COARSE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFÄSER - GROB	D14.0	D50.0	1223
E2778		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - FINE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFÄSER - FEIN	D16.0	D50.0	1224
E2779		HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING & FINISHING HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPSCHLICHTFRÄSER	D16.0	D50.0	1225
E3570		HSS-PM, 2 FLUTE SHORT LENGTH HSS-PM, 2 SCHNEIDEN KURZ	D2.0	D30.0	1226
E3574 E3575		HSS-PM, 4&6 FLUTE SHORT LENGTH HSS-PM, 4&6 SCHNEIDEN KURZ	D2.0 D22.0	D20.0 D30.0	1227
E3462 E3463		HSS-PM, 3&4 FLUTE 60° HELIX SHORT LENGTH HSS-PM, 3&4 SCHNEIDEN 60° RECHTSSPIRALE KURZ	D6.0 D25.0	D20.0 D30.0	1228
E9410		PREMIUM HSS-PM, 2 FLUTE SHORT LENGTH PREMIUM HSS-PM, 2 SCHNEIDEN KURZ	D2.0	D25.0	1229
E9720		PREMIUM HSS-PM, MULTI FLUTE SHORT LENGTH ROUGHING - FINE PREMIUM HSS-PM, MULTI SCHNEIDEN SCHRUPPFÄSER KURZ - FEIN	D6.0	D30.0	1230
RECOMMENDED CUTTING CONDITIONS EMPFOHLENE SCHNEIDKONDITIONEN					1231

GENERAL HSS END MILLS

◎ : 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									
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E2570 SERIES

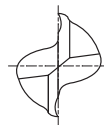
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ570 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 2 FLUTE SHORT LENGTH

HSSCo8, 2 SCHNEIDEN KURZ



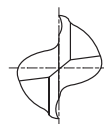
Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2570010	C2GRS-010AF	EQ570010	R2GRS-010AF	1.0	6	2.5	47
E2570015	C2GRS-015AF	EQ570015	R2GRS-015AF	1.5	6	3	47
E2570020	C2GRS-020AF	EQ570020	R2GRS-020AF	2.0	6	4	48
E2570025	C2GRS-025AF	EQ570025	R2GRS-025AF	2.5	6	5	49
E2570028	C2GRS-028AF	EQ570028	R2GRS-028AF	2.8	6	5	49
E2570030	C2GRS-030AF	EQ570030	R2GRS-030AF	3.0	6	5	49
E2570035	C2GRS-035AF	EQ570035	R2GRS-035AF	3.5	6	6	50
E2570038	C2GRS-038AF	EQ570038	R2GRS-038AF	3.8	6	7	51
E2570040	C2GRS-040AF	EQ570040	R2GRS-040AF	4.0	6	7	51
E2570045	C2GRS-045AF	EQ570045	R2GRS-045AF	4.5	6	7	51
E2570048	C2GRS-048AF	EQ570048	R2GRS-048AF	4.8	6	8	52
E2570050	C2GRS-050AF	EQ570050	R2GRS-050AF	5.0	6	8	52
E2570055	C2GRS-055AF	EQ570055	R2GRS-055AF	5.5	6	8	52
E2570957	C2GRS-0575AF	EQ570957	R2GRS-0575AF	5.75	6	8	52
E2570060	C2GRS-060AF	EQ570060	R2GRS-060AF	6.0	6	8	52
E2570065	C2GRS-065TF	EQ570065	R2GRS-065TF	6.5	10	10	60
E2570967	C2GRS-0675TF	EQ570967	R2GRS-0675TF	6.75	10	10	60
E2570070	C2GRS-070TF	EQ570070	R2GRS-070TF	7.0	10	10	60
E2570075	C2GRS-075TF	EQ570075	R2GRS-075TF	7.5	10	10	60
E2570977	C2GRS-0775TF	EQ570977	R2GRS-0775TF	7.75	10	11	61
E2570080	C2GRS-080TF	EQ570080	R2GRS-080TF	8.0	10	11	61
E2570085	C2GRS-085TF	EQ570085	R2GRS-085TF	8.5	10	11	61
E2570087	C2GRS-087TF	EQ570087	R2GRS-087TF	8.7	10	11	61
E2570090	C2GRS-090TF	EQ570090	R2GRS-090TF	9.0	10	11	61
E2570095	C2GRS-095TF	EQ570095	R2GRS-095TF	9.5	10	11	61
E2570097	C2GRS-097TF	EQ570097	R2GRS-097TF	9.7	10	13	63
E2570100	C2GRS-100TF	EQ570100	R2GRS-100TF	10.0	10	13	63

◎ : 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									
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HSSCo8, 2 FLUTE SHORT LENGTH HSSCo8, 2 SCHNEIDEN KURZ



P.1231, 1232

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2570105	C2GRS-105DF	EQ570105	R2GRS-105DF	10.5	12	13	70
E2570107	C2GRS-107DF	EQ570107	R2GRS-107DF	10.7	12	13	70
E2570110	C2GRS-110DF	EQ570110	R2GRS-110DF	11.0	12	13	70
E2570115	C2GRS-115DF	EQ570115	R2GRS-115DF	11.5	12	13	70
E2570117	C2GRS-117DF	EQ570117	R2GRS-117DF	11.7	12	16	73
E2570120	C2GRS-120DF	EQ570120	R2GRS-120DF	12.0	12	16	73
E2570125	C2GRS-125DF	EQ570125	R2GRS-125DF	12.5	12	16	73
E2570127	C2GRS-127DF	EQ570127	R2GRS-127DF	12.7	12	16	73
E2570130	C2GRS-130DF	EQ570130	R2GRS-130DF	13.0	12	16	73
E2570135	C2GRS-135DF	EQ570135	R2GRS-135DF	13.5	12	16	73
E2570137	C2GRS-137DF	EQ570137	R2GRS-137DF	13.7	12	16	73
E2570140	C2GRS-140DF	EQ570140	R2GRS-140DF	14.0	12	16	73
E2570147	C2GRS-147DF	EQ570147	R2GRS-147DF	14.7	12	16	73
E2570150	C2GRS-150DF	EQ570150	R2GRS-150DF	15.0	12	16	73
E2570157	C2GRS-157EF	EQ570157	R2GRS-157EF	15.7	16	19	79
E2570160	C2GRS-160EF	EQ570160	R2GRS-160EF	16.0	16	19	79
E2570167	C2GRS-167EF	EQ570167	R2GRS-167EF	16.7	16	19	79
E2570170	C2GRS-170EF	EQ570170	R2GRS-170EF	17.0	16	19	79
E2570177	C2GRS-177EF	EQ570177	R2GRS-177EF	17.7	16	19	79
E2570180	C2GRS-180EF	EQ570180	R2GRS-180EF	18.0	16	19	79
E2570190	C2GRS-190EF	EQ570190	R2GRS-190EF	19.0	16	19	79
E2570197	C2GRS-197FF	EQ570197	R2GRS-197FF	19.7	20	22	88
E2570920	C2GRS-200EF	EQ570920	R2GRS-200EF	20.0	16	22	82
E2570200	C2GRS-200FF	EQ570200	R2GRS-200FF	20.0	20	22	88
E2570210	C2GRS-210FF	EQ570210	R2GRS-210FF	21.0	20	22	88
E2570220	C2GRS-220FF	EQ570220	R2GRS-220FF	22.0	20	22	88
E2570922	C2GRS-220GF	EQ570922	R2GRS-220GF	22.0	25	22	98

◎ : 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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2570 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ570 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 2 FLUTE SHORT LENGTH

HSSCo8, 2 SCHNEIDEN KURZ



P.1231, 1232

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2570240	C2GRS-240GF	EQ570240	R2GRS-240GF	24.0	25	26	102
E2570250	C2GRS-250GF	EQ570250	R2GRS-250GF	25.0	25	26	102
E2570260	C2GRS-260GF	EQ570260	R2GRS-260GF	26.0	25	26	102
E2570270	C2GRS-270GF	EQ570270	R2GRS-270GF	27.0	25	26	102
E2570280	C2GRS-280GF	EQ570280	R2GRS-280GF	28.0	25	26	102
E2570290	C2GRS-290GF	EQ570290	R2GRS-290GF	29.0	25	26	102
E2570300	C2GRS-300GF	EQ570300	R2GRS-300GF	30.0	25	26	102
E2570320	C2GRS-320HF	EQ570320	R2GRS-320HF	32.0	32	32	112
E2570340	C2GRS-340HF	EQ570340	R2GRS-340HF	34.0	32	32	112
E2570350	C2GRS-350HF	EQ570350	R2GRS-350HF	35.0	32	32	112
E2570360	C2GRS-360HF	EQ570360	R2GRS-360HF	36.0	32	32	112
E2570380	C2GRS-380HF	EQ570380	R2GRS-380HF	38.0	32	38	118
E2570938	C2GRS-380IF	EQ570938	R2GRS-380IF	38.0	40	38	130
E2570400	C2GRS-400HF	EQ570400	R2GRS-400HF	40.0	32	38	118
E2570903	C2GRS-400IF	EQ570903	R2GRS-400IF	40.0	40	38	130

► Other shank design on your request.

► TIN-COATING & TICN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

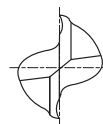
◎ : Excellent ○ : Good

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									
◎	◎	○							○					

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YG-1 CO., LTD.

HSSCo8, 2 FLUTE LONG LENGTH HSSCo8, 2 SCHNEIDEN LANG



P.1231, 1232

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2571015	C2GLS-015AF	EQ571015	R2GLS-015AF	1.5	6	7	51
E2571020	C2GLS-020AF	EQ571020	R2GLS-020AF	2.0	6	7	51
E2571025	C2GLS-025AF	EQ571025	R2GLS-025AF	2.5	6	8	52
E2571030	C2GLS-030AF	EQ571030	R2GLS-030AF	3.0	6	8	52
E2571035	C2GLS-035AF	EQ571035	R2GLS-035AF	3.5	6	10	54
E2571040	C2GLS-040AF	EQ571040	R2GLS-040AF	4.0	6	11	55
E2571045	C2GLS-045AF	EQ571045	R2GLS-045AF	4.5	6	11	55
E2571050	C2GLS-050AF	EQ571050	R2GLS-050AF	5.0	6	13	57
E2571055	C2GLS-055AF	EQ571055	R2GLS-055AF	5.5	6	13	57
E2571060	C2GLS-060AF	EQ571060	R2GLS-060AF	6.0	6	13	57
E2571065	C2GLS-065TF	EQ571065	R2GLS-065TF	6.5	10	16	66
E2571070	C2GLS-070TF	EQ571070	R2GLS-070TF	7.0	10	16	66
E2571075	C2GLS-075TF	EQ571075	R2GLS-075TF	7.5	10	16	66
E2571080	C2GLS-080TF	EQ571080	R2GLS-080TF	8.0	10	19	69
E2571085	C2GLS-085TF	EQ571085	R2GLS-085TF	8.5	10	19	69
E2571090	C2GLS-090TF	EQ571090	R2GLS-090TF	9.0	10	19	69
E2571095	C2GLS-095TF	EQ571095	R2GLS-095TF	9.5	10	19	69
E2571100	C2GLS-100TF	EQ571100	R2GLS-100TF	10.0	10	22	72
E2571110	C2GLS-110DF	EQ571110	R2GLS-110DF	11.0	12	22	79
E2571120	C2GLS-120DF	EQ571120	R2GLS-120DF	12.0	12	26	83
E2571130	C2GLS-130DF	EQ571130	R2GLS-130DF	13.0	12	26	83
E2571140	C2GLS-140DF	EQ571140	R2GLS-140DF	14.0	12	26	83
E2571150	C2GLS-150DF	EQ571150	R2GLS-150DF	15.0	12	26	83
E2571160	C2GLS-160EF	EQ571160	R2GLS-160EF	16.0	16	32	92
E2571180	C2GLS-180EF	EQ571180	R2GLS-180EF	18.0	16	32	92

◎ : 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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2571 SERIES

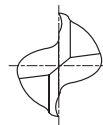
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ571 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 2 FLUTE LONG LENGTH

HSSCo8, 2 SCHNEIDEN LANG



P.1231, 1232

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2571200	C2GLS-200FF	EQ571200	R2GLS-200FF	20.0	20	38	104
E2571220	C2GLS-220FF	EQ571220	R2GLS-220FF	22.0	20	38	104
E2571240	C2GLS-240GF	EQ571240	R2GLS-240GF	24.0	25	45	121
E2571250	C2GLS-250GF	EQ571250	R2GLS-250GF	25.0	25	45	121
E2571260	C2GLS-260GF	EQ571260	R2GLS-260GF	26.0	25	45	121
E2571270	C2GLS-270GF	EQ571270	R2GLS-270GF	27.0	25	45	121
E2571280	C2GLS-280GF	EQ571280	R2GLS-280GF	28.0	25	45	121
E2571300	C2GLS-300GF	EQ571300	R2GLS-300GF	30.0	25	45	121
E2571320	C2GLS-320HF	EQ571320	R2GLS-320HF	32.0	32	53	133
E2571400	C2GLS-400IF	EQ571400	R2GLS-400IF	40.0	40	63	155

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
◎	◎	○							○					

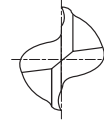
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YG-1 CO., LTD.

**E2510** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ510** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 2 FLUTE EXTRA LONG LENGTH

HSSCo8, 2 SCHNEIDEN EXTRA LANG



P.1231, 1232

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2510025	C2GXS-025AF	EQ510025	R2GXS-025AF	2.5	6	8	56
E2510030	C2GXS-030AF	EQ510030	R2GXS-030AF	3.0	6	8	56
E2510035	C2GXS-035AF	EQ510035	R2GXS-035AF	3.5	6	10	59
E2510040	C2GXS-040AF	EQ510040	R2GXS-040AF	4.0	6	11	63
E2510045	C2GXS-045AF	EQ510045	R2GXS-045AF	4.5	6	11	63
E2510050	C2GXS-050AF	EQ510050	R2GXS-050AF	5.0	6	13	68
E2510055	C2GXS-055AF	EQ510055	R2GXS-055AF	5.5	6	13	68
E2510060	C2GXS-060AF	EQ510060	R2GXS-060AF	6.0	6	13	68
E2510065	C2GXS-065TF	EQ510065	R2GXS-065TF	6.5	10	16	80
E2510070	C2GXS-070TF	EQ510070	R2GXS-070TF	7.0	10	16	80
E2510080	C2GXS-080TF	EQ510080	R2GXS-080TF	8.0	10	19	88
E2510085	C2GXS-085TF	EQ510085	R2GXS-085TF	8.5	10	19	88
E2510090	C2GXS-090TF	EQ510090	R2GXS-090TF	9.0	10	19	88
E2510100	C2GXS-100TF	EQ510100	R2GXS-100TF	10.0	10	22	95
E2510120	C2GXS-120DF	EQ510120	R2GXS-120DF	12.0	12	26	110
E2510140	C2GXS-140DF	EQ510140	R2GXS-140DF	14.0	12	26	110
E2510160	C2GXS-160EF	EQ510160	R2GXS-160EF	16.0	16	32	123
E2510180	C2GXS-180EF	EQ510180	R2GXS-180EF	18.0	16	32	123
E2510200	C2GXS-200FF	EQ510200	R2GXS-200FF	20.0	20	38	141
E2510220	C2GXS-220FF	EQ510220	R2GXS-220FF	22.0	20	38	141
E2510240	C2GXS-240GF	EQ510240	R2GXS-240GF	24.0	25	45	166
E2510250	C2GXS-250GF	EQ510250	R2GXS-250GF	25.0	25	45	166
E2510260	C2GXS-260GF	EQ510260	R2GXS-260GF	26.0	25	45	166
E2510280	C2GXS-280GF	EQ510280	R2GXS-280GF	28.0	25	45	166
E2510300	C2GXS-300GF	EQ510300	R2GXS-300GF	30.0	25	45	166
E2510320	C2GXS-320HF	EQ510320	R2GXS-320HF	32.0	32	53	186
E2510360	C2GXS-360HF	EQ510360	R2GXS-360HF	36.0	32	53	186
E2510400	C2GXS-400HF	EQ510400	R2GXS-400HF	40.0	32	63	207
E2510940	C2GXS-400IF	EQ510940	R2GXS-400IF	40.0	40	63	217

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	— 0 — 6	— 0 — 8	— 0 — 9	— 0 — 11	— 0 — 13	— 0 — 16

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

◎ : 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									
◎	◎	○							○					

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

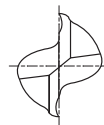
K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS


**HSS
END MILLS**
E2464 SERIES
**FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**

HSSCo8, 2 FLUTE 42° HELIX SHORT LENGTH HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE KURZ

for ALUMINUM
für ALUMINIUM

**HSS
Co8**
**DIN
844**
W
2
42°
**DIN
1835B**


P.1233

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	e8	h6		
E2464010	1.0	6	3	49
E2464015	1.5	6	5	49
E2464020	2.0	6	7	51
E2464025	2.5	6	8	52
E2464030	3.0	6	8	52
E2464035	3.5	6	10	54
E2464040	4.0	6	11	55
E2464045	4.5	6	11	55
E2464050	5.0	6	13	57
E2464055	5.5	6	13	57
E2464060	6.0	6	13	57
E2464065	6.5	10	16	66
E2464070	7.0	10	16	66
E2464075	7.5	10	16	66
E2464080	8.0	10	19	69
E2464085	8.5	10	19	69
E2464090	9.0	10	19	69
E2464100	10.0	10	22	72
E2464110	11.0	12	22	79
E2464120	12.0	12	26	83
E2464130	13.0	12	26	83
E2464140	14.0	12	26	83
E2464150	15.0	12	26	83
E2464160	16.0	16	32	92
E2464170	17.0	16	32	92
E2464180	18.0	16	32	92
E2464190	19.0	16	32	92

◎ : 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									
○									◎					

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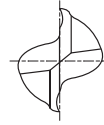
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TECHNICAL
DATA

HSSCo8, 2 FLUTE 42° HELIX SHORT LENGTH

HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE KURZ

for ALUMINUM
für ALUMINIUM



Unit : mm

EDP No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED				
E2464200	20.0	20	38	104
E2464210	21.0	20	38	104
E2464220	22.0	20	38	104
E2464230	23.0	20	38	104
E2464240	24.0	25	45	121
E2464250	25.0	25	45	121
E2464260	26.0	25	45	121
E2464280	28.0	25	45	121
E2464300	30.0	25	45	121
E2464320	32.0	32	53	133

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

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
○									◎					

CARBIDE

HSS

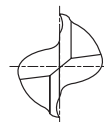


E2509 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 2 FLUTE 42° HELIX LONG LENGTH

HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE LANG

for ALUMINUM**für ALUMINIUM**HSS
Co8DIN
844

W

2

42°

DIN
1835B

P.1233

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	e8	h6		
E2509020	2.0	6	10	54
E2509030	3.0	6	12	56
E2509040	4.0	6	19	63
E2509050	5.0	6	24	68
E2509060	6.0	6	24	68
E2509070	7.0	10	30	80
E2509080	8.0	10	38	88
E2509090	9.0	10	38	88
E2509100	10.0	10	45	95
E2509110	11.0	12	45	102
E2509120	12.0	12	53	110
E2509130	13.0	12	53	110
E2509140	14.0	12	53	110
E2509150	15.0	12	53	110
E2509160	16.0	16	63	123
E2509180	18.0	16	63	123
E2509200	20.0	20	75	141

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	— 0 — 6	— 0 — 8	— 0 — 9	— 0 — 11	— 0 — 13	— 0 — 16

◎ : 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									
○									◎					

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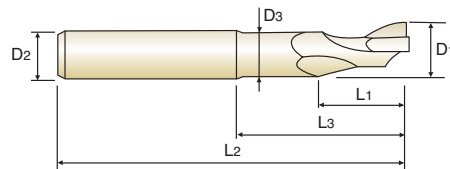
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TECHNICAL
DATA

HSS-E, 1 FLUTE
HSS-E, 1 SCHNEIDEN
for ALUMINUM
für ALUMINIUM


Unit : mm

EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	js14	h6		
EL612030	M1NRA-03001	3.0	8	12	60
EL612040	M1NRA-04001	4.0	8	12	60
EL612050	M1NRA-05001	5.0	8	14	60
EL612060	M1NRA-06001	6.0	8	14	60
EL612070	M1NRA-07001	7.0	8	14	60
EL612080	M1NRA-08001	8.0	8	14	80
EL612090	M1NRA-09001	9.0	8	14	80
EL612100	M1NRA-10001	10.0	8	14	80



Unit : mm

EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	LENGTH BELOW SHANK	Overall Length	NECK DIAMETER
UNCOATED	UNCOATED	D1(js14)	D2(h6)	L1	L3	L2	D3
EL612904	M1NRA-05002	5.0	8	18	35	80	4.8
EL612909	M1NRA-05009	5.0	8	40	—	100	—
EL612932	M1NRA-08007	8.0	8	14	68	120	7.5

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js14	± 125	± 150	± 180	± 215	± 260	± 310
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
○									◎					

CARBIDE

HSS


**HSS
END MILLS**
EL623SERIES

 PLAIN SHANK
GLATTER ZYLINDERSCHAFT

HSS-E, 1 FLUTE

HSS-E, 1 SCHNEIDEN



Unit : mm

EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	js14	h6		
EL623030	M1NRS-03001	3.0	8	12	60
EL623040	M1NRS-04001	4.0	8	12	60
EL623050	M1NRS-05006	5.0	8	12	60
EL623060	M1NRS-06001	6.0	8	14	60
EL623070	M1NRS-07001	7.0	8	14	60
EL623080	M1NRS-08001	8.0	8	14	80
EL623090	M1NRS-09001	9.0	8	14	80
EL623100	M1NRS-10001	10.0	8	14	80

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js14	± 125	± 150	± 180	± 215	± 260	± 310
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

© : 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									
◎	◎								○					

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END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

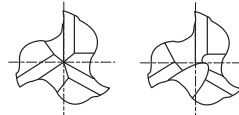
ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

**E2572** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ572** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE STUB LENGTH

HSSCo8, 3 SCHNEIDEN EXTRA KURZ



Up to Ø2.5mm Over Ø2.5mm



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2572015	C3GSC-015AF	EQ572015	R3GSC-015AF	1.5	6	3	47
E2572020	C3GSC-020AF	EQ572020	R3GSC-020AF	2.0	6	4	48
E2572025	C3GSC-025AF	EQ572025	R3GSC-025AF	2.5	6	5	49
E2572030	C3GSC-030AF	EQ572030	R3GSC-030AF	3.0	6	5	49
E2572035	C3GSC-035AF	EQ572035	R3GSC-035AF	3.5	6	6	50
E2572040	C3GSC-040AF	EQ572040	R3GSC-040AF	4.0	6	7	51
E2572045	C3GSC-045AF	EQ572045	R3GSC-045AF	4.5	6	7	51
E2572050	C3GSC-050AF	EQ572050	R3GSC-050AF	5.0	6	8	52
E2572055	C3GSC-055AF	EQ572055	R3GSC-055AF	5.5	6	8	52
E2572060	C3GSC-060AF	EQ572060	R3GSC-060AF	6.0	6	8	52
E2572065	C3GSC-065TF	EQ572065	R3GSC-065TF	6.5	10	10	60
E2572070	C3GSC-070TF	EQ572070	R3GSC-070TF	7.0	10	10	60
E2572075	C3GSC-075TF	EQ572075	R3GSC-075TF	7.5	10	10	60
E2572080	C3GSC-080TF	EQ572080	R3GSC-080TF	8.0	10	11	61
E2572085	C3GSC-085TF	EQ572085	R3GSC-085TF	8.5	10	11	61
E2572100	C3GSC-100TF	EQ572100	R3GSC-100TF	10.0	10	13	63
E2572120	C3GSC-120DF	EQ572120	R3GSC-120DF	12.0	12	16	73
E2572140	C3GSC-140DF	EQ572140	R3GSC-140DF	14.0	12	16	73
E2572150	C3GSC-150DF	EQ572150	R3GSC-150DF	15.0	12	16	73
E2572160	C3GSC-160EF	EQ572160	R3GSC-160EF	16.0	16	19	79
E2572180	C3GSC-180EF	EQ572180	R3GSC-180EF	18.0	16	19	79
E2572200	C3GSC-200FF	EQ572200	R3GSC-200FF	20.0	20	22	88
E2572220	C3GSC-220FF	EQ572220	R3GSC-220FF	22.0	20	22	88
E2572240	C3GSC-240GF	EQ572240	R3GSC-240GF	24.0	25	26	102
E2572250	C3GSC-250GF	EQ572250	R3GSC-250GF	25.0	25	26	102
E2572260	C3GSC-260GF	EQ572260	R3GSC-260GF	26.0	25	26	102
E2572280	C3GSC-280GF	EQ572280	R3GSC-280GF	28.0	25	26	102
E2572300	C3GSC-300GF	EQ572300	R3GSC-300GF	30.0	25	26	102
E2572320	C3GSC-320HF	EQ572320	R3GSC-320HF	32.0	32	32	112

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	— 0 — 6	— 0 — 8	— 0 — 9	— 0 — 11	— 0 — 13	— 0 — 16

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

◎ : 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									
◎	◎	○							○					

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA



E2573 SERIES

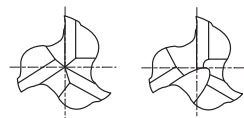
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ573 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE SHORT LENGTH

HSSCo8, 3 SCHNEIDEN KURZ



Up to Ø2.5mm Over Ø2.5mm



P.1234, 1235, 1236, 1237

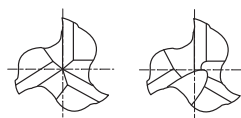
Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2573010	C3GRC-010AF	EQ573010	R3GRC-010AF	1.0	6	3	47
E2573015	C3GRC-015AF	EQ573015	R3GRC-015AF	1.5	6	7	51
E2573020	C3GRC-020AF	EQ573020	R3GRC-020AF	2.0	6	7	51
E2573025	C3GRC-025AF	EQ573025	R3GRC-025AF	2.5	6	8	52
E2573030	C3GRC-030AF	EQ573030	R3GRC-030AF	3.0	6	8	52
E2573035	C3GRC-035AF	EQ573035	R3GRC-035AF	3.5	6	10	54
E2573040	C3GRC-040AF	EQ573040	R3GRC-040AF	4.0	6	11	55
E2573045	C3GRC-045AF	EQ573045	R3GRC-045AF	4.5	6	11	55
E2573050	C3GRC-050AF	EQ573050	R3GRC-050AF	5.0	6	13	57
E2573055	C3GRC-055AF	EQ573055	R3GRC-055AF	5.5	6	13	57
E2573060	C3GRC-060AF	EQ573060	R3GRC-060AF	6.0	6	13	57
E2573065	C3GRC-065TF	EQ573065	R3GRC-065TF	6.5	10	16	66
E2573070	C3GRC-070TF	EQ573070	R3GRC-070TF	7.0	10	16	66
E2573075	C3GRC-075TF	EQ573075	R3GRC-075TF	7.5	10	16	66
E2573080	C3GRC-080TF	EQ573080	R3GRC-080TF	8.0	10	19	69
E2573085	C3GRC-085TF	EQ573085	R3GRC-085TF	8.5	10	19	69
E2573090	C3GRC-090TF	EQ573090	R3GRC-090TF	9.0	10	19	69
E2573095	C3GRC-095TF	EQ573095	R3GRC-095TF	9.5	10	19	69
E2573100	C3GRC-100TF	EQ573100	R3GRC-100TF	10.0	10	22	72
E2573120	C3GRC-120DF	EQ573120	R3GRC-120DF	12.0	12	26	83
E2573140	C3GRC-140DF	EQ573140	R3GRC-140DF	14.0	12	26	83
E2573150	C3GRC-150DF	EQ573150	R3GRC-150DF	15.0	12	26	83
E2573160	C3GRC-160EF	EQ573160	R3GRC-160EF	16.0	16	32	92
E2573180	C3GRC-180EF	EQ573180	R3GRC-180EF	18.0	16	32	92

◎ : 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, 3 FLUTE SHORT LENGTH HSSCo8, 3 SCHNEIDEN KURZ



Up to Ø2.5mm Over Ø2.5mm



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2573200	C3GRC-200FF	EQ573200	R3GRC-200FF	20.0	20	38	104
E2573220	C3GRC-220FF	EQ573220	R3GRC-220FF	22.0	20	38	104
E2573240	C3GRC-240GF	EQ573240	R3GRC-240GF	24.0	25	45	121
E2573250	C3GRC-250GF	EQ573250	R3GRC-250GF	25.0	25	45	121
E2573260	C3GRC-260GF	EQ573260	R3GRC-260GF	26.0	25	45	121
E2573280	C3GRC-280GF	EQ573280	R3GRC-280GF	28.0	25	45	121
E2573300	C3GRC-300GF	EQ573300	R3GRC-300GF	30.0	25	45	121
E2573320	C3GRC-320HF	EQ573320	R3GRC-320HF	32.0	32	53	133
E2573400	C3GRC-400IF	EQ573400	R3GRC-400IF	40.0	40	63	155

▶ Other shank design on your request.

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

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
◎	◎	○							○					



E2516 SERIES

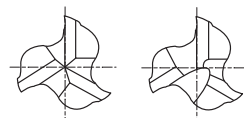
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ516 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE LONG LENGTH

HSSCo8, 3 SCHNEIDEN LANG



Up to Ø2.5mm Over Ø2.5mm



P.1234, 1235, 1236, 1237

Unit : mm

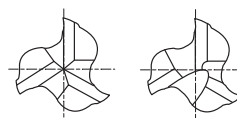
EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2516020	C3GLC-020AF	EQ516020	R3GLC-020AF	2.0	6	10	54
E2516025	C3GLC-025AF	EQ516025	R3GLC-025AF	2.5	6	12	56
E2516030	C3GLC-030AF	EQ516030	R3GLC-030AF	3.0	6	12	56
E2516035	C3GLC-035AF	EQ516035	R3GLC-035AF	3.5	6	15	59
E2516040	C3GLC-040AF	EQ516040	R3GLC-040AF	4.0	6	19	63
E2516045	C3GLC-045AF	EQ516045	R3GLC-045AF	4.5	6	19	63
E2516050	C3GLC-050AF	EQ516050	R3GLC-050AF	5.0	6	24	68
E2516055	C3GLC-055AF	EQ516055	R3GLC-055AF	5.5	6	24	68
E2516060	C3GLC-060AF	EQ516060	R3GLC-060AF	6.0	6	24	68
E2516070	C3GLC-070TF	EQ516070	R3GLC-070TF	7.0	10	30	80
E2516075	C3GLC-075TF	EQ516075	R3GLC-075TF	7.5	10	30	80
E2516080	C3GLC-080TF	EQ516080	R3GLC-080TF	8.0	10	38	88
E2516090	C3GLC-090TF	EQ516090	R3GLC-090TF	9.0	10	38	88
E2516100	C3GLC-100TF	EQ516100	R3GLC-100TF	10.0	10	45	95
E2516110	C3GLC-110DF	EQ516110	R3GLC-110DF	11.0	12	45	102
E2516120	C3GLC-120DF	EQ516120	R3GLC-120DF	12.0	12	53	110
E2516130	C3GLC-130DF	EQ516130	R3GLC-130DF	13.0	12	53	110
E2516140	C3GLC-140DF	EQ516140	R3GLC-140DF	14.0	12	53	110
E2516150	C3GLC-150DF	EQ516150	R3GLC-150DF	15.0	12	53	110
E2516160	C3GLC-160EF	EQ516160	R3GLC-160EF	16.0	16	63	123
E2516170	C3GLC-170EF	EQ516170	R3GLC-170EF	17.0	16	63	123
E2516180	C3GLC-180EF	EQ516180	R3GLC-180EF	18.0	16	63	123
E2516190	C3GLC-190EF	EQ516190	R3GLC-190EF	19.0	16	63	123
E2516901	C3GLC-200EF	EQ516901	R3GLC-200EF	20.0	16	75	135
E2516200	C3GLC-200FF	EQ516200	R3GLC-200FF	20.0	20	75	141
E2516220	C3GLC-220FF	EQ516220	R3GLC-220FF	22.0	20	75	141

◎ : 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, 3 FLUTE LONG LENGTH

HSSCo8, 3 SCHNEIDEN LANG



Up to Ø2.5mm Over Ø2.5mm



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2516240	C3GLC-240GF	EQ516240	R3GLC-240GF	24.0	25	90	166
E2516250	C3GLC-250GF	EQ516250	R3GLC-250GF	25.0	25	90	166
E2516260	C3GLC-260GF	EQ516260	R3GLC-260GF	26.0	25	90	166
E2516280	C3GLC-280GF	EQ516280	R3GLC-280GF	28.0	25	90	166
E2516300	C3GLC-300GF	EQ516300	R3GLC-300GF	30.0	25	90	166
E2516320	C3GLC-320HF	EQ516320	R3GLC-320HF	32.0	32	106	186
E2516350	C3GLC-350HF	EQ516350	R3GLC-350HF	35.0	32	106	186
E2516360	C3GLC-360HF	EQ516360	R3GLC-360HF	36.0	32	106	186
E2516400	C3GLC-400IF	EQ516400	R3GLC-400IF	40.0	40	125	217

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
◎	◎	○							○					



E2553 SERIES

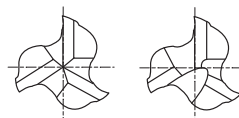
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ553 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE SHORT LENGTH THROW AWAY

HSSCo8, 3 SCHNEIDEN KURZ EINWEGFRÄSER



Up to Ø10mm Over Ø10mm



P.1234, 1235, 1236, 1237

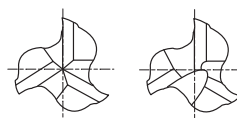
Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2553010	C3FSC-010AF	EQ553010	R3FSC-010AF	1.0	6	2	34
E2553013	C3FSC-013AF	EQ553013	R3FSC-013AF	1.3	6	3	34
E2553015	C3FSC-015AF	EQ553015	R3FSC-015AF	1.5	6	3	34
E2553018	C3FSC-018AF	EQ553018	R3FSC-018AF	1.8	6	3	34
E2553020	C3FSC-020AF	EQ553020	R3FSC-020AF	2.0	6	4	35
E2553023	C3FSC-023AF	EQ553023	R3FSC-023AF	2.3	6	4	35
E2553025	C3FSC-025AF	EQ553025	R3FSC-025AF	2.5	6	5	36
E2553028	C3FSC-028AF	EQ553028	R3FSC-028AF	2.8	6	5	36
E2553030	C3FSC-030AF	EQ553030	R3FSC-030AF	3.0	6	5	36
E2553033	C3FSC-033AF	EQ553033	R3FSC-033AF	3.3	6	6	37
E2553035	C3FSC-035AF	EQ553035	R3FSC-035AF	3.5	6	6	37
E2553038	C3FSC-038AF	EQ553038	R3FSC-038AF	3.8	6	7	38
E2553040	C3FSC-040AF	EQ553040	R3FSC-040AF	4.0	6	7	38
E2553043	C3FSC-043AF	EQ553043	R3FSC-043AF	4.3	6	7	38
E2553045	C3FSC-045AF	EQ553045	R3FSC-045AF	4.5	6	7	38
E2553048	C3FSC-048AF	EQ553048	R3FSC-048AF	4.8	6	8	39
E2553050	C3FSC-050AF	EQ553050	R3FSC-050AF	5.0	6	8	39
E2553053	C3FSC-053AF	EQ553053	R3FSC-053AF	5.3	6	8	39
E2553055	C3FSC-055AF	EQ553055	R3FSC-055AF	5.5	6	8	39
E2553957	C3FSC-0575AF	EQ553957	R3FSC-0575AF	5.75	6	8	39
E2553060	C3FSC-060AF	EQ553060	R3FSC-060AF	6.0	6	8	39

◎ : 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, 3 FLUTE SHORT LENGTH THROW AWAY HSSCo8, 3 SCHNEIDEN KURZ EINWEGFRÄSER



Up to Ø10mm Over Ø10mm



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN	e8	h6		
E2553065	C3FSC-065BF	EQ553065	R3FSC-065BF	6.5	8	10	42
E2553070	C3FSC-070BF	EQ553070	R3FSC-070BF	7.0	8	10	42
E2553075	C3FSC-075BF	EQ553075	R3FSC-075BF	7.5	8	10	42
E2553080	C3FSC-080BF	EQ553080	R3FSC-080BF	8.0	8	11	43
E2553085	C3FSC-085TF	EQ553085	R3FSC-085TF	8.5	10	11	48
E2553090	C3FSC-090TF	EQ553090	R3FSC-090TF	9.0	10	11	48
E2553095	C3FSC-095TF	EQ553095	R3FSC-095TF	9.5	10	11	48
E2553100	C3FSC-100TF	EQ553100	R3FSC-100TF	10.0	10	13	50
E2553120	C3FSC-120DF	EQ553120	R3FSC-120DF	12.0	12	16	58
E2553160	C3FSC-160EF	EQ553160	R3FSC-160EF	16.0	16	19	64
E2553200	C3FSC-200FF	EQ553200	R3FSC-200FF	20.0	20	22	78

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

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	— 0 — 6	— 0 — 8	— 0 — 9	— 0 — 11	— 0 — 13	— 0 — 16



SET ORDERING No.: E2SET553

- * 12PCS. SET
- SHORT LENGTH
- 2PCS. OF EACH SIZE
2, 3, 4, 5, 6mm (C3FSC)
- 1PC. OF EACH SIZE
8, 10mm (C3FSC)

◎ : 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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2554 SERIES

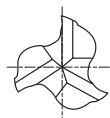
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ554 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE LONG LENGTH THROW AWAY

HSSCo8, 3 SCHNEIDEN LANG EINWEGFRÄSER



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2554015	C3FLC-015AF	EQ554015	R3FLC-015AF	1.5	6	4	35
E2554020	C3FLC-020AF	EQ554020	R3FLC-020AF	2.0	6	7	38
E2554025	C3FLC-025AF	EQ554025	R3FLC-025AF	2.5	6	8	39
E2554030	C3FLC-030AF	EQ554030	R3FLC-030AF	3.0	6	8	39
E2554035	C3FLC-035AF	EQ554035	R3FLC-035AF	3.5	6	10	41
E2554040	C3FLC-040AF	EQ554040	R3FLC-040AF	4.0	6	11	42
E2554045	C3FLC-045AF	EQ554045	R3FLC-045AF	4.5	6	11	42
E2554050	C3FLC-050AF	EQ554050	R3FLC-050AF	5.0	6	13	44
E2554055	C3FLC-055AF	EQ554055	R3FLC-055AF	5.5	6	13	44
E2554060	C3FLC-060AF	EQ554060	R3FLC-060AF	6.0	6	13	44
E2554065	C3FLC-065BF	EQ554065	R3FLC-065BF	6.5	8	16	48
E2554070	C3FLC-070BF	EQ554070	R3FLC-070BF	7.0	8	16	48
E2554075	C3FLC-075BF	EQ554075	R3FLC-075BF	7.5	8	16	48
E2554080	C3FLC-080BF	EQ554080	R3FLC-080BF	8.0	8	19	51
E2554085	C3FLC-085TF	EQ554085	R3FLC-085TF	8.5	10	19	56
E2554090	C3FLC-090TF	EQ554090	R3FLC-090TF	9.0	10	19	56
E2554095	C3FLC-095TF	EQ554095	R3FLC-095TF	9.5	10	19	56
E2554100	C3FLC-100TF	EQ554100	R3FLC-100TF	10.0	10	22	59

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : Excellent ○ : Good

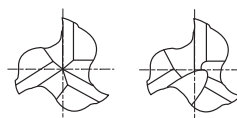
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70									
◎	◎	○							○					

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YG-1 CO., LTD.

HSSCo8, 3 FLUTE SHORT LENGTH THROW AWAY

HSSCo8, 3 SCHNEIDEN KURZ EINWEGFRÄSER



Up to Ø6mm Over Ø6mm



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2551010	C3CSC-010AF	EQ551010	R3CSC-010AF	1.0	6	2	24.5
E2551015	C3CSC-015AF	EQ551015	R3CSC-015AF	1.5	6	2.5	24.5
E2551020	C3CSC-020AF	EQ551020	R3CSC-020AF	2.0	6	3	25.5
E2551025	C3CSC-025AF	EQ551025	R3CSC-025AF	2.5	6	4	26
E2551028	C3CSC-028AF	EQ551028	R3CSC-028AF	2.8	6	4.5	28
E2551030	C3CSC-030AF	EQ551030	R3CSC-030AF	3.0	6	4.5	28
E2551035	C3CSC-035AF	EQ551035	R3CSC-035AF	3.5	6	5.5	30
E2551038	C3CSC-038AF	EQ551038	R3CSC-038AF	3.8	6	6.5	32.5
E2551040	C3CSC-040AF	EQ551040	R3CSC-040AF	4.0	6	6.5	32.5
E2551045	C3CSC-045AF	EQ551045	R3CSC-045AF	4.5	6	7	34.5
E2551048	C3CSC-048AF	EQ551048	R3CSC-048AF	4.8	6	7.5	36
E2551050	C3CSC-050AF	EQ551050	R3CSC-050AF	5.0	6	7.5	36
E2551055	C3CSC-055AF	EQ551055	R3CSC-055AF	5.5	6	8.5	36
E2551957	C3CSC-0575AF	EQ551957	R3CSC-0575AF	5.75	6	9.5	36
E2551060	C3CSC-060AF	EQ551060	R3CSC-060AF	6.0	6	9.5	36
E2551075	C3CSC-075TF	EQ551075	R3CSC-075TF	7.5	10	11	47.5
E2551080	C3CSC-080TF	EQ551080	R3CSC-080TF	8.0	10	11	47.5
E2551095	C3CSC-095TF	EQ551095	R3CSC-095TF	9.5	10	13	51.5
E2551100	C3CSC-100TF	EQ551100	R3CSC-100TF	10.0	10	13	51.5

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm							Shank Dia. Tolerance	
Nominal-Diameter in mm / Nennmaßbereich in mm								
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50	up to Ø6	— 0.018 — 0.025
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89	over Ø6	h6
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16		

◎ : 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									
◎	◎	○							○					



E2552 SERIES

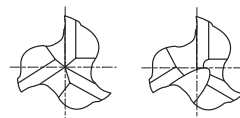
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ552 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE LONG LENGTH THROW AWAY

HSSCo8, 3 SCHNEIDEN LANG EINWEGFRÄSER



Up to Ø6mm

Over Ø6mm



P.1234, 1235, 1236, 1237

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E2552015	C3CLC-015AF	EQ552015	R3CLC-015AF	1.5	6	4	28
E2552020	C3CLC-020AF	EQ552020	R3CLC-020AF	2.0	6	4.5	29
E2552025	C3CLC-025AF	EQ552025	R3CLC-025AF	2.5	6	6.5	32
E2552030	C3CLC-030AF	EQ552030	R3CLC-030AF	3.0	6	7.5	34
E2552035	C3CLC-035AF	EQ552035	R3CLC-035AF	3.5	6	8.5	36.5
E2552040	C3CLC-040AF	EQ552040	R3CLC-040AF	4.0	6	9.5	39
E2552045	C3CLC-045AF	EQ552045	R3CLC-045AF	4.5	6	11	42
E2552050	C3CLC-050AF	EQ552050	R3CLC-050AF	5.0	6	12.5	44.5
E2552055	C3CLC-055AF	EQ552055	R3CLC-055AF	5.5	6	14.5	46
E2552060	C3CLC-060AF	EQ552060	R3CLC-060AF	6.0	6	16	44.5
E2552080	C3CLC-080TF	EQ552080	R3CLC-080TF	8.0	10	19	55.5
E2552090	C3CLC-090TF	EQ552090	R3CLC-090TF	9.0	10	22.5	61
E2552100	C3CLC-100TF	EQ552100	R3CLC-100TF	10.0	10	22.5	61

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm							Shank Dia. Tolerance	
Nominal-Diameter in mm / Nennmaßbereich in mm								
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50	up to Ø6	— 0.018 — 0.025
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89		
h6	— 0 — 6	— 0 — 8	— 0 — 9	— 0 — 11	— 0 — 13	— 0 — 16	over Ø6	h6

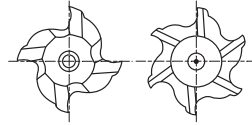
◎ : Excellent ○ : Good

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									
◎	◎	○							○					

**E2574, EQ574** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**E2575, EQ575** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 4&6 FLUTE SHORT LENGTH

HSSCo8, 4&6 SCHNEIDEN KURZ

HSS
Co8DIN
844

N

4&6

≈ 30°

DIN
1835B

P.1238, 1239

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2574020	C4GRS-020AF	EQ574020	R4GRS-020AF	2.0	6	7	51	4
E2574025	C4GRS-025AF	EQ574025	R4GRS-025AF	2.5	6	8	52	4
E2574030	C4GRS-030AF	EQ574030	R4GRS-030AF	3.0	6	8	52	4
E2574035	C4GRS-035AF	EQ574035	R4GRS-035AF	3.5	6	10	54	4
E2574040	C4GRS-040AF	EQ574040	R4GRS-040AF	4.0	6	11	55	4
E2574050	C4GRS-050AF	EQ574050	R4GRS-050AF	5.0	6	13	57	4
E2574060	C4GRS-060AF	EQ574060	R4GRS-060AF	6.0	6	13	57	4
E2574070	C4GRS-070TF	EQ574070	R4GRS-070TF	7.0	10	16	66	4
E2574080	C4GRS-080TF	EQ574080	R4GRS-080TF	8.0	10	19	69	4
E2574090	C4GRS-090TF	EQ574090	R4GRS-090TF	9.0	10	19	69	4
E2574100	C4GRS-100TF	EQ574100	R4GRS-100TF	10.0	10	22	72	4
E2574110	C4GRS-110DF	EQ574110	R4GRS-110DF	11.0	12	22	79	4
E2574120	C4GRS-120DF	EQ574120	R4GRS-120DF	12.0	12	26	83	4
E2574130	C4GRS-130DF	EQ574130	R4GRS-130DF	13.0	12	26	83	4
E2574140	C4GRS-140DF	EQ574140	R4GRS-140DF	14.0	12	26	83	4
E2574150	C4GRS-150DF	EQ574150	R4GRS-150DF	15.0	12	26	83	4
E2574160	C4GRS-160EF	EQ574160	R4GRS-160EF	16.0	16	32	92	4
E2574170	C4GRS-170EF	EQ574170	R4GRS-170EF	17.0	16	32	92	4
E2574180	C4GRS-180EF	EQ574180	R4GRS-180EF	18.0	16	32	92	4
E2574190	C4GRS-190EF	EQ574190	R4GRS-190EF	19.0	16	32	92	4
E2574200	C4GRS-200FF	EQ574200	R4GRS-200FF	20.0	20	38	104	4
E2575210	C6GRS-210FF	EQ575210	R6GRS-210FF	21.0	20	38	104	6
E2575220	C6GRS-220FF	EQ575220	R6GRS-220FF	22.0	20	38	104	6
E2575230	C6GRS-230FF	EQ575230	R6GRS-230FF	23.0	20	38	104	6
E2575240	C6GRS-240GF	EQ575240	R6GRS-240GF	24.0	25	45	121	6
E2575250	C6GRS-250GF	EQ575250	R6GRS-250GF	25.0	25	45	121	6
E2575260	C6GRS-260GF	EQ575260	R6GRS-260GF	26.0	25	45	121	6
E2575280	C6GRS-280GF	EQ575280	R6GRS-280GF	28.0	25	45	121	6
E2575300	C6GRS-300GF	EQ575300	R6GRS-300GF	30.0	25	45	121	6
E2575320	C6GRS-320HF	EQ575320	R6GRS-320HF	32.0	32	53	133	6
E2575340	C6GRS-340HF	EQ575340	R6GRS-340HF	34.0	32	53	133	6
E2575350	C6GRS-350HF	EQ575350	R6GRS-350HF	35.0	32	53	133	6
E2575360	C6GRS-360HF	EQ575360	R6GRS-360HF	36.0	32	53	133	6
E2575400	C6GRS-400HF	EQ575400	R6GRS-400HF	40.0	32	63	143	6

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~+0.04	h6

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

◎ : Excellent ○ : Good

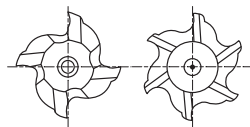
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70									
◎	◎	○						○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA**HSS
END MILLS****E2576 , EQ576** SERIES**E2577 , EQ577** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHENFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**HSSCo8, 4&6 FLUTE LONG LENGTH**
HSSCo8, 4&6 SCHNEIDEN LANG**HSS
Co8****DIN
844****N****4&6****≈ 30°****DIN
1835B**

P.1238, 1239

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2576020	C4GLS-020AF	EQ576020	R4GLS-020AF	2.0	6	10	54	4
E2576025	C4GLS-025AF	EQ576025	R4GLS-025AF	2.5	6	12	56	4
E2576030	C4GLS-030AF	EQ576030	R4GLS-030AF	3.0	6	12	56	4
E2576035	C4GLS-035AF	EQ576035	R4GLS-035AF	3.5	6	15	59	4
E2576040	C4GLS-040AF	EQ576040	R4GLS-040AF	4.0	6	19	63	4
E2576045	C4GLS-045AF	EQ576045	R4GLS-045AF	4.5	6	19	63	4
E2576050	C4GLS-050AF	EQ576050	R4GLS-050AF	5.0	6	24	68	4
E2576060	C4GLS-060AF	EQ576060	R4GLS-060AF	6.0	6	24	68	4
E2576070	C4GLS-070TF	EQ576070	R4GLS-070TF	7.0	10	30	80	4
E2576080	C4GLS-080TF	EQ576080	R4GLS-080TF	8.0	10	38	88	4
E2576090	C4GLS-090TF	EQ576090	R4GLS-090TF	9.0	10	38	88	4
E2576100	C4GLS-100TF	EQ576100	R4GLS-100TF	10.0	10	45	95	4
E2576110	C4GLS-110DF	EQ576110	R4GLS-110DF	11.0	12	45	102	4
E2576120	C4GLS-120DF	EQ576120	R4GLS-120DF	12.0	12	53	110	4
E2576130	C4GLS-130DF	EQ576130	R4GLS-130DF	13.0	12	53	110	4
E2576140	C4GLS-140DF	EQ576140	R4GLS-140DF	14.0	12	53	110	4
E2576150	C4GLS-150DF	EQ576150	R4GLS-150DF	15.0	12	53	110	4
E2576160	C4GLS-160EF	EQ576160	R4GLS-160EF	16.0	16	63	123	4
E2576170	C4GLS-170EF	EQ576170	R4GLS-170EF	17.0	16	63	123	4
E2576180	C4GLS-180EF	EQ576180	R4GLS-180EF	18.0	16	63	123	4
E2576190	C4GLS-190EF	EQ576190	R4GLS-190EF	19.0	16	63	123	4
E2576902	C4GLS-200EF	EQ576902	R4GLS-200EF	20.0	16	75	135	4
E2576200	C4GLS-200FF	EQ576200	R4GLS-200FF	20.0	20	75	141	4
E2577220	C6GLS-220FF	EQ577220	R6GLS-220FF	22.0	20	75	141	6
E2577240	C6GLS-240GF	EQ577240	R6GLS-240GF	24.0	25	90	166	6
E2577250	C6GLS-250GF	EQ577250	R6GLS-250GF	25.0	25	90	166	6
E2577260	C6GLS-260GF	EQ577260	R6GLS-260GF	26.0	25	90	166	6
E2577280	C6GLS-280GF	EQ577280	R6GLS-280GF	28.0	25	90	166	6
E2577300	C6GLS-300GF	EQ577300	R6GLS-300GF	30.0	25	90	166	6
E2577320	C6GLS-320HF	EQ577320	R6GLS-320HF	32.0	32	106	186	6
E2577360	C6GLS-360HF	EQ577360	R6GLS-360HF	36.0	32	106	186	6
E2577400	C6GLS-400IF	EQ577400	R6GLS-400IF	40.0	40	125	217	6

Mill Dia. Tolerance(mm)		Shank Dia. Tolerance
up to Ø6	0~+0.04	h6
over Ø6	0~+0.05	

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

◎ : Excellent ○ : Good

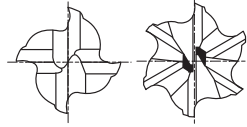
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70									
◎	◎	○							○					

1196 • phone:+82-32-526-0909, fax:+82-32-526-4373, www.yg1.kr, E-mail:yg1@yg1.kr**YG-1 CO., LTD.**

**E2595, EQ595** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**E2596, EQ596** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 4&6 FLUTE SHORT LENGTH

HSSCo8, 4&6 SCHNEIDEN KURZ

HSS
Co8DIN
844

N

4&6

≈ 30°

DIN
1835B

P.1240, 1241

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2595020	C4GRC-020AF	EQ595020	R4GRC-020AF	2.0	6	7	51	4
E2595030	C4GRC-030AF	EQ595030	R4GRC-030AF	3.0	6	8	52	4
E2595040	C4GRC-040AF	EQ595040	R4GRC-040AF	4.0	6	11	55	4
E2595050	C4GRC-050AF	EQ595050	R4GRC-050AF	5.0	6	13	57	4
E2595060	C4GRC-060AF	EQ595060	R4GRC-060AF	6.0	6	13	57	4
E2595070	C4GRC-070TF	EQ595070	R4GRC-070TF	7.0	10	16	66	4
E2595080	C4GRC-080TF	EQ595080	R4GRC-080TF	8.0	10	19	69	4
E2595090	C4GRC-090TF	EQ595090	R4GRC-090TF	9.0	10	19	69	4
E2595100	C4GRC-100TF	EQ595100	R4GRC-100TF	10.0	10	22	72	4
E2595110	C4GRC-110DF	EQ595110	R4GRC-110DF	11.0	12	22	79	4
E2595120	C4GRC-120DF	EQ595120	R4GRC-120DF	12.0	12	26	83	4
E2595130	C4GRC-130DF	EQ595130	R4GRC-130DF	13.0	12	26	83	4
E2595140	C4GRC-140DF	EQ595140	R4GRC-140DF	14.0	12	26	83	4
E2595150	C4GRC-150DF	EQ595150	R4GRC-150DF	15.0	12	26	83	4
E2595160	C4GRC-160EF	EQ595160	R4GRC-160EF	16.0	16	32	92	4
E2595170	C4GRC-170EF	EQ595170	R4GRC-170EF	17.0	16	32	92	4
E2595180	C4GRC-180EF	EQ595180	R4GRC-180EF	18.0	16	32	92	4
E2595190	C4GRC-190EF	EQ595190	R4GRC-190EF	19.0	16	32	92	4
E2595920	C4GRC-200EF	EQ595920	R4GRC-200EF	20.0	16	38	98	4
E2595200	C4GRC-200FF	EQ595200	R4GRC-200FF	20.0	20	38	104	4
E2595220	C4GRC-220FF	EQ595220	R4GRC-220FF	22.0	20	38	104	4
E2595250	C4GRC-250GF	EQ595250	R4GRC-250GF	25.0	25	45	121	4
E2596220	C6GRC-220FF	EQ596220	R6GRC-220FF	22.0	20	38	104	6
E2596240	C6GRC-240GF	EQ596240	R6GRC-240GF	24.0	25	45	121	6
E2596250	C6GRC-250GF	EQ596250	R6GRC-250GF	25.0	25	45	121	6
E2596260	C6GRC-260GF	EQ596260	R6GRC-260GF	26.0	25	45	121	6
E2596280	C6GRC-280GF	EQ596280	R6GRC-280GF	28.0	25	45	121	6
E2596300	C6GRC-300GF	EQ596300	R6GRC-300GF	30.0	25	45	121	6
E2596320	C6GRC-320HF	EQ596320	R6GRC-320HF	32.0	32	53	133	6
E2596340	C6GRC-340HF	EQ596340	R6GRC-340HF	34.0	32	53	133	6
E2596350	C6GRC-350HF	EQ596350	R6GRC-350HF	35.0	32	53	133	6
E2596360	C6GRC-360HF	EQ596360	R6GRC-360HF	36.0	32	53	133	6
E2596380	C6GRC-380HF	EQ596380	R6GRC-380HF	38.0	32	63	143	6
E2596901	C6GRC-400HF	EQ596901	R6GRC-400HF	40.0	32	63	143	6
E2596400	C6GRC-400IF	EQ596400	R6GRC-400IF	40.0	40	63	155	6

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~+0.04	h6

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

◎ : Excellent ○ : Good

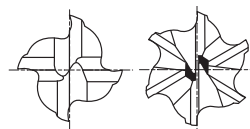
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRc30~40	HRc40~45 HRc45~55	HRc55~70									
◎	◎	○						○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA**HSS
END MILLS****E2597, EQ597** SERIES**E2598, EQ598** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHENFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**HSSCo8, 4&6 FLUTE LONG LENGTH**
HSSCo8, 4&6 SCHNEIDEN LANG

P.1238, 1239

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2597020	C4GLC-020AF	EQ597020	R4GLC-020AF	2.0	6	10	54	4
E2597025	C4GLC-025AF	EQ597025	R4GLC-025AF	2.5	6	12	56	4
E2597030	C4GLC-030AF	EQ597030	R4GLC-030AF	3.0	6	12	56	4
E2597035	C4GLC-035AF	EQ597035	R4GLC-035AF	3.5	6	15	59	4
E2597040	C4GLC-040AF	EQ597040	R4GLC-040AF	4.0	6	19	63	4
E2597045	C4GLC-045AF	EQ597045	R4GLC-045AF	4.5	6	19	63	4
E2597050	C4GLC-050AF	EQ597050	R4GLC-050AF	5.0	6	24	68	4
E2597055	C4GLC-055AF	EQ597055	R4GLC-055AF	5.5	6	24	68	4
E2597060	C4GLC-060AF	EQ597060	R4GLC-060AF	6.0	6	24	68	4
E2597070	C4GLC-070TF	EQ597070	R4GLC-070TF	7.0	10	30	80	4
E2597080	C4GLC-080TF	EQ597080	R4GLC-080TF	8.0	10	38	88	4
E2597090	C4GLC-090TF	EQ597090	R4GLC-090TF	9.0	10	38	88	4
E2597100	C4GLC-100TF	EQ597100	R4GLC-100TF	10.0	10	45	95	4
E2597110	C4GLC-110DF	EQ597110	R4GLC-110DF	11.0	12	45	102	4
E2597120	C4GLC-120DF	EQ597120	R4GLC-120DF	12.0	12	53	110	4
E2597130	C4GLC-130DF	EQ597130	R4GLC-130DF	13.0	12	53	110	4
E2597140	C4GLC-140DF	EQ597140	R4GLC-140DF	14.0	12	53	110	4
E2597150	C4GLC-150DF	EQ597150	R4GLC-150DF	15.0	12	53	110	4
E2597160	C4GLC-160EF	EQ597160	R4GLC-160EF	16.0	16	63	123	4
E2597170	C4GLC-170EF	EQ597170	R4GLC-170EF	17.0	16	63	123	4
E2597180	C4GLC-180EF	EQ597180	R4GLC-180EF	18.0	16	63	123	4
E2597190	C4GLC-190EF	EQ597190	R4GLC-190EF	19.0	16	63	123	4
E2597200	C4GLC-200FF	EQ597200	R4GLC-200FF	20.0	20	75	141	4
E2598220	C6GLC-220FF	EQ598220	R6GLC-220FF	22.0	20	75	141	6
E2598240	C6GLC-240GF	EQ598240	R6GLC-240GF	24.0	25	90	166	6
E2598250	C6GLC-250GF	EQ598250	R6GLC-250GF	25.0	25	90	166	6
E2598260	C6GLC-260GF	EQ598260	R6GLC-260GF	26.0	25	90	166	6
E2598280	C6GLC-280GF	EQ598280	R6GLC-280GF	28.0	25	90	166	6
E2598300	C6GLC-300GF	EQ598300	R6GLC-300GF	30.0	25	90	166	6
E2598320	C6GLC-320HF	EQ598320	R6GLC-320HF	32.0	32	106	186	6
E2598360	C6GLC-360HF	EQ598360	R6GLC-360HF	36.0	32	106	186	6
E2598400	C6GLC-400IF	EQ598400	R6GLC-400IF	40.0	40	125	217	6

Mill Dia. Tolerance(mm)		Shank Dia. Tolerance
up to Ø6	0~+0.04	h6
over Ø6	0~+0.05	

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

◎ : 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									
◎	◎	○							○					



E2461, E2462, E2463 SERIES

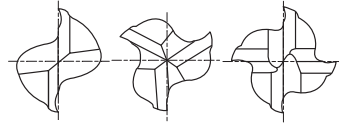
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ461, EQ462, EQ463 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, MULTI FLUTE 50° HELIX SHORT LENGTH

HSSCo8, MULTI SCHNEIDEN 50° RECHTSSPIRALE KURZ

HSS
Co8DIN
844

N

2-4

50°

DIN
1835B

P.1242, 1243

Unit : mm

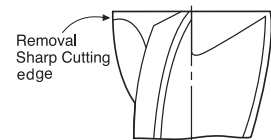
EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2461020	C2ERH-020AF	EQ461020	R2ERH-020AF	2.0	6	7	51	2
E2461030	C2ERH-030AF	EQ461030	R2ERH-030AF	3.0	6	8	52	2
E2461040	C2ERH-040AF	EQ461040	R2ERH-040AF	4.0	6	11	55	2
E2461050	C2ERH-050AF	EQ461050	R2ERH-050AF	5.0	6	13	57	2
E2462060	C3ERH-060AF	EQ462060	R3ERH-060AF	6.0	6	13	57	3
E2462070	C3ERH-070TF	EQ462070	R3ERH-070TF	7.0	10	16	66	3
E2462080	C3ERH-080TF	EQ462080	R3ERH-080TF	8.0	10	19	69	3
E2462090	C3ERH-090TF	EQ462090	R3ERH-090TF	9.0	10	19	69	3
E2462100	C3ERH-100TF	EQ462100	R3ERH-100TF	10.0	10	22	72	3
E2462110	C3ERH-110DF	EQ462110	R3ERH-110DF	11.0	12	22	79	3
E2462120	C3ERH-120DF	EQ462120	R3ERH-120DF	12.0	12	26	83	3
E2462130	C3ERH-130DF	EQ462130	R3ERH-130DF	13.0	12	26	83	3
E2462140	C3ERH-140DF	EQ462140	R3ERH-140DF	14.0	12	26	83	3
E2462150	C3ERH-150DF	EQ462150	R3ERH-150DF	15.0	12	26	83	3
E2462160	C3ERH-160EF	EQ462160	R3ERH-160EF	16.0	16	32	92	3
E2462180	C3ERH-180EF	EQ462180	R3ERH-180EF	18.0	16	32	92	3
E2462200	C3ERH-200FF	EQ462200	R3ERH-200FF	20.0	20	38	104	3
E2462230	C3ERH-230FF	EQ462230	R3ERH-230FF	23.0	20	38	104	3
E2463220	C4ERH-220GF	EQ463220	R4ERH-220GF	22.0	25	45	121	4
E2463250	C4ERH-250GF	EQ463250	R4ERH-250GF	25.0	25	45	121	4
E2463300	C4ERH-300GF	EQ463300	R4ERH-300GF	30.0	25	45	121	4

▶ Other shank design on your request.

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

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
up to Ø3	0~+0.04
Ø4.0 ~ Ø6.0	0~+0.048
Ø7.0 ~ Ø10.0	0~+0.058
Ø10.5 ~ Ø18.0	0~+0.07
over Ø18	0~+0.084

h6



◎ : 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									
◎	◎	○											

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2535 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ535 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 2 FLUTE SHORT LENGTH BALL NOSE

HSSCo8, 2 SCHNEIDEN KURZ STIRNRADIUS



Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Radius of Ball Nose R (±0.02)	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2535020	C2GRB-020AF	EQ535020	R2GRB-020AF	R1.0	2.0	6	4	48
E2535025	C2GRB-025AF	EQ535025	R2GRB-025AF	R1.25	2.5	6	5	49
E2535030	C2GRB-030AF	EQ535030	R2GRB-030AF	R1.5	3.0	6	5	49
E2535035	C2GRB-035AF	EQ535035	R2GRB-035AF	R1.75	3.5	6	6	50
E2535040	C2GRB-040AF	EQ535040	R2GRB-040AF	R2.0	4.0	6	7	51
E2535045	C2GRB-045AF	EQ535045	R2GRB-045AF	R2.25	4.5	6	7	51
E2535050	C2GRB-050AF	EQ535050	R2GRB-050AF	R2.5	5.0	6	8	52
E2535055	C2GRB-055AF	EQ535055	R2GRB-055AF	R2.75	5.5	6	8	52
E2535060	C2GRB-060AF	EQ535060	R2GRB-060AF	R3.0	6.0	6	8	52
E2535070	C2GRB-070TF	EQ535070	R2GRB-070TF	R3.5	7.0	10	10	60
E2535080	C2GRB-080TF	EQ535080	R2GRB-080TF	R4.0	8.0	10	11	61
E2535090	C2GRB-090TF	EQ535090	R2GRB-090TF	R4.5	9.0	10	11	61
E2535100	C2GRB-100TF	EQ535100	R2GRB-100TF	R5.0	10.0	10	13	63
E2535110	C2GRB-110DF	EQ535110	R2GRB-110DF	R5.5	11.0	12	13	70
E2535120	C2GRB-120DF	EQ535120	R2GRB-120DF	R6.0	12.0	12	16	73
E2535130	C2GRB-130DF	EQ535130	R2GRB-130DF	R6.5	13.0	12	16	73
E2535140	C2GRB-140DF	EQ535140	R2GRB-140DF	R7.0	14.0	12	16	73
E2535150	C2GRB-150DF	EQ535150	R2GRB-150DF	R7.5	15.0	12	16	73
E2535160	C2GRB-160EF	EQ535160	R2GRB-160EF	R8.0	16.0	16	19	79
E2535170	C2GRB-170EF	EQ535170	R2GRB-170EF	R8.5	17.0	16	19	79
E2535180	C2GRB-180EF	EQ535180	R2GRB-180EF	R9.0	18.0	16	19	79
E2535190	C2GRB-190EF	EQ535190	R2GRB-190EF	R9.5	19.0	16	19	79
E2535923	C2GRB-200EF	EQ535923	R2GRB-200EF	R10.0	20.0	16	22	82
E2535200	C2GRB-200FF	EQ535200	R2GRB-200FF	R10.0	20.0	20	22	88
E2535220	C2GRB-220FF	EQ535220	R2GRB-220FF	R11.0	22.0	20	22	88
E2535922	C2GRB-220GF	EQ535922	R2GRB-220GF	R11.0	22.0	25	22	98
E2535240	C2GRB-240GF	EQ535240	R2GRB-240GF	R12.0	24.0	25	26	102
E2535250	C2GRB-250GF	EQ535250	R2GRB-250GF	R12.5	25.0	25	26	102
E2535260	C2GRB-260GF	EQ535260	R2GRB-260GF	R13.0	26.0	25	26	102
E2535280	C2GRB-280GF	EQ535280	R2GRB-280GF	R14.0	28.0	25	26	102
E2535300	C2GRB-300GF	EQ535300	R2GRB-300GF	R15.0	30.0	25	26	102
E2535320	C2GRB-320HF	EQ535320	R2GRB-320HF	R16.0	32.0	32	32	112

▶ Other shank design on your request.

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

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

◎ : 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									
◎	◎	○							○					

1200 • phone:+82-32-526-0909, fax:+82-32-526-4373, www.yg1.kr, E-mail:yg1@yg1.kr

YG-1 CO., LTD.

HSSCo8, 2 FLUTE LONG LENGTH BALL NOSE HSSCo8, 2 SCHNEIDEN LANG STIRNRADIUS



P.1244, 1245

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Radius of Ball Nose R (±0.02)	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2492020	C2GLB-020AF	EQ492020	R2GLB-020AF	R1.0	2.0	6	7	54
E2492030	C2GLB-030AF	EQ492030	R2GLB-030AF	R1.5	3.0	6	8	56
E2492040	C2GLB-040AF	EQ492040	R2GLB-040AF	R2.0	4.0	6	11	63
E2492050	C2GLB-050AF	EQ492050	R2GLB-050AF	R2.5	5.0	6	13	68
E2492060	C2GLB-060AF	EQ492060	R2GLB-060AF	R3.0	6.0	6	13	68
E2492070	C2GLB-070TF	EQ492070	R2GLB-070TF	R3.5	7.0	10	16	80
E2492080	C2GLB-080TF	EQ492080	R2GLB-080TF	R4.0	8.0	10	19	88
E2492090	C2GLB-090TF	EQ492090	R2GLB-090TF	R4.5	9.0	10	19	88
E2492100	C2GLB-100TF	EQ492100	R2GLB-100TF	R5.0	10.0	10	22	95
E2492110	C2GLB-110DF	EQ492110	R2GLB-110DF	R5.5	11.0	12	22	102
E2492120	C2GLB-120DF	EQ492120	R2GLB-120DF	R6.0	12.0	12	26	110
E2492130	C2GLB-130DF	EQ492130	R2GLB-130DF	R6.5	13.0	12	26	110
E2492140	C2GLB-140DF	EQ492140	R2GLB-140DF	R7.0	14.0	12	26	110
E2492150	C2GLB-150DF	EQ492150	R2GLB-150DF	R7.5	15.0	12	26	110
E2492160	C2GLB-160EF	EQ492160	R2GLB-160EF	R8.0	16.0	16	32	123
E2492170	C2GLB-170EF	EQ492170	R2GLB-170EF	R8.5	17.0	16	32	123
E2492180	C2GLB-180EF	EQ492180	R2GLB-180EF	R9.0	18.0	16	32	123
E2492190	C2GLB-190EF	EQ492190	R2GLB-190EF	R9.5	19.0	16	32	123
E2492200	C2GLB-200FF	EQ492200	R2GLB-200FF	R10.0	20.0	20	38	141
E2492220	C2GLB-220FF	EQ492220	R2GLB-220FF	R11.0	22.0	20	38	141
E2492240	C2GLB-240GF	EQ492240	R2GLB-240GF	R12.0	24.0	25	45	166
E2492250	C2GLB-250GF	EQ492250	R2GLB-250GF	R12.5	25.0	25	45	166
E2492260	C2GLB-260GF	EQ492260	R2GLB-260GF	R13.0	26.0	25	45	166
E2492280	C2GLB-280GF	EQ492280	R2GLB-280GF	R14.0	28.0	25	45	166
E2492300	C2GLB-300GF	EQ492300	R2GLB-300GF	R15.0	30.0	25	45	166

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

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

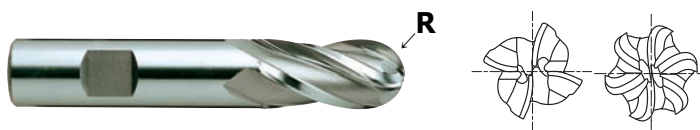
◎ : Excellent ○ : Good

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									
◎	◎	○						○					

**E2410** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ410** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 4&6 FLUTE SHORT LENGTH BALL NOSE

HSSCo8, 4&6 SCHNEIDEN KURZ STIRNRADIUS



Unit : mm

EDP No.		Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAIN	R (±0.02)	e8	h6			
E2410060	EQ410060	R3.0	6.0	6	13	57	4
E2410080	EQ410080	R4.0	8.0	10	19	69	4
E2410100	EQ410100	R5.0	10.0	10	22	72	4
E2410120	EQ410120	R6.0	12.0	12	26	83	4
E2410160	EQ410160	R8.0	16.0	16	32	92	4
E2410200	EQ410200	R10.0	20.0	20	38	104	4
E2410250	EQ410250	R12.5	25.0	25	45	121	6

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

◎ : 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, 4&6 FLUTE LONG LENGTH BALL NOSE HSSCo8, 4&6 SCHNEIDEN LANG STIRNRADIUS



P.1246, 1247

Unit : mm

EDP No.		Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAIN	R (±0.02)	e8	h6			
E2429100	EQ429100	R5.0	10.0	10	45	95	4
E2429120	EQ429120	R6.0	12.0	12	53	110	4
E2429160	EQ429160	R8.0	16.0	16	63	123	4
E2429200	EQ429200	R10.0	20.0	20	75	141	4
E2429250	EQ429250	R12.5	25.0	25	90	166	6

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

◎ : 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									
◎	◎	○							○					



E2512 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ512 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE SHORT LENGTH BALL NOSE THROW AWAY HSSCo8, 3 SCHNEIDEN KURZ STIRNRADIUS EINWEGFRÄSER



P.1246, 1247

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Radius of Ball Nose R (±0.02)	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN					
E2512020	C3FSB-020AF	EQ512020	R3FSB-020AF	R1.0	2.0	6	4	35
E2512025	C3FSB-025AF	EQ512025	R3FSB-025AF	R1.25	2.5	6	5	36
E2512030	C3FSB-030AF	EQ512030	R3FSB-030AF	R1.5	3.0	6	5	36
E2512040	C3FSB-040AF	EQ512040	R3FSB-040AF	R2.0	4.0	6	7	38
E2512050	C3FSB-050AF	EQ512050	R3FSB-050AF	R2.5	5.0	6	8	39
E2512060	C3FSB-060AF	EQ512060	R3FSB-060AF	R3.0	6.0	6	8	39

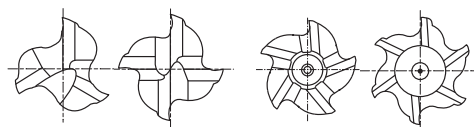
► TIN-COATING & TiCN-COATING are available on your request.

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0~-0.03	h6

◎ : 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 SHORT LENGTH ROUGHING - COARSE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - GROB



Up to Ø20mm

Over Ø20mm



P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAlN	js12	h6			
E2751060	EQ751060	6.0	6	13	57	3
E2751070	EQ751070	7.0	10	16	66	3
E2751080	EQ751080	8.0	10	19	69	3
E2751090	EQ751090	9.0	10	19	69	3
E2751095	EQ751095	9.5	10	19	69	3
E2751100	EQ751100	10.0	10	22	72	4
E2751110	EQ751110	11.0	12	22	79	4
E2751120	EQ751120	12.0	12	26	83	4
E2751125	EQ751125	12.5	12	26	83	4
E2751130	EQ751130	13.0	12	26	83	4
E2751140	EQ751140	14.0	12	26	83	4
E2751145	EQ751145	14.5	12	26	83	4
E2751150	EQ751150	15.0	12	26	83	4
E2751160	EQ751160	16.0	16	32	92	4
E2751170	EQ751170	17.0	16	32	92	4
E2751180	EQ751180	18.0	16	32	92	4
E2751190	EQ751190	19.0	16	32	92	4
E2751200	EQ751200	20.0	20	38	104	4
E2751901	EQ751901	20.0	16	38	98	4
E2751220	EQ751220	22.0	20	38	104	5
E2751240	EQ751240	24.0	25	45	121	5
E2751250	EQ751250	25.0	25	45	121	5
E2751260	EQ751260	26.0	25	45	121	6
E2751280	EQ751280	28.0	25	45	121	6
E2751300	EQ751300	30.0	25	45	121	6

◎ : 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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2751 SERIES

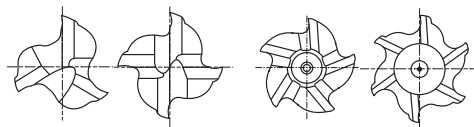
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ751 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - COARSE

HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - GROB



Up to Ø20mm

Over Ø20mm



Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAIN	js12	h6			
E2751320	EQ751320	32.0	32	53	133	6
E2751340	EQ751340	34.0	32	53	133	6
E2751350	EQ751350	35.0	32	53	133	6
E2751360	EQ751360	36.0	32	53	133	6
E2751380	EQ751380	38.0	32	63	155	6
E2751938	EQ751938	38.0	40	63	155	6
E2751400	EQ751400	40.0	32	63	155	6
E2751940	EQ751940	40.0	40	63	155	6
E2751450	EQ751450	45.0	32	63	143	6
E2751500	EQ751500	50.0	50	75	177	6

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	±50	±60	±75	±90	±105	±125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

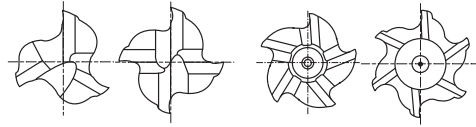
◎ : Excellent ○ : Good

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									
◎	◎	○							○					

**E2752** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ752** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING - COARSE

HSSCo8, MULTI SCHNEIDEN LANG SCHRUPPFRÄSER - GROB



Up to Ø20mm

Over Ø20mm



P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAlN	js12	h6			
E2752060	EQ752060	6.0	6	24	68	3
E2752070	EQ752070	7.0	10	30	80	3
E2752080	EQ752080	8.0	10	38	88	3
E2752090	EQ752090	9.0	10	38	88	3
E2752100	EQ752100	10.0	10	45	95	4
E2752110	EQ752110	11.0	12	45	102	4
E2752120	EQ752120	12.0	12	53	110	4
E2752130	EQ752130	13.0	12	53	110	4
E2752140	EQ752140	14.0	12	53	110	4
E2752150	EQ752150	15.0	12	53	110	4
E2752160	EQ752160	16.0	16	63	123	4
E2752170	EQ752170	17.0	16	63	123	4
E2752180	EQ752180	18.0	16	63	123	4
E2752190	EQ752190	19.0	16	63	123	4
E2752200	EQ752200	20.0	20	75	141	4
E2752901	EQ752901	20.0	16	75	135	4
E2752220	EQ752220	22.0	20	75	141	5
E2752902	EQ752902	22.0	25	75	151	5
E2752240	EQ752240	24.0	25	90	166	5
E2752250	EQ752250	25.0	25	90	166	5
E2752260	EQ752260	26.0	25	90	166	6
E2752280	EQ752280	28.0	25	90	166	6
E2752300	EQ752300	30.0	25	90	166	6
E2752320	EQ752320	32.0	32	106	186	6
E2752350	EQ752350	35.0	32	106	186	6
E2752360	EQ752360	36.0	32	106	186	6
E2752380	EQ752380	38.0	32	125	217	6
E2752938	EQ752938	38.0	40	125	217	6
E2752400	EQ752400	40.0	32	125	217	6
E2752940	EQ752940	40.0	40	125	217	6

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	±50	±60	±75	±90	±105	±125
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

◎ : 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									
◎	◎	○							○					

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

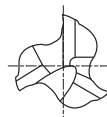
E2751, EQ751 SERIES

E2764, EQ764 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHENFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING - COARSE

HSSCo8, 3 SCHNEIDEN KURZ SCHRUPPFRÄSER - GROB



P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TiAIN	js12	h6		
E2751060	EQ751060	6.0	6	13	57
E2751080	EQ751080	8.0	10	19	69
E2764100	EQ764100	10.0	10	22	72
E2764120	EQ764120	12.0	12	26	83
E2764140	EQ764140	14.0	12	26	83
E2764160	EQ764160	16.0	16	32	92
E2764180	EQ764180	18.0	16	32	92
E2764200	EQ764200	20.0	20	38	104
E2764220	EQ764220	22.0	20	38	104
E2764250	EQ764250	25.0	25	45	121
E2764280	EQ764280	28.0	25	45	121
E2764300	EQ764300	30.0	25	45	121
E2764320	EQ764320	32.0	32	53	133
E2764360	EQ764360	36.0	32	53	133
E2764400	EQ764400	40.0	32	63	155

► Other shank design on your request.

► TIN-COATING & TICN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	0 - 6	0 - 8	0 - 9	0 - 11	0 - 13	0 - 16

◎ : 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									
◎	◎	○							○					

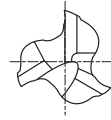
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YG-1 CO., LTD.

**E2752, EQ752** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**E2765, EQ765** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE LONG LENGTH ROUGHING - COARSE

HSSCo8, 3 SCHNEIDEN LANG SCHRUPPFRÄSER - GROB

HSS
Co8DIN
844

NR

COARSE

3

30°

DIN
1835B

P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TiAlN	js12	h6		
E2752060	EQ752060	6.0	6	24	68
E2752080	EQ752080	8.0	10	38	88
E2765100	EQ765100	10.0	10	45	95
E2765120	EQ765120	12.0	12	53	110
E2765140	EQ765140	14.0	12	53	110
E2765160	EQ765160	16.0	16	63	123
E2765180	EQ765180	18.0	16	63	123
E2765200	EQ765200	20.0	20	75	141
E2765220	EQ765220	22.0	20	75	141
E2765250	EQ765250	25.0	25	90	166
E2765280	EQ765280	28.0	25	90	166
E2765300	EQ765300	30.0	25	90	166
E2765360	EQ765360	36.0	32	106	186
E2765400	EQ765400	40.0	32	125	217

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

◎ : 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									
◎	◎	○							○					

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2755 SERIES

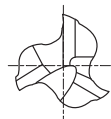
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EU755 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE 37° HELIX SHORT LENGTH ROUGHING

HSSCo8, 3 SCHNEIDEN 37° RECHTSSPIRALE KURZ SCHRUPPFRÄSER

for ALUMINUM**für ALUMINIUM**

P.1250, 1251

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	js12	h6		
E2755060	6.0	6	13	57
E2755080	8.0	10	19	69
E2755100	10.0	10	22	72
E2755120	12.0	12	26	83
E2755140	14.0	12	26	83
E2755160	16.0	16	32	92
E2755180	18.0	16	32	92
E2755200	20.0	20	38	104
E2755220	22.0	20	38	104
E2755250	25.0	25	45	121
E2755300	30.0	25	45	121

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	0 - 6	0 - 8	0 - 9	0 - 11	0 - 13	0 - 16

◎ : Excellent ○ : Good

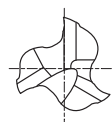
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	○								◎					

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YG-1 CO., LTD.

HSSCo8, 3 FLUTE 37° HELIX LONG LENGTH ROUGHING HSSCo8, 3 SCHNEIDEN 37° RECHTSSPIRALE LANG SCHRUPPFRÄSER

for **ALUMINUM**
für **ALUMINIUM**



P.1250, 1251

Unit : mm

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	js12	h6		
E2756100	10.0	10	45	95
E2756120	12.0	12	53	110
E2756140	14.0	12	53	110
E2756160	16.0	16	63	123
E2756180	18.0	16	63	123
E2756200	20.0	20	75	141
E2756220	22.0	20	75	141
E2756250	25.0	25	90	166
E2756300	30.0	25	90	166

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

◎ : 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									
◎	○								◎					

CARBIDE

HSS

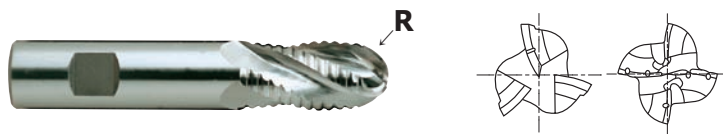
CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA**E2757** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ757** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3&4 FLUTE SHORT LENGTH ROUGHING BALL NOSE - COARSE

HSSCo8, 3&4 SCHNEIDEN KURZ SCHRUPPFRÄSER STIRNRADIUS - GROB



Unit : mm

EDP No.		Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAIN	R (±0.02)	js12	h6			
E2757060	EQ757060	R3.0	6.0	6	13	57	3
E2757080	EQ757080	R4.0	8.0	10	19	69	3
E2757100	EQ757100	R5.0	10.0	10	22	72	3
E2757120	EQ757120	R6.0	12.0	12	26	83	4
E2757160	EQ757160	R8.0	16.0	16	32	92	4
E2757200	EQ757200	R10.0	20.0	20	38	104	4
E2757250	EQ757250	R12.5	25.0	25	45	121	4
E2757320	EQ757320	R16.0	32.0	32	53	133	4
E2757400	EQ757400	R20.0	40.0	32	63	155	4

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

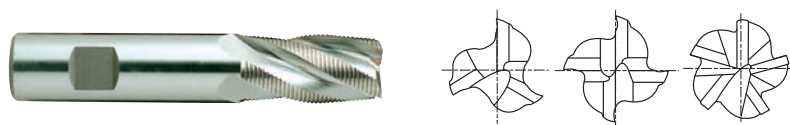
◎ : Excellent ○ : Good

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									
◎	◎	○							○					

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YG-1 CO., LTD.

HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - EXTRA FINE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - EXTRA FEIN



P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAlN	js12	h6			
E2761060	EQ761060	6.0	6	13	57	3
E2761070	EQ761070	7.0	10	16	66	3
E2761080	EQ761080	8.0	10	19	69	3
E2761090	EQ761090	9.0	10	19	69	3
E2761100	EQ761100	10.0	10	22	72	4
E2761120	EQ761120	12.0	12	26	83	4
E2761140	EQ761140	14.0	12	26	83	4
E2761160	EQ761160	16.0	16	32	92	4
E2761180	EQ761180	18.0	16	32	92	4
E2761200	EQ761200	20.0	20	38	104	4
E2761220	EQ761220	22.0	20	38	104	5
E2761250	EQ761250	25.0	25	45	121	5

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	0 - 6	0 - 8	0 - 9	0 - 11	0 - 13	0 - 16

◎ : Excellent ○ : Good

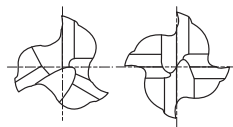
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA**HSS
END MILLS****E2524** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ524** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**HSSCo8, 3&4 FLUTE STUB LENGTH ROUGHING - FINE**
HSSCo8, 3&4 SCHNEIDEN EXTRA KURZ SCHRUPPFRÄSER - FEIN**HSS
Co8****DIN
327****HR****FINE****3&4****30°****DIN
1835B****P.1252, 1253****P.1252, 1253**

P.1252, 1253

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAIN	k12	h6			
E2524060	EQ524060	6.0	6	8	52	3
E2524080	EQ524080	8.0	10	11	61	4
E2524100	EQ524100	10.0	10	13	63	4
E2524120	EQ524120	12.0	12	16	73	4
E2524140	EQ524140	14.0	12	16	73	4
E2524160	EQ524160	16.0	16	19	79	4
E2524180	EQ524180	18.0	16	19	79	4
E2524200	EQ524200	20.0	20	22	88	4

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
k12	+90 0	+120 0	+150 0	+180 0	+210 0	+250 0
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

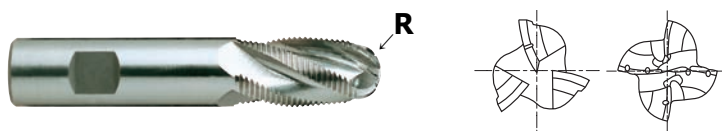
◎ : Excellent ○ : Good

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									
◎	◎	○							○					

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HSSCo8, 3&4 FLUTE SHORT LENGTH ROUGHING BALL NOSE - FINE

HSSCo8, 3&4 SCHNEIDEN KURZ SCHRUPPFRÄSER STIRNRADIUS - FEIN



P.1254, 1255

Unit : mm

EDP No.		Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAlN	R (±0.02)	js12	h6			
E2606060	EQ606060	R3.0	6.0	6	13	57	3
E2606080	EQ606080	R4.0	8.0	10	19	69	3
E2606100	EQ606100	R5.0	10.0	10	22	72	3
E2606120	EQ606120	R6.0	12.0	12	26	83	4
E2606160	EQ606160	R8.0	16.0	16	32	92	4
E2606200	EQ606200	R10.0	20.0	20	38	104	4
E2606250	EQ606250	R12.5	25.0	25	45	121	4
E2606320	EQ606320	R16.0	32.0	32	53	133	4
E2606400	EQ606400	R20.0	40.0	32	63	155	4

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	±50	±60	±75	±90	±105	±125
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E2753 SERIES

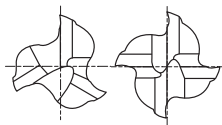
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ753 SERIES

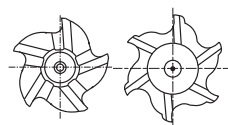
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - FINE

HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - FEIN



Up to Ø20mm



Over Ø20mm



Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN	js12	h6			
E2753060	C3426-060AF	EQ753060	R3426-060AF	6.0	6	13	57	3
E2753070	C3426-070TF	EQ753070	R3426-070TF	7.0	10	16	66	3
E2753080	C3426-080TF	EQ753080	R3426-080TF	8.0	10	19	69	3
E2753090	C3426-090TF	EQ753090	R3426-090TF	9.0	10	19	69	3
E2753100	C4426-100TF	EQ753100	R4426-100TF	10.0	10	22	72	4
E2753110	C4426-110DF	EQ753110	R4426-110DF	11.0	12	22	79	4
E2753120	C4426-120DF	EQ753120	R4426-120DF	12.0	12	26	83	4
E2753130	C4426-130DF	EQ753130	R4426-130DF	13.0	12	26	83	4
E2753140	C4426-140DF	EQ753140	R4426-140DF	14.0	12	26	83	4
E2753150	C4426-150DF	EQ753150	R4426-150DF	15.0	12	26	83	4
E2753160	C4426-160EF	EQ753160	R4426-160EF	16.0	16	32	92	4
E2753180	C4426-180EF	EQ753180	R4426-180EF	18.0	16	32	92	4
E2753200	C4426-200FF	EQ753200	R4426-200FF	20.0	20	38	104	4
E2753250	C5426-250GF	EQ753250	R5426-250GF	25.0	25	45	121	5
E2753280	C6426-280GF	EQ753280	R6426-280GF	28.0	25	45	121	6
E2753300	C6426-300GF	EQ753300	R6426-300GF	30.0	25	45	121	6
E2753320	C6426-320HF	EQ753320	R6426-320HF	32.0	32	53	133	6
E2753350	C6426-350HF	EQ753350	R6426-350HF	35.0	32	53	133	6
E2753400	C6426-400HF	EQ753400	R6426-400HF	40.0	32	63	155	6

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

◎ : 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									
◎	◎	○							○					

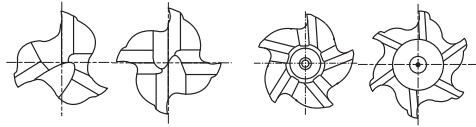
1216 • phone:+82-32-526-0909, fax:+82-32-526-4373, www.yg1.kr, E-mail:yg1@yg1.kr

YG-1 CO., LTD.

**E2762** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ762** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING - FINE

HSSCo8, MULTI SCHNEIDEN LANG SCHRUPPFRÄSER - FEIN



Up to Ø20mm

Over Ø20mm



Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAlN	js12	h6			
E2762060	EQ762060	6.0	6	24	68	3
E2762070	EQ762070	7.0	10	30	80	3
E2762080	EQ762080	8.0	10	38	88	3
E2762090	EQ762090	9.0	10	38	88	3
E2762100	EQ762100	10.0	10	45	95	4
E2762110	EQ762110	11.0	12	45	102	4
E2762120	EQ762120	12.0	12	53	110	4
E2762130	EQ762130	13.0	12	53	110	4
E2762140	EQ762140	14.0	12	53	110	4
E2762150	EQ762150	15.0	12	53	110	4
E2762160	EQ762160	16.0	16	63	123	4
E2762170	EQ762170	17.0	16	63	123	4
E2762180	EQ762180	18.0	16	63	123	4
E2762190	EQ762190	19.0	16	63	123	4
E2762200	EQ762200	20.0	20	75	141	4
E2762220	EQ762220	22.0	20	75	141	5
E2762240	EQ762240	24.0	25	90	166	5
E2762250	EQ762250	25.0	25	90	166	5
E2762260	EQ762260	26.0	25	90	166	6
E2762280	EQ762280	28.0	25	90	166	6
E2762300	EQ762300	30.0	25	90	166	6
E2762320	EQ762320	32.0	32	106	186	6
E2762350	EQ762350	35.0	32	106	186	6
E2762360	EQ762360	36.0	32	106	186	6
E2762380	EQ762380	38.0	32	125	217	6
E2762400	EQ762400	40.0	32	125	217	6
E2762940	EQ762940	40.0	40	125	217	6

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	±50	±60	±75	±90	±105	±125
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

◎ : 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									
◎	◎	○							○					

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

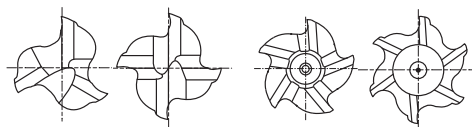
E2754 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EQ754 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

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



Up to Ø20mm

Over Ø20mm



Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN	k10	h6			
E2754060	C3428-060AF	EQ754060	R3428-060AF	6.0	6	13	57	3
E2754070	C3428-070TF	EQ754070	R3428-070TF	7.0	10	16	66	3
E2754080	C4428-080TF	EQ754080	R4428-080TF	8.0	10	19	69	4
E2754090	C4428-090TF	EQ754090	R4428-090TF	9.0	10	19	69	4
E2754100	C4428-100TF	EQ754100	R4428-100TF	10.0	10	22	72	4
E2754110	C4428-110DF	EQ754110	R4428-110DF	11.0	12	22	79	4
E2754120	C4428-120DF	EQ754120	R4428-120DF	12.0	12	26	83	4
E2754130	C4428-130DF	EQ754130	R4428-130DF	13.0	12	26	83	4
E2754140	C4428-140DF	EQ754140	R4428-140DF	14.0	12	26	83	4
E2754150	C4428-150DF	EQ754150	R4428-150DF	15.0	12	26	83	4
E2754160	C4428-160EF	EQ754160	R4428-160EF	16.0	16	32	92	4
E2754180	C4428-180EF	EQ754180	R4428-180EF	18.0	16	32	92	4
E2754200	C4428-200FF	EQ754200	R4428-200FF	20.0	20	38	104	4
E2754220	C5428-220FF	EQ754220	R5428-220FF	22.0	20	38	104	5
E2754250	C5428-250GF	EQ754250	R5428-250GF	25.0	25	45	121	5
E2754280	C5428-280GF	EQ754280	R5428-280GF	28.0	25	45	121	5
E2754300	C5428-300GF	EQ754300	R5428-300GF	30.0	25	45	121	5
E2754320	C5428-320HF	EQ754320	R5428-320HF	32.0	32	53	133	5
E2754360	C6428-360HF	EQ754360	R6428-360HF	36.0	32	53	133	6
E2754400	C6428-400HF	EQ754400	R6428-400HF	40.0	32	63	155	6

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

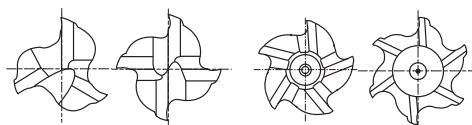
Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
k10	+40 0	+48 0	+58 0	+70 0	+84 0	+100 0
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

◎ : 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 LONG LENGTH ROUGHING & FINISHING

HSSCo8, MULTI SCHNEIDEN LANG SCHRUPPSCHLICHTFRÄSER



Up to Ø20mm

Over Ø20mm



P.1256, 1257

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAlN	k10	h6			
E2768060	EQ768060	6.0	6	24	68	3
E2768080	EQ768080	8.0	10	38	88	4
E2768100	EQ768100	10.0	10	45	95	4
E2768120	EQ768120	12.0	12	53	110	4
E2768140	EQ768140	14.0	12	53	110	4
E2768160	EQ768160	16.0	16	63	123	4
E2768180	EQ768180	18.0	16	63	123	4
E2768200	EQ768200	20.0	20	75	141	4
E2768220	EQ768220	22.0	20	75	141	5
E2768250	EQ768250	25.0	25	90	166	5
E2768300	EQ768300	30.0	25	90	166	5
E2768320	EQ768320	32.0	32	106	186	5
E2768450	EQ768450	45.0	40	125	217	6

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
k10	+40 0	+48 0	+58 0	+70 0	+84 0	+100 0
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

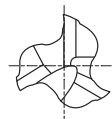
◎ : Excellent ○ : Good

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									
◎	◎	○							○					

**E2766** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**EQ766** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING & FINISHING

HSSCo8, 3 SCHNEIDEN KURZ SCHRUPPSCHLICHTFRÄSER



P.1258, 1259

Unit : mm

EDP		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TiAIN	k10	h6		
E2766060	EQ766060	6.0	6	13	57
E2766080	EQ766080	8.0	10	19	69
E2766100	EQ766100	10.0	10	22	72
E2766120	EQ766120	12.0	12	26	83
E2766130	EQ766130	13.0	12	26	83
E2766140	EQ766140	14.0	12	26	83
E2766160	EQ766160	16.0	16	32	92
E2766180	EQ766180	18.0	16	32	92
E2766200	EQ766200	20.0	20	38	104
E2766220	EQ766220	22.0	20	38	104
E2766250	EQ766250	25.0	25	45	121
E2766280	EQ766280	28.0	25	45	121
E2766300	EQ766300	30.0	25	45	121
E2766320	EQ766320	32.0	32	53	133
E2766360	EQ766360	36.0	32	53	133
E2766400	EQ766400	40.0	32	63	155

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
k10	+40 0	+48 0	+58 0	+70 0	+84 0	+100 0
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

◎ : 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, 3 FLUTE LONG LENGTH ROUGHING & FINISHING HSSCo8, 3 SCHNEIDEN LANG SCHRUPPSCHLICHTFRÄSER



P.1258, 1259

Unit : mm

EDP		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TiAlN	k10	h6		
E2767060	EQ767060	6.0	6	24	68
E2767080	EQ767080	8.0	10	38	88
E2767100	EQ767100	10.0	10	45	95
E2767120	EQ767120	12.0	12	53	110
E2767140	EQ767140	14.0	12	53	110
E2767160	EQ767160	16.0	16	63	123
E2767180	EQ767180	18.0	16	63	123
E2767200	EQ767200	20.0	20	75	141
E2767220	EQ767220	22.0	20	75	141
E2767250	EQ767250	25.0	25	90	166
E2767280	EQ767280	28.0	25	90	166
E2767300	EQ767300	30.0	25	90	166
E2767360	EQ767360	36.0	32	106	186
E2767400	EQ767400	40.0	32	125	217

▶ Other shank design on your request.

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

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
k10	+40 0	+48 0	+58 0	+70 0	+84 0	+100 0
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

◎ : 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									
◎	◎	○							○					

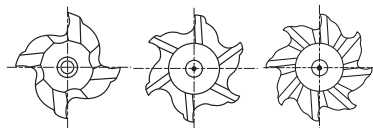

**HSS
END MILLS**
E2776 SERIES

**MORSE TAPER SHANK
MORSE KEGELSCHAFT**
EQ776 SERIES

**MORSE TAPER SHANK
MORSE KEGELSCHAFT**

HSSCo8, MULTI FLUTE SHORT LENGTH

HSSCo8, MULTI SCHNEIDEN KURZ


**HSS
Co8**
**DIN
845**
N
4-8
30°
**DIN
228A**


P.1238, 1239

Unit : mm

EDP No.		Mill Diameter	Length of Cut	Overall Length	Morse Taper No.	No. of Flute
UNCOATED	TiAlN					
E2776140	EQ776140	14.0	26	111	2	4
E2776150	EQ776150	15.0	26	111	2	4
E2776160	EQ776160	16.0	32	117	2	4
E2776180	EQ776180	18.0	32	117	2	4
E2776200	EQ776200	20.0	38	123	2	4
E2776220	EQ776220	22.0	38	123	2	6
E2776240	EQ776240	24.0	45	147	3	6
E2776250	EQ776250	25.0	45	147	3	6
E2776260	EQ776260	26.0	45	147	3	6
E2776280	EQ776280	28.0	45	147	3	6
E2776300	EQ776300	30.0	45	147	3	6
E2776320	EQ776320	32.0	53	178	4	6
E2776350	EQ776350	35.0	53	178	4	6
E2776360	EQ776360	36.0	53	178	4	6
E2776380	EQ776380	38.0	63	188	4	6
E2776400	EQ776400	40.0	63	188	4	6
E2776420	EQ776420	42.0	63	188	4	6
E2776440	EQ776440	44.0	63	188	4	6
E2776450	EQ776450	45.0	63	188	4	8
E2776500	EQ776500	50.0	75	233	5	8

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

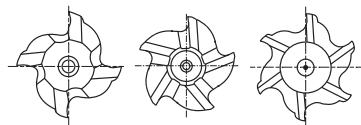
Mill Dia.
Tolerance(mm)

±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 SHORT LENGTH ROUGHING - COARSE HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - GROB



P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Length of Cut	Overall Length	Morse Taper No.	No. of Flute
UNCOATED	TiAlN					
E2777140	EQ777140	14.0	26	111	2	4
E2777160	EQ777160	16.0	32	117	2	4
E2777180	EQ777180	18.0	32	117	2	4
E2777200	EQ777200	20.0	38	123	2	4
E2777220	EQ777220	22.0	38	123	2	5
E2777240	EQ777240	24.0	45	147	3	5
E2777250	EQ777250	25.0	45	147	3	5
E2777260	EQ777260	26.0	45	147	3	5
E2777270	EQ777270	27.0	45	147	3	6
E2777280	EQ777280	28.0	45	147	3	6
E2777300	EQ777300	30.0	45	147	3	6
E2777320	EQ777320	32.0	53	178	4	6
E2777350	EQ777350	35.0	53	178	4	6
E2777360	EQ777360	36.0	53	178	4	6
E2777380	EQ777380	38.0	63	188	4	6
E2777400	EQ777400	40.0	63	188	4	6
E2777450	EQ777450	45.0	63	188	4	6
E2777500	EQ777500	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									
◎	◎	○							○					



E2778 SERIES

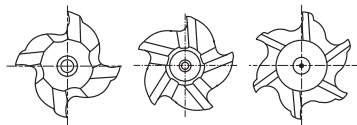
MORSE TAPER SHANK
MORSE KEGELSCHAFT

EQ778 SERIES

MORSE TAPER SHANK
MORSE KEGELSCHAFT

HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - FINE

HSSCo8, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - FEIN



P.1248, 1249

Unit : mm

EDP No.		Mill Diameter	Length of Cut	Overall Length	Morse Taper No.	No. of Flute
UNCOATED	TiAIN					
E2778160	EQ778160	16.0	32	117	2	4
E2778180	EQ778180	18.0	32	117	2	4
E2778200	EQ778200	20.0	38	123	2	4
E2778220	EQ778220	22.0	38	123	2	5
E2778240	EQ778240	24.0	45	147	3	5
E2778250	EQ778250	25.0	45	147	3	5
E2778260	EQ778260	26.0	45	147	3	5
E2778280	EQ778280	28.0	45	147	3	6
E2778300	EQ778300	30.0	45	147	3	6
E2778320	EQ778320	32.0	53	178	4	6
E2778350	EQ778350	35.0	53	178	4	6
E2778360	EQ778360	36.0	53	178	4	6
E2778380	EQ778380	38.0	63	188	4	6
E2778400	EQ778400	40.0	63	188	4	6
E2778450	EQ778450	45.0	63	188	4	6
E2778500	EQ778500	50.0	75	233	5	6

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

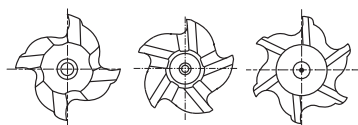
Mill Dia.
Tolerance(mm)

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



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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA**HSS
END MILLS****E3570** SERIES

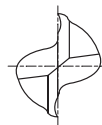
FLAT SHANK

SEITLICHE MITNAHMEFLÄCHEN

ER570 SERIES

FLAT SHANK

SEITLICHE MITNAHMEFLÄCHEN

HSS-PM, 2 FLUTE SHORT LENGTH
HSS-PM, 2 SCHNEIDEN KURZ**HSS
PM****DIN
327****N****2****DIN
1835B**

P.1262

Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter e8	Shank Diameter h6	Length of Cut	Overall Length
UNCOATED	UNCOATED	TiAIN	TiAIN				
E3570020	P2GRS-020AF	ER570020	Z2GRS-020AF	2.0	6	4	48
E3570025	P2GRS-025AF	ER570025	Z2GRS-025AF	2.5	6	5	49
E3570030	P2GRS-030AF	ER570030	Z2GRS-030AF	3.0	6	5	49
E3570040	P2GRS-040AF	ER570040	Z2GRS-040AF	4.0	6	7	51
E3570050	P2GRS-050AF	ER570050	Z2GRS-050AF	5.0	6	8	52
E3570060	P2GRS-060AF	ER570060	Z2GRS-060AF	6.0	6	8	52
E3570070	P2GRS-070TF	ER570070	Z2GRS-070TF	7.0	10	10	60
E3570080	P2GRS-080TF	ER570080	Z2GRS-080TF	8.0	10	11	61
E3570090	P2GRS-090TF	ER570090	Z2GRS-090TF	9.0	10	11	61
E3570100	P2GRS-100TF	ER570100	Z2GRS-100TF	10.0	10	13	63
E3570110	P2GRS-110DF	ER570110	Z2GRS-110DF	11.0	12	13	70
E3570120	P2GRS-120DF	ER570120	Z2GRS-120DF	12.0	12	16	73
E3570130	P2GRS-130DF	ER570130	Z2GRS-130DF	13.0	12	16	73
E3570140	P2GRS-140DF	ER570140	Z2GRS-140DF	14.0	12	16	73
E3570150	P2GRS-150DF	ER570150	Z2GRS-150DF	15.0	12	16	73
E3570160	P2GRS-160EF	ER570160	Z2GRS-160EF	16.0	16	19	79
E3570170	P2GRS-170EF	ER570170	Z2GRS-170EF	17.0	16	19	79
E3570180	P2GRS-180EF	ER570180	Z2GRS-180EF	18.0	16	19	79
E3570190	P2GRS-190EF	ER570190	Z2GRS-190EF	19.0	16	19	79
E3570200	P2GRS-200FF	ER570200	Z2GRS-200FF	20.0	20	22	88
E3570220	P2GRS-220FF	ER570220	Z2GRS-220FF	22.0	20	22	88
E3570240	P2GRS-240GF	ER570240	Z2GRS-240GF	24.0	25	26	102
E3570250	P2GRS-250GF	ER570250	Z2GRS-250GF	25.0	25	26	102
E3570280	P2GRS-280GF	ER570280	Z2GRS-280GF	28.0	25	26	102
E3570300	P2GRS-300GF	ER570300	Z2GRS-300GF	30.0	25	26	102

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

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	0 — 6	0 — 8	0 — 9	0 — 11	0 — 13	0 — 16

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

◎ : Excellent ○ : Good

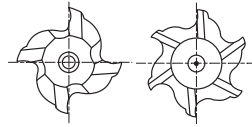
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel	Acrylic	CFRP
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70									
◎	◎	○							○					

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**E3574, ER574** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**E3575, ER575** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

HSS-PM, 4&6 FLUTE SHORT LENGTH

HSS-PM, 4&6 SCHNEIDEN KURZ



Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E3574020	P4GRS-020AF	ER574020	Z4GRS-020AF	2.0	6	7	51	4
E3574030	P4GRS-030AF	ER574030	Z4GRS-030AF	3.0	6	8	52	4
E3574040	P4GRS-040AF	ER574040	Z4GRS-040AF	4.0	6	11	55	4
E3574050	P4GRS-050AF	ER574050	Z4GRS-050AF	5.0	6	13	57	4
E3574060	P4GRS-060AF	ER574060	Z4GRS-060AF	6.0	6	13	57	4
E3574070	P4GRS-070TF	ER574070	Z4GRS-070TF	7.0	10	16	66	4
E3574080	P4GRS-080TF	ER574080	Z4GRS-080TF	8.0	10	19	69	4
E3574090	P4GRS-090TF	ER574090	Z4GRS-090TF	9.0	10	19	69	4
E3574100	P4GRS-100TF	ER574100	Z4GRS-100TF	10.0	10	22	72	4
E3574120	P4GRS-120DF	ER574120	Z4GRS-120DF	12.0	12	26	83	4
E3574140	P4GRS-140DF	ER574140	Z4GRS-140DF	14.0	12	26	83	4
E3574160	P4GRS-160EF	ER574160	Z4GRS-160EF	16.0	16	32	92	4
E3574180	P4GRS-180EF	ER574180	Z4GRS-180EF	18.0	16	32	92	4
E3574200	P4GRS-200FF	ER574200	Z4GRS-200FF	20.0	20	38	104	4
E3575220	P6GRS-220FF	ER575220	Z6GRS-220FF	22.0	20	38	104	6
E3575240	P6GRS-240GF	ER575240	Z6GRS-240GF	24.0	25	45	121	6
E3575250	P6GRS-250GF	ER575250	Z6GRS-250GF	25.0	25	45	121	6
E3575280	P6GRS-280GF	ER575280	Z6GRS-280GF	28.0	25	45	121	6
E3575300	P6GRS-300GF	ER575300	Z6GRS-300GF	30.0	25	45	121	6

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
+ 0.04 - 0	h6

◎ : 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									
◎	◎	○							○					

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

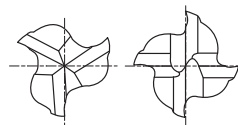
K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
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END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA**HSS
END MILLS****E3462, ER462** SERIES**E3463, ER463** SERIESFLAT SHANK
SEITLICHE MITNAHMEFLÄCHENFLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN**HSS-PM, 3&4 FLUTE 60° HELIX SHORT LENGTH**
HSS-PM, 3&4 SCHNEIDEN 60° RECHTSSPIRALE KURZ**HSS
PM****DIN
844****N****3&4****60°****DIN
1835B**

P.1264

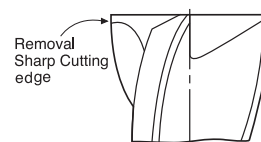
Unit : mm

EDP No.	ITEM No.	EDP No.	ITEM No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	UNCOATED	TiAIN	TiAIN					
E3462060	P3ERH-060AF	ER462060	Z3ERH-060AF	6.0	6	13	57	3
E3462070	P3ERH-070TF	ER462070	Z3ERH-070TF	7.0	10	16	66	3
E3462080	P3ERH-080TF	ER462080	Z3ERH-080TF	8.0	10	19	69	3
E3462090	P3ERH-090TF	ER462090	Z3ERH-090TF	9.0	10	19	69	3
E3462100	P3ERH-100TF	ER462100	Z3ERH-100TF	10.0	10	22	72	3
E3462120	P3ERH-120DF	ER462120	Z3ERH-120DF	12.0	12	26	83	3
E3462140	P3ERH-140DF	ER462140	Z3ERH-140DF	14.0	12	26	83	3
E3462150	P3ERH-150DF	ER462150	Z3ERH-150DF	15.0	12	26	83	3
E3462160	P3ERH-160EF	ER462160	Z3ERH-160EF	16.0	16	32	92	3
E3462180	P3ERH-180EF	ER462180	Z3ERH-180EF	18.0	16	32	92	3
E3462200	P3ERH-200FF	ER462200	Z3ERH-200FF	20.0	20	38	104	3
E3463250	P4ERH-250GF	ER463250	Z4ERH-250GF	25.0	25	45	121	4
E3463300	P4ERH-300GF	ER463300	Z4ERH-300GF	30.0	25	45	121	4

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Mill Dia. Tolerance(mm)		Shank Dia. Tolerance
up to Ø6.5	+ 0.048 — 0	h6
Ø7.0 ~ Ø10.0	+ 0.058 — 0	
Ø10.5 ~ Ø18.0	+ 0.070 — 0	
over Ø18.0	+ 0.084 — 0	



◎ : 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									
◎	◎	○							○					

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PREMIUM HSS-PM, 2 FLUTE SHORT LENGTH

PREMIUM HSS-PM, 2 SCHNEIDEN KURZ



Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TiAIN	e8	h6		
E9410020	EP410020	2.0	6	4	48
E9410030	EP410030	3.0	6	5	49
E9410040	EP410040	4.0	6	7	51
E9410050	EP410050	5.0	6	8	52
E9410060	EP410060	6.0	6	8	52
E9410080	EP410080	8.0	10	11	61
E9410100	EP410100	10.0	10	13	63
E9410120	EP410120	12.0	12	16	73
E9410140	EP410140	14.0	12	16	73
E9410160	EP410160	16.0	16	19	79
E9410180	EP410180	18.0	16	19	79
E9410200	EP410200	20.0	20	22	88
E9410220	EP410220	22.0	20	22	88
E9410250	EP410250	25.0	25	26	102

► Other shank design on your request.

► TiN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
e8	— 14 — 28	— 20 — 38	— 25 — 47	— 32 — 59	— 40 — 73	— 50 — 89
h6	— 0 — 6	— 0 — 8	— 0 — 9	— 0 — 11	— 0 — 13	— 0 — 16

◎ : 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									
◎	◎	○							○					

CARBIDE

HSS

CBN
END MILLSi-Xmill
END MILLSi-HS mill
END MILLSX5070
END MILLS4G MILL
END MILLSX-SPEED
ROUGHER
END MILLSX-POWER
END MILLSJET-POWER
END MILLSTN MILL
END MILLSV7 Mill
END MILLSALU-POWER
END MILLSCRX S
END MILLSD-POWER
GRAPHITE
END MILLSD-POWER
CFRP
END MILLS

ROUTERS

K-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

E9720 SERIES

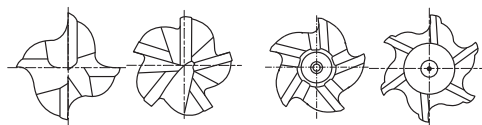
FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

EP720 SERIES

FLAT SHANK
SEITLICHE MITNAHMEFLÄCHEN

PREMIUM HSS-PM, MULTI FLUTE SHORT LENGTH ROUGHING - FINE

PREMIUM HSS-PM, MULTI SCHNEIDEN KURZ SCHRUPPFRÄSER - FEIN



Up to Ø20mm

Over Ø20mm



Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length	No. of Flute
UNCOATED	TiAIN	js12	h6			
E9720060	EP720060	6.0	6	13	57	4
E9720070	EP720070	7.0	10	16	66	4
E9720080	EP720080	8.0	10	19	69	4
E9720090	EP720090	9.0	10	19	69	5
E9720100	EP720100	10.0	10	22	72	5
E9720110	EP720110	11.0	12	22	79	5
E9720120	EP720120	12.0	12	26	83	5
E9720130	EP720130	13.0	12	26	83	5
E9720140	EP720140	14.0	12	26	83	5
E9720150	EP720150	15.0	12	26	83	5
E9720160	EP720160	16.0	16	32	92	5
E9720180	EP720180	18.0	16	32	92	5
E9720200	EP720200	20.0	20	38	104	5
E9720220	EP720220	22.0	20	38	104	5
E9720250	EP720250	25.0	25	45	121	6
E9720300	EP720300	30.0	25	45	121	6

► Other shank design on your request.

► TIN-COATING & TiCN-COATING are available on your request.

Tolerances according to DIN 7160 & 7161

Toleranzen nach DIN 7160 & 7161

Tolerance range in μm / Toleranzwerte in μm						
Nominal-Diameter in mm / Nennmaßbereich in mm						
	from 1 to 3 von 1 bis 3	over 3 to 6 über 3 bis 6	over 6 to 10 über 6 bis 10	over 10 to 18 über 10 bis 18	over 18 to 30 über 18 bis 30	over 30 to 50 über 30 bis 50
js12	±50	±60	±75	±90	±105	±125
h6	$\frac{0}{-6}$	$\frac{0}{-8}$	$\frac{0}{-9}$	$\frac{0}{-11}$	$\frac{0}{-13}$	$\frac{0}{-16}$

◎ : 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									
◎	◎	○							○					

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YG-1 CO., LTD.

HSSCo8, 2 FLUTE - SLOTTING

HSSCo8, 2 SCHNEIDEN - NUTENFRÄSEN

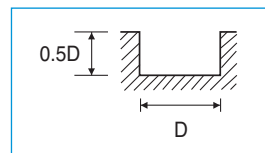
E2570, E2571, E2510 SERIES

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
2.0	5600	40	35	0.004	4500	30	30	0.003	4000	30	25	0.004
3.0	3500	55	35	0.008	3200	45	30	0.007	2500	40	25	0.008
4.0	2800	70	35	0.013	2200	55	30	0.013	1800	45	25	0.013
5.0	2200	90	35	0.020	1800	70	30	0.019	1600	60	25	0.019
6.0	1800	90	35	0.025	1600	80	30	0.025	1200	60	25	0.025
8.0	1400	100	35	0.036	1100	90	30	0.041	900	70	25	0.039
10.0	1100	100	35	0.045	900	90	30	0.050	800	80	25	0.050
12.0	900	110	35	0.061	800	100	30	0.063	630	80	25	0.063
14.0	800	110	35	0.069	700	90	30	0.064	560	80	25	0.071
16.0	700	110	35	0.079	560	90	30	0.080	450	70	25	0.078
18.0	630	100	35	0.079	500	90	30	0.090	400	70	25	0.088
20.0	560	100	35	0.089	450	90	30	0.100	400	70	25	0.088
22.0	500	100	35	0.100	450	90	30	0.100	350	70	25	0.100
25.0	450	90	35	0.100	400	80	30	0.100	310	60	25	0.097
28.0	400	80	35	0.100	350	70	30	0.100	280	55	25	0.098
30.0	350	70	35	0.100	310	60	30	0.097	250	50	25	0.100
32.0	350	70	35	0.100	280	55	30	0.098	220	45	20	0.102
36.0	310	60	35	0.097	250	50	30	0.100	200	40	25	0.100
40.0	280	60	35	0.107	220	50	30	0.114	180	40	25	0.111

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
2.0	2200	15	15	0.003	12000	160	75	0.007
3.0	1600	20	15	0.006	11000	250	105	0.011
4.0	1100	30	15	0.014	8000	290	100	0.018
5.0	900	35	15	0.019	6300	310	100	0.025
6.0	800	40	15	0.025	5600	310	105	0.028
8.0	560	45	15	0.040	4000	390	100	0.049
10.0	450	45	15	0.050	3100	400	95	0.065
12.0	400	50	15	0.063	2500	380	95	0.076
14.0	350	50	15	0.071	2200	350	95	0.080
16.0	280	45	15	0.080	2000	350	100	0.088
18.0	250	45	15	0.090	1800	350	100	0.097
20.0	220	45	15	0.102	1600	320	100	0.100
22.0	220	45	15	0.102	1400	300	95	0.107
25.0	180	35	15	0.097	1200	280	95	0.117
28.0	160	30	15	0.094	1100	270	95	0.123
30.0	160	30	15	0.094	1100	270	105	0.123
32.0	140	30	15	0.107	1000	240	100	0.120
36.0	120	25	15	0.104	900	220	100	0.122
40.0	110	25	15	0.114	800	200	100	0.125

※ 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



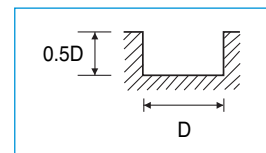

HSSCo8, 2 FLUTE TiAlN COATED - SLOTTING
HSSCo8, 2 SCHNEIDEN TiAlN-BESCHICHTET - NUTENFRÄSEN
E2570, E2571, E2510 SERIES

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
2.0	7850	55	50	0.004	6300	40	40	0.003	5600	40	35	0.004
3.0	4900	75	45	0.008	4500	65	40	0.007	3500	55	35	0.008
4.0	3900	100	50	0.013	3100	75	40	0.012	2500	65	30	0.013
5.0	3100	125	50	0.020	2500	100	40	0.020	2250	85	35	0.019
6.0	2500	125	45	0.025	2250	110	40	0.024	1700	85	30	0.025
8.0	1950	140	50	0.036	1550	125	40	0.040	1250	100	30	0.040
10.0	1550	140	50	0.045	1250	125	40	0.050	1100	110	35	0.050
12.0	1250	155	45	0.062	1100	140	40	0.064	900	110	35	0.061
14.0	1100	155	50	0.070	1000	125	45	0.063	800	110	35	0.069
16.0	1000	155	50	0.078	800	125	40	0.078	650	100	35	0.077
18.0	900	140	50	0.078	700	125	40	0.089	550	100	30	0.091
20.0	800	140	50	0.088	650	125	40	0.096	550	100	35	0.091
22.0	700	140	50	0.100	650	125	45	0.096	500	100	35	0.100
25.0	650	125	50	0.096	550	110	45	0.100	450	85	35	0.094
28.0	550	110	50	0.100	500	100	45	0.100	400	75	35	0.094
30.0	500	100	45	0.100	450	85	40	0.094	350	70	35	0.100
32.0	500	100	50	0.100	400	75	40	0.094	300	65	30	0.108
36.0	450	85	50	0.094	350	70	40	0.100	300	55	35	0.092
40.0	400	85	50	0.106	300	70	40	0.117	250	55	30	0.110

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
2.0	3100	20	20	0.003	16800	225	105	0.007
3.0	2250	30	20	0.007	15400	350	145	0.011
4.0	1550	40	20	0.013	11200	405	140	0.018
5.0	1250	50	20	0.020	8800	435	140	0.025
6.0	1100	55	20	0.025	7850	435	150	0.028
8.0	800	65	20	0.041	5600	545	140	0.049
10.0	650	65	20	0.050	4350	560	135	0.064
12.0	550	70	20	0.064	3500	530	130	0.076
14.0	500	70	20	0.070	3100	490	135	0.079
16.0	400	65	20	0.081	2800	490	140	0.088
18.0	350	65	20	0.093	2500	490	140	0.098
20.0	300	65	20	0.108	2250	450	140	0.100
22.0	300	65	20	0.108	1950	420	135	0.108
25.0	250	50	20	0.100	1700	390	135	0.115
28.0	200	40	20	0.100	1550	380	135	0.123
30.0	200	40	20	0.100	1550	380	145	0.123
32.0	200	40	20	0.100	1400	335	140	0.120
36.0	150	35	15	0.117	1250	310	140	0.124
40.0	150	35	20	0.117	1100	280	140	0.127

※ 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



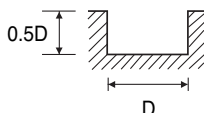
HSSCo8, 2 FLUTE 42° HELIX

HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE

E2464, E2509 SERIES

SLOTING

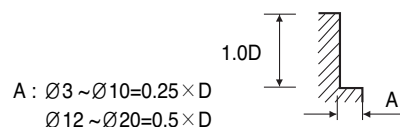
MATERIAL	ALUMINUM NONFERROUS METALS			
DIAMETER	RPM	FEED	Vc	fz
3.0	8000	560	75	0.035
6.0	7000	700	130	0.050
8.0	6000	850	150	0.071
10.0	5000	1200	155	0.120
12.0	5000	1200	190	0.120
14.0	3500	1240	155	0.177
16.0	3500	1240	175	0.177
18.0	2300	1300	130	0.283
20.0	2300	1300	145	0.283



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

SIDE CUTTING

MATERIAL	ALUMINUM NONFERROUS METALS			
DIAMETER	RPM	FEED	Vc	fz
3.0	8000	730	75	0.046
6.0	7000	900	130	0.064
8.0	6000	1100	150	0.092
10.0	5000	1500	155	0.150
12.0	5000	1500	190	0.150
14.0	3500	1600	155	0.229
16.0	3500	1600	175	0.229
18.0	2300	1700	130	0.370
20.0	2300	1700	145	0.370



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

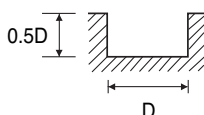
HSSCo8, 2 FLUTE 42° HELIX TiCN COATED

HSSCo8, 2 SCHNEIDEN 42° RECHTSSPIRALE TiCN-BESCHICHTET

E2464, E2509 SERIES

SLOTING

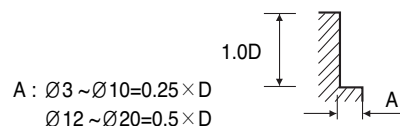
MATERIAL	ALUMINUM NONFERROUS METALS			
DIAMETER	RPM	FEED	Vc	fz
3.0	10400	730	100	0.035
6.0	9100	910	170	0.050
8.0	7800	1100	195	0.071
10.0	6500	1560	205	0.120
12.0	6500	1560	245	0.120
14.0	4500	1610	200	0.179
16.0	4500	1610	225	0.179
18.0	3000	1700	170	0.283
20.0	3000	1700	190	0.283



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

SIDE CUTTING

MATERIAL	ALUMINUM NONFERROUS METALS			
DIAMETER	RPM	FEED	Vc	fz
3.0	10400	950	100	0.046
6.0	9100	1150	170	0.063
8.0	7800	1400	195	0.090
10.0	6500	1950	205	0.150
12.0	6500	1950	245	0.150
14.0	4500	2080	200	0.231
16.0	4500	2080	225	0.231
18.0	3000	2210	170	0.368
20.0	3000	2210	190	0.368



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

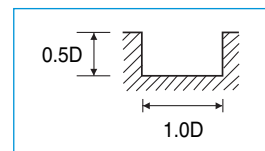
HSSCo8, 3 FLUTE - SLOTTING
HSSCo8, 3 SCHNEIDEN - NUTENFRÄSEN
E2572, E2573, E2516, E2553, E2554, E2551, E2552 SERIES

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
2.0	5600	35	35	0.002	4500	25	30	0.002	4000	20	25	0.002
3.0	3500	50	35	0.005	3200	35	30	0.004	2500	25	25	0.003
4.0	2800	60	35	0.007	2200	45	30	0.007	1800	30	25	0.006
5.0	2200	80	35	0.012	1800	55	30	0.010	1600	40	25	0.008
6.0	1800	80	35	0.015	1600	65	30	0.014	1200	40	25	0.011
8.0	1400	90	35	0.021	1100	70	30	0.021	900	50	25	0.019
10.0	1100	90	35	0.027	900	70	30	0.026	800	55	25	0.023
12.0	900	100	35	0.037	800	80	30	0.033	630	55	25	0.029
14.0	800	100	35	0.042	700	70	30	0.033	560	55	25	0.033
16.0	700	100	35	0.048	560	70	30	0.042	450	50	25	0.037
18.0	630	90	35	0.048	500	70	30	0.047	400	50	25	0.042
20.0	560	90	35	0.054	450	70	30	0.052	400	50	25	0.042
22.0	500	90	35	0.060	450	70	30	0.052	350	50	25	0.048
25.0	450	80	35	0.059	400	65	30	0.054	310	40	25	0.043
28.0	400	70	35	0.058	350	55	30	0.052	280	35	25	0.042
30.0	350	60	35	0.057	310	50	30	0.054	250	30	25	0.040
32.0	350	60	35	0.057	280	45	30	0.054	220	30	20	0.045
35.0	320	55	35	0.057	260	40	30	0.051	210	25	25	0.040
36.0	310	55	35	0.059	250	40	30	0.053	200	25	25	0.042
40.0	280	55	35	0.065	220	40	30	0.061	180	25	25	0.046

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
2.0	2200	10	15	0.002	12000	110	75	0.003
3.0	1600	15	15	0.003	11000	170	105	0.005
4.0	1100	20	15	0.006	8000	200	100	0.008
5.0	900	20	15	0.007	6300	210	100	0.011
6.0	800	25	15	0.010	5600	210	105	0.013
8.0	560	30	15	0.018	4000	260	100	0.022
10.0	450	30	15	0.022	3100	270	95	0.029
12.0	400	35	15	0.029	2500	260	95	0.035
14.0	350	35	15	0.033	2200	240	95	0.036
16.0	280	30	15	0.036	2000	240	100	0.040
18.0	250	30	15	0.040	1800	240	100	0.044
20.0	220	30	15	0.045	1600	220	100	0.046
22.0	220	30	15	0.045	1400	200	95	0.048
25.0	180	20	15	0.037	1200	190	95	0.053
28.0	160	20	15	0.042	1100	180	95	0.055
30.0	160	20	15	0.042	1100	180	105	0.055
32.0	140	20	15	0.048	1000	160	100	0.053
35.0	130	15	15	0.038	950	150	105	0.053
36.0	120	15	15	0.042	900	150	100	0.056
40.0	110	15	15	0.045	800	130	100	0.054

※ 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



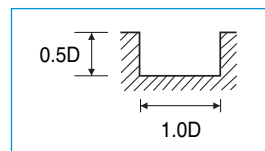
HSSCo8, 3 FLUTE TiAlN COATED - SLOTTING
HSSCo8, 3 SCHNEIDEN TiAlN-BESCHICHTET - NUTENFRÄSEN
E2572, E2573, E2516, E2553, E2554, E2551, E2552 SERIES

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
2.0	7900	50	50	0.002	6300	35	40	0.002	5600	30	35	0.002
3.0	4900	70	45	0.005	4500	50	40	0.004	3500	35	35	0.003
4.0	3900	85	50	0.007	3100	60	40	0.006	2500	40	30	0.005
5.0	3100	110	50	0.012	2500	75	40	0.010	2200	55	35	0.008
6.0	2500	110	45	0.015	2200	90	40	0.014	1700	55	30	0.011
8.0	2000	125	50	0.021	1500	100	40	0.022	1300	70	35	0.018
10.0	1500	125	45	0.028	1300	110	40	0.028	1100	75	35	0.023
12.0	1300	140	50	0.036	1100	110	40	0.033	880	75	35	0.028
14.0	1100	140	50	0.042	980	100	45	0.034	780	75	35	0.032
16.0	980	140	50	0.048	780	100	40	0.043	630	70	30	0.037
18.0	880	125	50	0.047	700	100	40	0.048	560	70	30	0.042
20.0	780	125	50	0.053	630	100	40	0.053	560	70	35	0.042
22.0	700	125	50	0.060	630	100	45	0.053	490	70	35	0.048
25.0	630	110	50	0.058	560	90	45	0.054	430	55	35	0.043
28.0	560	100	50	0.060	490	75	45	0.051	390	50	35	0.043
30.0	490	85	45	0.058	430	70	40	0.054	350	40	35	0.038
32.0	490	85	50	0.058	390	65	40	0.056	310	40	30	0.043
35.0	450	80	50	0.059	360	60	40	0.056	290	35	30	0.040
36.0	430	75	50	0.058	350	55	40	0.052	280	35	30	0.042
40.0	390	75	50	0.064	310	55	40	0.059	250	35	30	0.047

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
2.0	3100	15	20	0.002	16800	150	105	0.003
3.0	2200	20	20	0.003	15400	240	145	0.005
4.0	1500	30	20	0.007	11200	280	140	0.008
5.0	1300	30	20	0.008	8800	290	140	0.011
6.0	1100	35	20	0.011	7800	290	145	0.012
8.0	780	40	20	0.017	5600	360	140	0.021
10.0	630	40	20	0.021	4300	380	135	0.029
12.0	560	50	20	0.030	3500	360	130	0.034
14.0	490	50	20	0.034	3100	340	135	0.037
16.0	390	40	20	0.034	2800	340	140	0.040
18.0	350	40	20	0.038	2500	340	140	0.045
20.0	310	40	20	0.043	2200	310	140	0.047
22.0	310	40	20	0.043	1950	280	135	0.048
25.0	250	30	20	0.040	1700	270	135	0.053
28.0	220	30	20	0.045	1500	250	130	0.056
30.0	220	30	20	0.045	1500	250	140	0.056
32.0	200	30	20	0.050	1400	225	140	0.054
35.0	180	25	20	0.046	1300	215	145	0.055
36.0	170	20	20	0.039	1250	210	140	0.056
40.0	150	20	20	0.044	1100	180	140	0.055

※ 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



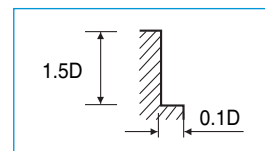

HSSCo8, 3 FLUTE - SIDE CUTTING
HSSCo8, 3 SCHNEIDEN - SEITENFRÄSEN
E2572, E2573, E2516, E2553, E2554, E2551, E2552 SERIES

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
2.0	5600	60	35	0.004	4500	40	30	0.003	4000	35	25	0.003
3.0	3500	80	35	0.008	3200	60	30	0.006	2500	45	25	0.006
4.0	2800	105	35	0.013	2200	75	30	0.011	1800	50	25	0.009
5.0	2200	135	35	0.020	1800	95	30	0.018	1600	65	25	0.014
6.0	1800	135	35	0.025	1600	110	30	0.023	1200	65	25	0.018
8.0	1400	150	35	0.036	1100	120	30	0.036	900	80	25	0.030
10.0	1100	150	35	0.045	900	120	30	0.044	800	90	25	0.038
12.0	900	165	35	0.061	800	135	30	0.056	630	90	25	0.048
14.0	800	165	35	0.069	700	120	30	0.057	560	90	25	0.054
16.0	700	165	35	0.079	560	120	30	0.071	450	80	25	0.059
18.0	630	150	35	0.079	500	120	30	0.080	400	80	25	0.067
20.0	560	150	35	0.089	450	120	30	0.089	400	80	25	0.067
22.0	500	150	35	0.100	450	120	30	0.089	350	80	25	0.076
25.0	450	135	35	0.100	400	110	30	0.092	310	65	25	0.070
28.0	400	120	35	0.100	350	95	30	0.090	280	60	25	0.071
30.0	350	105	35	0.100	310	80	30	0.086	250	55	25	0.073
32.0	350	105	35	0.100	280	75	30	0.089	220	50	20	0.076
35.0	320	95	35	0.099	260	65	30	0.083	210	45	25	0.071
36.0	310	90	35	0.097	250	65	30	0.087	200	45	25	0.075
40.0	280	90	35	0.107	220	65	30	0.098	180	45	25	0.083

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
2.0	2200	15	15	0.002	12000	180	75	0.005
3.0	1600	20	15	0.004	11000	280	105	0.008
4.0	1100	30	15	0.009	8000	330	100	0.014
5.0	900	35	15	0.013	6300	350	100	0.019
6.0	800	45	15	0.019	5600	350	105	0.021
8.0	560	50	15	0.030	4000	440	100	0.037
10.0	450	50	15	0.037	3100	450	95	0.048
12.0	400	55	15	0.046	2500	430	95	0.057
14.0	350	55	15	0.052	2200	400	95	0.061
16.0	280	50	15	0.060	2000	400	100	0.067
18.0	250	50	15	0.067	1800	400	100	0.074
20.0	220	50	15	0.076	1600	360	100	0.075
22.0	220	50	15	0.076	1400	340	95	0.081
25.0	180	35	15	0.065	1200	320	95	0.089
28.0	160	30	15	0.063	1100	300	95	0.091
30.0	160	30	15	0.063	1100	300	105	0.091
32.0	140	30	15	0.071	1000	270	100	0.090
35.0	130	25	15	0.064	950	260	105	0.091
36.0	120	25	15	0.069	900	250	100	0.093
40.0	110	25	15	0.076	800	220	100	0.092

※ 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



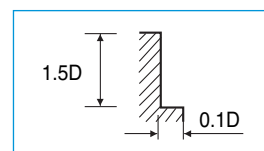
HSSCo8, 3 FLUTE TiAlN COATED - SIDE CUTTING
HSSCo8, 3 SCHNEIDEN TiAlN-BESCHICHTET - SEITENFRÄSEN
E2572, E2573, E2516, E2553, E2554, E2551, E2552 SERIES

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
2.0	7900	85	50	0.004	6300	55	40	0.003	5600	50	35	0.003
3.0	4900	110	45	0.007	4500	85	40	0.006	3500	60	35	0.006
4.0	3900	145	50	0.012	3100	105	40	0.011	2500	70	30	0.009
5.0	3100	190	50	0.020	2500	130	40	0.017	2200	90	35	0.014
6.0	2500	190	45	0.025	2200	155	40	0.023	1700	90	30	0.018
8.0	2000	210	50	0.035	1500	170	40	0.038	1300	110	35	0.028
10.0	1500	210	45	0.047	1300	170	40	0.044	1100	125	35	0.038
12.0	1300	230	50	0.059	1100	190	40	0.058	880	125	35	0.047
14.0	1100	230	50	0.070	980	170	45	0.058	780	125	35	0.053
16.0	980	230	50	0.078	780	170	40	0.073	630	110	30	0.058
18.0	880	210	50	0.080	700	170	40	0.081	560	110	30	0.065
20.0	780	210	50	0.090	630	170	40	0.090	560	110	35	0.065
22.0	700	210	50	0.100	630	170	45	0.090	490	110	35	0.075
25.0	630	190	50	0.101	560	155	45	0.092	430	90	35	0.070
28.0	560	170	50	0.101	490	130	45	0.088	390	85	35	0.073
30.0	490	145	45	0.099	430	110	40	0.085	350	75	35	0.071
32.0	490	145	50	0.099	390	105	40	0.090	310	70	30	0.075
35.0	450	130	50	0.096	360	95	40	0.088	290	65	30	0.075
36.0	430	125	50	0.097	350	90	40	0.086	280	65	30	0.077
40.0	390	125	50	0.107	310	90	40	0.097	250	65	30	0.087

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
2.0	3100	20	20	0.002	16800	250	105	0.005
3.0	2200	30	20	0.005	15400	390	145	0.008
4.0	1500	40	20	0.009	11200	460	140	0.014
5.0	1300	50	20	0.013	8800	490	140	0.019
6.0	1100	60	20	0.018	7800	490	145	0.021
8.0	780	70	20	0.030	5600	620	140	0.037
10.0	630	70	20	0.037	4300	630	135	0.049
12.0	560	75	20	0.045	3500	600	130	0.057
14.0	490	75	20	0.051	3100	560	135	0.060
16.0	390	70	20	0.060	2800	560	140	0.067
18.0	350	70	20	0.067	2500	560	140	0.075
20.0	310	70	20	0.075	2200	500	140	0.076
22.0	310	70	20	0.075	1950	480	135	0.082
25.0	250	50	20	0.067	1700	450	135	0.088
28.0	220	40	20	0.061	1500	420	130	0.093
30.0	220	40	20	0.061	1500	420	140	0.093
32.0	200	40	20	0.067	1400	380	140	0.090
35.0	180	35	20	0.065	1300	360	145	0.092
36.0	170	35	20	0.069	1250	350	140	0.093
40.0	150	35	20	0.078	1100	310	140	0.094

※ 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



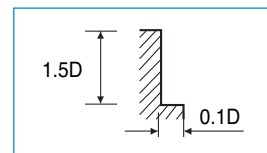

HSSCo8, MULTI FLUTE - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN - SEITENFRÄSEN
E2574, E2575, E2576, E2577, E2597, E2598, E2776 SERIES

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
2.0	5600	80	35	0.004	4500	55	30	0.003	4000	45	25	0.003
3.0	3500	110	35	0.008	3200	80	30	0.006	2500	60	25	0.006
4.0	2800	140	35	0.013	2200	100	30	0.011	1800	65	25	0.009
5.0	2200	180	35	0.020	1800	125	30	0.017	1600	90	25	0.014
6.0	1800	180	35	0.025	1600	145	30	0.023	1200	90	25	0.019
8.0	1400	200	35	0.036	1100	160	30	0.036	900	105	25	0.029
10.0	1100	200	35	0.045	900	160	30	0.044	800	120	25	0.038
12.0	900	220	35	0.061	800	180	30	0.056	630	120	25	0.048
14.0	800	220	35	0.069	700	160	30	0.057	560	120	25	0.054
16.0	700	220	35	0.079	560	160	30	0.071	450	105	25	0.058
18.0	630	200	35	0.079	500	160	30	0.080	400	105	25	0.066
20.0	560	200	35	0.089	450	160	30	0.089	400	105	25	0.066
22.0	500	200	35	0.067	450	160	30	0.059	350	105	25	0.050
25.0	450	180	35	0.067	400	145	30	0.060	310	90	25	0.048
28.0	400	160	35	0.067	350	125	30	0.060	280	80	25	0.048
30.0	350	140	35	0.067	310	110	30	0.059	250	75	25	0.050
32.0	350	140	35	0.067	280	100	30	0.060	220	65	20	0.049
36.0	310	120	35	0.065	250	90	30	0.060	200	60	25	0.050
40.0	280	120	35	0.071	220	90	30	0.068	180	60	25	0.056

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
2.0	2200	20	15	0.002	12000	240	75	0.005
3.0	1600	30	15	0.005	11000	380	105	0.009
4.0	1100	45	15	0.010	8000	440	100	0.014
5.0	900	50	15	0.014	6300	470	100	0.019
6.0	800	60	15	0.019	5600	470	105	0.021
8.0	560	65	15	0.029	4000	580	100	0.036
10.0	450	65	15	0.036	3100	600	95	0.048
12.0	400	75	15	0.047	2500	570	95	0.057
14.0	350	75	15	0.054	2200	530	95	0.060
16.0	280	65	15	0.058	2000	530	100	0.066
18.0	250	65	15	0.065	1800	530	100	0.074
20.0	220	65	15	0.074	1600	480	100	0.075
22.0	220	65	15	0.049	1400	450	95	0.054
25.0	180	50	15	0.046	1200	420	95	0.058
28.0	160	45	15	0.047	1100	400	95	0.061
30.0	160	45	15	0.047	1100	400	105	0.061
32.0	140	45	15	0.054	1000	360	100	0.060
36.0	120	35	15	0.049	900	330	100	0.061
40.0	110	35	15	0.053	800	300	100	0.063

※ 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



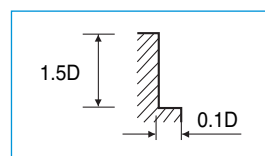
HSSCo8, MULTI FLUTE TiAlN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN TiAlN-BESCHICHTET - SEITENFRÄSEN
E2574, E2575, E2576, E2577, E2597, E2598, E2776 SERIES

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
2.0	7850	110	50	0.004	6300	75	40	0.003	5600	65	35	0.003
3.0	4900	155	45	0.008	4500	110	40	0.006	3500	85	35	0.006
4.0	3900	195	50	0.013	3100	140	40	0.011	2500	90	30	0.009
5.0	3100	250	50	0.020	2500	175	40	0.018	2250	125	35	0.014
6.0	2500	250	45	0.025	2250	205	40	0.023	1700	125	30	0.018
8.0	1950	280	50	0.036	1550	225	40	0.036	1250	145	30	0.029
10.0	1550	280	50	0.045	1250	225	40	0.045	1100	170	35	0.039
12.0	1250	310	45	0.062	1100	250	40	0.057	900	170	35	0.047
14.0	1100	310	50	0.070	1000	225	45	0.056	800	170	35	0.053
16.0	1000	310	50	0.078	800	225	40	0.070	650	145	35	0.056
18.0	900	280	50	0.078	700	225	40	0.080	550	145	30	0.066
20.0	800	280	50	0.088	650	225	40	0.087	550	145	35	0.066
22.0	700	280	50	0.067	650	225	45	0.058	500	145	35	0.048
25.0	650	250	50	0.064	550	205	45	0.062	450	125	35	0.046
28.0	550	225	50	0.068	500	175	45	0.058	400	110	35	0.046
30.0	500	195	45	0.065	450	155	40	0.057	350	105	35	0.050
32.0	500	195	50	0.065	400	140	40	0.058	300	90	30	0.050
36.0	450	170	50	0.063	350	125	40	0.060	300	85	35	0.047
40.0	400	170	50	0.071	300	125	40	0.069	250	85	30	0.057

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
2.0	3100	30	20	0.002	16800	335	105	0.005
3.0	2250	40	20	0.004	15400	530	145	0.009
4.0	1550	65	20	0.010	11200	615	140	0.014
5.0	1250	70	20	0.014	8800	660	140	0.019
6.0	1100	85	20	0.019	7850	660	150	0.021
8.0	800	90	20	0.028	5600	810	140	0.036
10.0	650	90	20	0.035	4350	840	135	0.048
12.0	550	105	20	0.048	3500	800	130	0.057
14.0	500	105	20	0.053	3100	740	135	0.060
16.0	400	90	20	0.056	2800	740	140	0.066
18.0	350	90	20	0.064	2500	740	140	0.074
20.0	300	90	20	0.075	2250	670	140	0.074
22.0	300	90	20	0.050	1950	630	135	0.054
25.0	250	70	20	0.047	1700	590	135	0.058
28.0	200	65	20	0.054	1550	560	135	0.060
30.0	200	65	20	0.054	1550	560	145	0.060
32.0	200	65	20	0.054	1400	505	140	0.060
36.0	150	50	15	0.056	1250	460	140	0.061
40.0	150	50	20	0.056	1100	420	140	0.064

※ 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



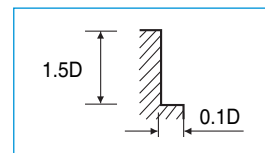
HSSCo8, MULTI FLUTE - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN - SEITENFRÄSEN
E2595, E2596 SERIES

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
2.0	5600	80	35	0.004	4500	55	30	0.003	4000	45	25	0.003
3.0	3500	110	35	0.008	3200	80	30	0.006	2500	60	25	0.006
4.0	2800	140	35	0.013	2200	100	30	0.011	1800	65	25	0.009
5.0	2200	180	35	0.020	1800	125	30	0.017	1600	90	25	0.014
6.0	1800	180	35	0.025	1600	145	30	0.023	1200	90	25	0.019
8.0	1400	200	35	0.036	1100	160	30	0.036	900	105	25	0.029
10.0	1100	200	35	0.045	900	160	30	0.044	800	120	25	0.038
12.0	900	220	35	0.061	800	180	30	0.056	630	120	25	0.048
14.0	800	220	35	0.069	700	160	30	0.057	560	120	25	0.054
16.0	700	220	35	0.079	560	160	30	0.071	450	105	25	0.058
18.0	630	200	35	0.079	500	160	30	0.080	400	105	25	0.066
20.0	560	200	35	0.089	450	160	30	0.089	400	105	25	0.066
22.0	500	200	35	0.100	450	160	30	0.089	350	105	25	0.075
25.0	450	180	35	0.100	400	145	30	0.091	310	90	25	0.073
28.0	400	160	35	0.067	350	125	30	0.060	280	80	25	0.048
30.0	350	140	35	0.067	310	110	30	0.059	250	75	25	0.050
32.0	350	140	35	0.067	280	100	30	0.060	220	65	20	0.049
36.0	310	120	35	0.065	250	90	30	0.060	200	60	25	0.050
40.0	280	120	35	0.071	220	90	30	0.068	180	60	25	0.056

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
2.0	2200	20	15	0.002	12000	240	75	0.005
3.0	1600	30	15	0.005	11000	380	105	0.009
4.0	1100	45	15	0.010	8000	440	100	0.014
5.0	900	50	15	0.014	6300	470	100	0.019
6.0	800	60	15	0.019	5600	470	105	0.021
8.0	560	65	15	0.029	4000	580	100	0.036
10.0	450	65	15	0.036	3100	600	95	0.048
12.0	400	75	15	0.047	2500	570	95	0.057
14.0	350	75	15	0.054	2200	530	95	0.060
16.0	280	65	15	0.058	2000	530	100	0.066
18.0	250	65	15	0.065	1800	530	100	0.074
20.0	220	65	15	0.074	1600	480	100	0.075
22.0	220	65	15	0.074	1400	450	95	0.080
25.0	180	50	15	0.069	1200	420	95	0.088
28.0	160	45	15	0.047	1100	400	95	0.061
30.0	160	45	15	0.047	1100	400	105	0.061
32.0	140	45	15	0.054	1000	360	100	0.060
36.0	120	35	15	0.049	900	330	100	0.061
40.0	110	35	15	0.053	800	300	100	0.063

※ 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



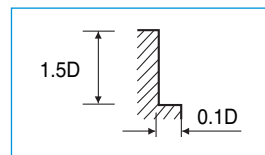
HSSCo8, MULTI FLUTE TiAlN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN TiAlN-BESCHICHTET - SEITENFRÄSEN
E2595, E2596 SERIES

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
2.0	7850	110	50	0.004	6300	75	40	0.003	5600	65	35	0.003
3.0	4900	155	45	0.008	4500	110	40	0.006	3500	85	35	0.006
4.0	3900	195	50	0.013	3100	140	40	0.011	2500	90	30	0.009
5.0	3100	250	50	0.020	2500	175	40	0.018	2250	125	35	0.014
6.0	2500	250	45	0.025	2250	205	40	0.023	1700	125	30	0.018
8.0	1950	280	50	0.036	1550	225	40	0.036	1250	145	30	0.029
10.0	1550	280	50	0.045	1250	225	40	0.045	1100	170	35	0.039
12.0	1250	310	45	0.062	1100	250	40	0.057	900	170	35	0.047
14.0	1100	310	50	0.070	1000	225	45	0.056	800	170	35	0.053
16.0	1000	310	50	0.078	800	225	40	0.070	650	145	35	0.056
18.0	900	280	50	0.078	700	225	40	0.080	550	145	30	0.066
20.0	800	280	50	0.088	650	225	40	0.087	550	145	35	0.066
22.0	700	280	50	0.100	650	225	45	0.087	500	145	35	0.073
25.0	650	250	50	0.096	550	205	45	0.093	450	125	35	0.069
28.0	550	225	50	0.068	500	175	45	0.058	400	110	35	0.046
30.0	500	195	45	0.065	450	155	40	0.057	350	105	35	0.050
32.0	500	195	50	0.065	400	140	40	0.058	300	90	30	0.050
36.0	450	170	50	0.063	350	125	40	0.060	300	85	35	0.047
40.0	400	170	50	0.071	300	125	40	0.069	250	85	30	0.057

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
2.0	3100	30	20	0.002	16800	335	105	0.005
3.0	2250	40	20	0.004	15400	530	145	0.009
4.0	1550	65	20	0.010	11200	615	140	0.014
5.0	1250	70	20	0.014	8800	660	140	0.019
6.0	1100	85	20	0.019	7850	660	150	0.021
8.0	800	90	20	0.028	5600	810	140	0.036
10.0	650	90	20	0.035	4350	840	135	0.048
12.0	550	105	20	0.048	3500	800	130	0.057
14.0	500	105	20	0.053	3100	740	135	0.060
16.0	400	90	20	0.056	2800	740	140	0.066
18.0	350	90	20	0.064	2500	740	140	0.074
20.0	300	90	20	0.075	2250	670	140	0.074
22.0	300	90	20	0.075	1950	630	135	0.081
25.0	250	70	20	0.070	1700	590	135	0.087
28.0	200	65	20	0.054	1550	560	135	0.060
30.0	200	65	20	0.054	1550	560	145	0.060
32.0	200	65	20	0.054	1400	505	140	0.060
36.0	150	50	15	0.056	1250	460	140	0.061
40.0	150	50	20	0.056	1100	420	140	0.064

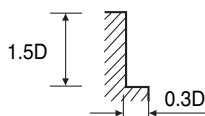
※ The FEED, in long & extra long types, should be reduced by around 50%

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




HSSCo8, MULTI FLUTE 50° HELIX - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN 50° RECHTSSPIRALE - SEITENFRÄSEN
E2461, E2462, E2463 SERIES

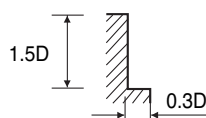
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm²				800 ~ 1000N/mm²				1000 ~ 1300N/mm²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	5000	35	30	0.004	4500	25	30	0.003	2500	10	15	0.002
3.0	3500	50	35	0.007	2800	35	30	0.006	1800	20	15	0.006
4.0	2500	60	30	0.012	2000	40	25	0.010	1200	25	15	0.010
5.0	2000	75	30	0.019	1800	55	30	0.015	1000	30	15	0.015
6.0	1800	85	35	0.016	1300	55	25	0.014	900	35	15	0.013
8.0	1200	95	30	0.026	1000	65	25	0.022	600	40	15	0.022
10.0	1000	95	30	0.032	900	70	30	0.026	500	40	15	0.027
12.0	900	110	35	0.041	700	70	25	0.033	450	45	15	0.033
14.0	800	95	35	0.040	600	70	25	0.039	400	45	20	0.038
16.0	600	95	30	0.053	500	65	25	0.043	300	40	15	0.044
18.0	550	95	30	0.058	450	65	25	0.048	280	40	15	0.048
20.0	500	95	30	0.063	450	65	30	0.048	250	40	15	0.053
22.0	500	95	35	0.048	400	65	30	0.041	250	40	15	0.040
25.0	450	85	35	0.047	350	55	25	0.039	200	30	15	0.038
28.0	400	75	35	0.047	300	50	25	0.042	180	25	15	0.035
30.0	350	65	35	0.046	280	45	25	0.040	180	25	15	0.035



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

HSSCo8, MULTI FLUTE 50° HELIX TiAlN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN 50° RECHTSSPIRALE TiAlN-BESCHICHTET - SEITENFRÄSEN
E2461, E2462, E2463 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 1000N/mm ²				1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	7000	50	45	0.004	6300	35	40	0.003	3500	15	20	0.002
3.0	4900	70	45	0.007	3920	50	35	0.006	2520	30	25	0.006
4.0	3500	85	45	0.012	2800	55	35	0.010	1680	35	20	0.010
5.0	2800	105	45	0.019	2520	75	40	0.015	1400	40	20	0.014
6.0	2520	120	50	0.016	1820	75	35	0.014	1260	50	25	0.013
8.0	1680	135	40	0.027	1400	90	35	0.021	840	55	20	0.022
10.0	1400	135	45	0.032	1260	100	40	0.026	700	55	20	0.026
12.0	1260	155	50	0.041	980	100	35	0.034	630	65	25	0.034
14.0	1120	135	50	0.040	840	100	35	0.040	560	65	25	0.039
16.0	840	135	40	0.054	700	90	35	0.043	420	55	20	0.044
18.0	770	135	45	0.058	630	90	35	0.048	390	55	20	0.047
20.0	700	135	45	0.064	630	90	40	0.048	350	55	20	0.052
22.0	700	135	50	0.048	560	90	40	0.040	350	55	25	0.039
25.0	630	120	50	0.048	490	75	40	0.038	280	40	20	0.036
28.0	560	105	50	0.047	420	70	35	0.042	250	35	20	0.035
30.0	490	90	45	0.046	390	65	35	0.042	250	35	25	0.035

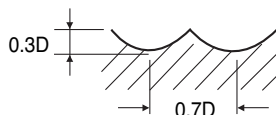


RPM = rev./min.
FEED = mm/min.
Vc = m/min.
fz = mm/t


HSSCo8, 2 FLUTE BALL NOSE
HSSCo8, 2 SCHNEIDEN STIRNRADIUS
E2535, E2492 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
R1.5 × 3.0	4500	95	40	0.011	3400	70	30	0.010	2000	30	20	0.008
R2.0 × 4.0	3200	115	40	0.018	2400	80	30	0.017	1400	35	20	0.013
R3.0 × 6.0	2200	135	40	0.031	1700	90	30	0.026	1000	45	20	0.023
R4.0 × 8.0	1600	160	40	0.050	1200	105	30	0.044	700	50	20	0.036
R5.0 × 10.0	1300	180	40	0.069	1000	120	30	0.060	560	60	20	0.054
R6.0 × 12.0	1000	170	40	0.085	800	105	30	0.066	450	55	15	0.061
R8.0 × 16.0	800	150	40	0.094	600	100	30	0.083	350	55	20	0.079
R10.0 × 20.0	600	140	40	0.117	500	85	30	0.085	300	50	20	0.083
R12.5 × 25.0	500	130	40	0.130	400	70	30	0.088	220	40	15	0.091

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
R1.5 × 3.0	1400	20	15	0.007	11000	230	105	0.010
R2.0 × 4.0	1000	25	15	0.013	8000	260	100	0.016
R3.0 × 6.0	700	25	15	0.018	5600	280	105	0.025
R4.0 × 8.0	500	30	15	0.030	4000	350	100	0.044
R5.0 × 10.0	400	35	15	0.044	3200	360	100	0.056
R6.0 × 12.0	320	35	10	0.055	2500	340	95	0.068
R8.0 × 16.0	250	35	15	0.070	2000	300	100	0.075
R10.0 × 20.0	200	35	15	0.088	1600	280	100	0.088
R12.5 × 25.0	160	30	15	0.094	1300	250	100	0.096



※ 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

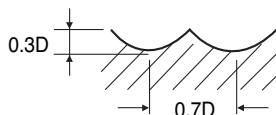
HSSCo8, 2 FLUTE BALL NOSE TiAIN COATED

HSSCo8, 2 SCHNEIDEN STIRNRADIUS TiAIN-BESCHICHTET

E2535, E2492 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
R1.5 × 3.0	6300	135	60	0.011	4750	100	45	0.011	2800	40	25	0.007
R2.0 × 4.0	4500	160	55	0.018	3350	110	40	0.016	1950	50	25	0.013
R3.0 × 6.0	3100	190	60	0.031	2400	125	45	0.026	1400	65	25	0.023
R4.0 × 8.0	2250	225	55	0.050	1700	145	45	0.043	1000	70	25	0.035
R5.0 × 10.0	1800	250	55	0.069	1400	170	45	0.061	800	85	25	0.053
R6.0 × 12.0	1400	240	55	0.086	1100	145	40	0.066	650	75	25	0.058
R8.0 × 16.0	1100	210	55	0.095	850	140	45	0.082	500	75	25	0.075
R10.0 × 20.0	850	195	55	0.115	700	120	45	0.086	400	70	25	0.088
R12.5 × 25.0	700	180	55	0.129	550	100	45	0.091	300	55	25	0.092

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
R1.5 × 3.0	1950	30	20	0.008	15400	320	145	0.010
R2.0 × 4.0	1400	35	20	0.013	11200	365	140	0.016
R3.0 × 6.0	1000	35	20	0.018	7850	390	150	0.025
R4.0 × 8.0	700	40	20	0.029	5600	490	140	0.044
R5.0 × 10.0	550	50	15	0.045	4500	505	140	0.056
R6.0 × 12.0	450	50	15	0.056	3500	475	130	0.068
R8.0 × 16.0	350	50	20	0.071	2800	420	140	0.075
R10.0 × 20.0	300	50	20	0.083	2250	390	140	0.087
R12.5 × 25.0	200	40	15	0.100	1800	350	140	0.097



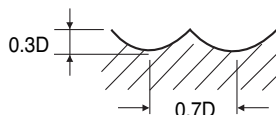
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE BALL NOSE
HSSCo8, MULTI SCHNEIDEN STIRNRADIUS
E2410, E2429, E2512 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
R3.0 × 6.0	2200	200	40	0.030	1700	135	30	0.026	1000	70	20	0.023
R4.0 × 8.0	1600	240	40	0.050	1200	160	30	0.044	700	75	20	0.036
R5.0 × 10.0	1300	270	40	0.069	1000	180	30	0.060	560	90	20	0.054
R6.0 × 12.0	1000	260	40	0.087	800	160	30	0.067	450	80	15	0.059
R8.0 × 16.0	800	230	40	0.096	600	150	30	0.083	350	80	20	0.076
R10.0 × 20.0	600	210	40	0.117	500	130	30	0.087	300	75	20	0.083
R12.5 × 25.0	500	200	40	0.133	400	105	30	0.088	220	60	15	0.091

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
R3.0 × 6.0	700	40	15	0.019	5600	420	105	0.025
R4.0 × 8.0	500	45	15	0.030	4000	530	100	0.044
R5.0 × 10.0	400	50	15	0.042	3200	540	100	0.056
R6.0 × 12.0	320	50	15	0.052	2500	510	95	0.068
R8.0 × 16.0	250	50	15	0.067	2000	450	100	0.075
R10.0 × 20.0	200	50	15	0.083	1600	420	100	0.088
R12.5 × 25.0	160	45	15	0.094	1300	380	100	0.097



※ 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

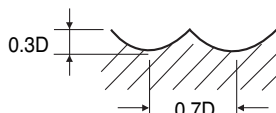
HSSCo8, MULTI FLUTE BALL NOSE TiAIN COATED

HSSCo8, MULTI SCHNEIDEN STIRNRADIUS TiAIN-BESCHICHTET

E2410, E2429, E2512 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
R3.0 × 6.0	3100	280	58	0.030	2400	190	45	0.026	1400	100	26	0.024
R4.0 × 8.0	2250	335	57	0.050	1700	225	43	0.044	1000	105	25	0.035
R5.0 × 10.0	1800	380	57	0.070	1400	250	44	0.060	800	125	25	0.052
R6.0 × 12.0	1400	365	53	0.087	1100	225	41	0.068	650	110	25	0.056
R8.0 × 16.0	1100	320	55	0.097	850	210	43	0.082	500	110	25	0.073
R10.0 × 20.0	850	295	53	0.116	700	180	44	0.086	400	105	25	0.088
R12.5 × 25.0	700	280	55	0.133	550	145	43	0.088	300	85	24	0.094

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
R3.0 × 6.0	1000	55	19	0.018	7850	590	148	0.025
R4.0 × 8.0	700	65	18	0.031	5600	740	141	0.044
R5.0 × 10.0	550	70	17	0.042	4500	755	141	0.056
R6.0 × 12.0	450	70	17	0.052	3500	715	132	0.068
R8.0 × 16.0	350	70	18	0.067	2800	630	141	0.075
R10.0 × 20.0	300	70	19	0.078	2250	590	141	0.087
R12.5 × 25.0	200	65	16	0.108	1800	530	141	0.098



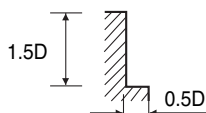
※ The FEED, in long & extra long types, should be reduced by around 50%

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


HSSCo8, MULTI FLUTE ROUGHING - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER - SEITENFRÄSEN
E2751, E2752, E2764, E2765, E2761, E2753, E2762, E2777, E2778 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
6.0	1800	80	35	0.015	1600	60	30	0.013	1200	55	25	0.015
8.0	1400	105	35	0.025	1100	75	30	0.023	900	65	25	0.024
10.0	1100	150	35	0.034	900	120	30	0.033	800	110	25	0.034
12.0	900	180	35	0.050	800	140	30	0.044	630	110	25	0.044
14.0	800	180	35	0.056	700	140	30	0.050	560	110	25	0.049
16.0	700	180	35	0.064	560	140	30	0.063	450	110	25	0.061
18.0	630	180	35	0.071	500	140	30	0.070	400	110	25	0.069
20.0	560	180	35	0.080	450	140	30	0.078	400	110	25	0.069
22.0	500	220	35	0.088	450	170	30	0.076	350	140	25	0.080
25.0	450	220	35	0.098	400	170	30	0.085	310	140	25	0.090
28.0	400	210	35	0.088	350	160	30	0.076	280	130	25	0.077
30.0	350	210	35	0.100	310	160	30	0.086	250	130	25	0.087
32.0	350	210	35	0.100	280	160	30	0.095	220	130	20	0.098
36.0	310	210	35	0.113	250	160	30	0.107	200	130	25	0.108
40.0	280	200	35	0.119	220	150	30	0.114	180	120	25	0.111
50.0	220	200	35	0.152	180	170	30	0.157	160	140	25	0.146

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
6.0	800	30	15	0.013	4500	200	85	0.015
8.0	560	35	15	0.021	3100	230	80	0.025
10.0	450	60	15	0.033	2500	350	80	0.035
12.0	400	70	15	0.044	2000	400	75	0.050
14.0	350	70	15	0.050	1800	420	80	0.058
16.0	280	70	15	0.063	1600	450	80	0.070
18.0	250	70	15	0.070	1400	470	80	0.084
20.0	220	70	15	0.080	1200	500	75	0.104
22.0	220	85	15	0.077	1100	470	75	0.085
25.0	180	85	15	0.094	1000	450	80	0.090
28.0	160	85	15	0.089	900	510	80	0.094
30.0	160	85	15	0.089	900	530	85	0.098
32.0	140	85	15	0.101	800	500	80	0.104
36.0	120	85	15	0.118	700	470	80	0.112
40.0	110	80	15	0.121	630	450	80	0.119
50.0	90	80	15	0.148	500	370	80	0.123



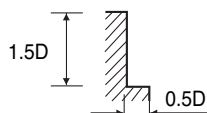
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING TiAlN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER TiAlN-BESCHICHTET - SEITENFRÄSEN
E2751, E2752, E2764, E2765, E2761, E2753, E2762, E2777, E2778 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
6.0	2500	110	45	0.015	2250	85	40	0.013	1700	75	30	0.015
8.0	1950	145	50	0.025	1550	105	40	0.023	1250	90	30	0.024
10.0	1550	210	50	0.034	1250	170	40	0.034	1100	155	35	0.035
12.0	1250	250	45	0.050	1100	195	40	0.044	900	155	35	0.043
14.0	1100	250	50	0.057	1000	195	45	0.049	800	155	35	0.048
16.0	1000	250	50	0.063	800	195	40	0.061	650	155	35	0.060
18.0	900	250	50	0.069	700	195	40	0.070	550	155	30	0.070
20.0	800	250	50	0.078	650	195	40	0.075	550	155	35	0.070
22.0	700	310	50	0.089	650	240	45	0.074	500	195	35	0.078
25.0	650	310	50	0.095	550	240	45	0.087	450	195	35	0.087
28.0	550	295	50	0.089	500	225	45	0.075	400	180	35	0.075
30.0	500	295	45	0.098	450	225	40	0.083	350	180	35	0.086
32.0	500	295	50	0.098	400	225	40	0.094	300	180	30	0.100
36.0	450	295	50	0.109	350	225	40	0.107	300	180	35	0.100
40.0	400	280	50	0.117	300	210	40	0.117	250	170	30	0.113
50.0	300	280	45	0.156	250	240	40	0.160	220	195	35	0.148

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
6.0	1100	40	20	0.012	6300	280	120	0.015
8.0	800	50	20	0.021	4350	320	110	0.025
10.0	650	85	20	0.033	3500	490	110	0.035
12.0	550	100	20	0.045	2800	560	105	0.050
14.0	500	100	20	0.050	2500	590	110	0.059
16.0	400	100	20	0.063	2250	630	115	0.070
18.0	350	100	20	0.071	1950	660	110	0.085
20.0	300	100	20	0.083	1700	700	105	0.103
22.0	300	120	20	0.080	1550	660	105	0.085
25.0	250	120	20	0.096	1400	630	110	0.090
28.0	220	120	20	0.091	1250	715	110	0.095
30.0	220	120	20	0.091	1250	740	120	0.099
32.0	200	120	20	0.100	1100	700	110	0.106
36.0	170	120	20	0.118	1000	660	115	0.110
40.0	130	110	15	0.141	900	630	115	0.117
50.0	120	110	20	0.153	700	520	110	0.124



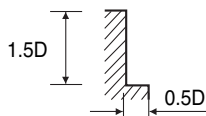
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER - SEITENFRÄSEN
E2755, E2756 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
6.0	1800	80	35	0.015	1600	60	30	0.013	1200	55	25	0.015
8.0	1400	105	35	0.025	1100	75	30	0.023	900	65	25	0.024
10.0	1100	150	35	0.045	900	120	30	0.044	800	110	25	0.046
12.0	900	180	35	0.067	800	140	30	0.058	630	110	25	0.058
14.0	800	180	35	0.075	700	140	30	0.067	560	110	25	0.065
16.0	700	180	35	0.086	560	140	30	0.083	450	110	25	0.081
18.0	630	180	35	0.095	500	140	30	0.093	400	110	25	0.092
20.0	560	180	35	0.107	450	140	30	0.104	400	110	25	0.092
22.0	500	220	35	0.147	450	170	30	0.126	350	140	25	0.133
25.0	450	220	35	0.163	400	170	30	0.142	310	140	25	0.151
30.0	350	210	35	0.200	310	160	30	0.172	250	130	25	0.173

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
6.0	800	30	15	0.013	4500	200	85	0.015
8.0	560	35	15	0.021	3100	230	80	0.025
10.0	450	60	15	0.044	2500	350	80	0.047
12.0	400	70	15	0.058	2000	400	75	0.067
14.0	350	70	15	0.067	1800	420	80	0.078
16.0	280	70	15	0.083	1600	450	80	0.094
18.0	250	70	15	0.093	1400	470	80	0.112
20.0	220	70	15	0.106	1200	500	75	0.139
22.0	220	85	15	0.129	1100	470	75	0.142
25.0	180	85	15	0.157	1000	450	80	0.150
30.0	160	85	15	0.177	900	530	85	0.196



※ 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

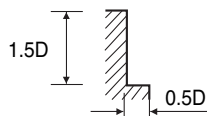
HSSCo8, MULTI FLUTE ROUGHING TiAlN COATED - SIDE CUTTING

HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER TiAlN-BESCHICHTET - SEITENFRÄSEN

E2755, E2756 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
6.0	2500	110	45	0.015	2250	85	40	0.013	1700	75	30	0.015
8.0	1950	145	50	0.025	1550	105	40	0.023	1250	90	30	0.024
10.0	1550	210	50	0.045	1250	170	40	0.045	1100	155	35	0.047
12.0	1250	250	45	0.067	1100	195	40	0.059	900	155	35	0.057
14.0	1100	250	50	0.076	1000	195	45	0.065	800	155	35	0.065
16.0	1000	250	50	0.083	800	195	40	0.081	650	155	35	0.079
18.0	900	250	50	0.093	700	195	40	0.093	550	155	30	0.094
20.0	800	250	50	0.104	650	195	40	0.100	550	155	35	0.094
22.0	700	310	50	0.148	650	240	45	0.123	500	195	35	0.130
25.0	650	310	50	0.159	550	240	45	0.145	450	195	35	0.144
30.0	500	295	45	0.197	450	225	40	0.167	350	180	35	0.171

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
6.0	1100	40	20	0.012	6300	280	120	0.015
8.0	800	50	20	0.021	4350	320	110	0.025
10.0	650	85	20	0.044	3500	490	110	0.047
12.0	550	100	20	0.061	2800	560	105	0.067
14.0	500	100	20	0.067	2500	590	110	0.079
16.0	400	100	20	0.083	2250	630	115	0.093
18.0	350	100	20	0.095	1950	660	110	0.113
20.0	300	100	20	0.111	1700	700	105	0.137
22.0	300	120	20	0.133	1550	660	105	0.142
25.0	250	120	20	0.160	1400	630	110	0.150
30.0	220	120	20	0.182	1250	740	120	0.197



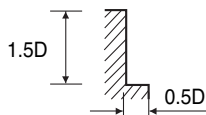
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER - SEITENFRÄSEN
E2524 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
6.0	1800	80	35	0.015	1600	60	30	0.013	1200	55	25	0.015
8.0	1400	105	35	0.019	1100	75	30	0.017	900	65	25	0.018
10.0	1100	150	35	0.034	900	120	30	0.033	800	110	25	0.034
12.0	900	180	35	0.050	800	140	30	0.044	630	110	25	0.044
14.0	800	180	35	0.056	700	140	30	0.050	560	110	25	0.049
16.0	700	180	35	0.064	560	140	30	0.063	450	110	25	0.061
18.0	630	180	35	0.071	500	140	30	0.070	400	110	25	0.069
20.0	560	180	35	0.080	450	140	30	0.078	400	110	25	0.069

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
6.0	800	30	15	0.013	4500	200	85	0.015
8.0	560	35	15	0.016	3100	230	80	0.019
10.0	450	60	15	0.033	2500	350	80	0.035
12.0	400	70	15	0.044	2000	400	75	0.050
14.0	350	70	15	0.050	1800	420	80	0.058
16.0	280	70	15	0.063	1600	450	80	0.070
18.0	250	70	15	0.070	1400	470	80	0.084
20.0	220	70	15	0.080	1200	500	75	0.104



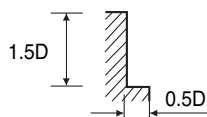
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING TiAlN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER TiAlN-BESCHICHTET - SEITENFRÄSEN
E2524 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
6.0	2500	110	45	0.015	2250	85	40	0.013	1700	75	30	0.015
8.0	1950	145	50	0.019	1550	105	40	0.017	1250	90	30	0.018
10.0	1550	210	50	0.034	1250	170	40	0.034	1100	155	35	0.035
12.0	1250	250	45	0.050	1100	195	40	0.044	900	155	35	0.043
14.0	1100	250	50	0.057	1000	195	45	0.049	800	155	35	0.048
16.0	1000	250	50	0.063	800	195	40	0.061	650	155	35	0.060
18.0	900	250	50	0.069	700	195	40	0.070	550	155	30	0.070
20.0	800	250	50	0.078	650	195	40	0.075	550	155	35	0.070

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
6.0	1100	40	20	0.012	6300	280	120	0.015
8.0	800	50	20	0.016	4350	320	110	0.018
10.0	650	85	20	0.033	3500	490	110	0.035
12.0	550	100	20	0.045	2800	560	105	0.050
14.0	500	100	20	0.050	2500	590	110	0.059
16.0	400	100	20	0.063	2250	630	115	0.070
18.0	350	100	20	0.071	1950	660	110	0.085
20.0	300	100	20	0.083	1700	700	105	0.103



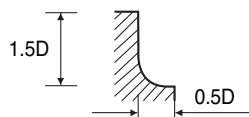
※ The FEED, in long & extra long types, should be reduced by around 50%

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


HSSCo8, MULTI FLUTE ROUGHING BALL NOSE - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER STIRNRADIUS - SEITENFRÄSEN
E2757, E2606 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
R4.0 × 8.0	1400	105	35	0.025	1100	75	30	0.023	900	65	25	0.024
R5.0 × 10.0	1100	150	35	0.045	900	120	30	0.044	800	110	25	0.046
R6.0 × 12.0	900	180	35	0.050	800	140	30	0.044	630	110	25	0.044
R8.0 × 16.0	700	180	35	0.064	560	140	30	0.063	450	110	25	0.061
R10.0 × 20.0	560	180	35	0.080	450	140	30	0.078	400	110	25	0.069
R12.5 × 25.0	450	220	35	0.122	400	170	30	0.106	310	140	25	0.113
R16.0 × 32.0	350	210	35	0.150	280	160	30	0.143	220	130	20	0.148
R20.0 × 40.0	280	200	35	0.179	220	150	30	0.170	180	120	25	0.167

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
R4.0 × 8.0	560	35	15	0.021	3100	230	80	0.025
R5.0 × 10.0	450	60	15	0.044	2500	250	80	0.033
R6.0 × 12.0	400	70	15	0.044	2000	400	75	0.050
R8.0 × 16.0	280	70	15	0.063	1600	450	80	0.070
R10.0 × 20.0	220	70	15	0.080	1200	500	75	0.104
R12.5 × 25.0	180	85	15	0.118	1000	450	80	0.113
R16.0 × 32.0	140	85	15	0.152	800	500	80	0.156
R20.0 × 40.0	110	80	15	0.182	630	450	80	0.179



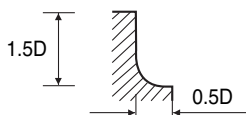
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING BALL NOSE TiAlN COATED - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPFRÄSER STIRNRADIUS TiAlN-BESCHICHTET - SEITENFRÄSEN
E2757, E2606 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
R4.0 × 8.0	1960	150	50	0.026	1540	105	40	0.023	1260	90	30	0.024
R5.0 × 10.0	1540	210	50	0.045	1260	170	40	0.045	1120	155	35	0.046
R6.0 × 12.0	1260	250	50	0.050	1120	195	40	0.044	880	155	35	0.044
R8.0 × 16.0	980	250	50	0.064	790	195	40	0.062	630	155	30	0.062
R10.0 × 20.0	790	250	50	0.079	630	195	40	0.077	560	155	35	0.069
R12.5 × 25.0	630	310	50	0.123	560	240	45	0.107	440	195	35	0.111
R16.0 × 32.0	490	295	50	0.151	390	225	40	0.144	310	180	30	0.145
R20.0 × 40.0	390	280	50	0.179	310	210	40	0.169	250	170	30	0.170

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
R4.0 × 8.0	790	50	20	0.021	4340	320	110	0.025
R5.0 × 10.0	630	85	20	0.045	3500	350	110	0.033
R6.0 × 12.0	560	100	20	0.045	2800	560	105	0.050
R8.0 × 16.0	390	100	20	0.064	2240	630	115	0.070
R10.0 × 20.0	310	100	20	0.081	1680	700	105	0.104
R12.5 × 25.0	250	120	20	0.120	1400	630	110	0.113
R16.0 × 32.0	200	120	20	0.150	1120	700	115	0.156
R20.0 × 40.0	160	110	20	0.172	880	630	110	0.179



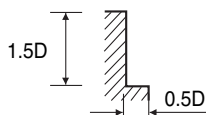
※ The FEED, in long & extra long types, should be reduced by around 50%

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


HSSCo8, MULTI FLUTE ROUGHING & FINISHING - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPSCHLICHTFRÄSER - SEITENFRÄSEN
E2754, E2768 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
6.0	1800	65	35	0.012	1600	50	30	0.010	1200	45	25	0.013
8.0	1400	85	35	0.015	1100	60	30	0.014	900	50	25	0.014
10.0	1100	120	35	0.027	900	95	30	0.026	800	90	25	0.028
12.0	900	145	35	0.040	800	110	30	0.034	630	90	25	0.036
14.0	800	145	35	0.045	700	110	30	0.039	560	90	25	0.040
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	0.085	350	130	30	0.074	280	105	25	0.075
30.0	350	170	35	0.097	310	130	30	0.084	250	105	25	0.084
32.0	350	170	35	0.097	280	130	30	0.093	220	105	25	0.095
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

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
6.0	800	25	15	0.010	4500	160	85	0.012
8.0	560	30	15	0.013	3100	185	80	0.015
10.0	450	50	15	0.028	2500	280	80	0.028
12.0	400	55	15	0.034	2000	320	80	0.040
14.0	350	55	15	0.039	1800	340	80	0.047
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	0.088	900	410	80	0.091
30.0	160	70	15	0.088	900	420	85	0.093
32.0	140	70	15	0.100	800	400	80	0.100
36.0	120	70	15	0.097	700	380	80	0.090
40.0	110	65	15	0.098	630	360	80	0.095



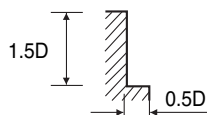
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING & FINISHING TiAlN COATED -- SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPSCHLICHTFRÄSER TiAlN-BESCHICHTET - SEITENFRÄSEN
E2754, E2768 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
6.0	2500	90	50	0.012	2250	70	40	0.010	1700	65	30	0.013
8.0	1950	120	50	0.015	1550	85	40	0.014	1250	70	30	0.014
10.0	1550	170	50	0.027	1250	135	40	0.027	1100	125	35	0.028
12.0	1250	205	50	0.041	1100	155	40	0.035	900	125	35	0.035
14.0	1100	205	50	0.047	1000	155	45	0.039	800	125	35	0.039
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	0.087	500	180	45	0.072	400	145	35	0.073
30.0	500	240	50	0.096	450	180	40	0.080	350	145	35	0.083
32.0	500	240	50	0.096	400	180	40	0.090	300	145	30	0.097
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

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
6.0	1100	35	20	0.011	6300	225	120	0.012
8.0	800	40	20	0.013	4350	260	110	0.015
10.0	650	70	20	0.027	3500	390	110	0.028
12.0	550	75	20	0.034	2800	450	105	0.040
14.0	500	75	20	0.038	2500	475	110	0.048
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	0.100	1250	575	110	0.092
30.0	200	100	20	0.100	1250	590	120	0.094
32.0	170	100	15	0.118	1100	560	110	0.102
36.0	150	100	15	0.111	1000	530	115	0.088
40.0	150	90	20	0.100	900	505	115	0.094



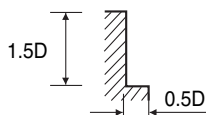
※ The FEED, in long & extra long types, should be reduced by around 50%

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


HSSCo8, MULTI FLUTE ROUGHING & FINISHING - SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPSCHLICHTFRÄSER - SEITENFRÄSEN
E2766, E2767 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
6.0	1800	65	35	0.012	1600	50	30	0.010	1200	45	25	0.013
8.0	1400	85	35	0.020	1100	60	30	0.018	900	50	25	0.019
10.0	1100	120	35	0.036	900	95	30	0.035	800	90	25	0.038
12.0	900	145	35	0.054	800	110	30	0.046	630	90	25	0.048
14.0	800	145	35	0.060	700	110	30	0.052	560	90	25	0.054
16.0	700	145	35	0.069	560	110	30	0.065	450	90	25	0.067
18.0	630	145	35	0.077	500	110	30	0.073	400	90	25	0.075
20.0	560	145	35	0.086	450	110	30	0.081	400	90	25	0.075
22.0	500	175	35	0.117	450	135	30	0.100	350	110	25	0.105
25.0	450	175	35	0.130	400	135	30	0.113	310	110	25	0.118
28.0	400	170	35	0.142	350	130	30	0.124	280	105	25	0.125
30.0	350	170	35	0.162	310	130	30	0.140	250	105	25	0.140
32.0	350	170	35	0.162	280	130	30	0.155	220	105	25	0.159
36.0	310	170	35	0.183	250	130	30	0.173	200	105	25	0.175
40.0	280	160	35	0.190	220	120	30	0.182	180	95	25	0.176

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
6.0	800	25	15	0.010	4500	160	85	0.012
8.0	560	30	15	0.018	3100	185	80	0.020
10.0	450	50	15	0.037	2500	280	80	0.037
12.0	400	55	15	0.046	2000	320	80	0.053
14.0	350	55	15	0.052	1800	340	80	0.063
16.0	280	55	15	0.065	1600	360	80	0.075
18.0	250	55	15	0.073	1400	380	80	0.090
20.0	220	55	15	0.083	1200	400	80	0.111
22.0	220	70	15	0.106	1100	380	80	0.115
25.0	180	70	15	0.130	1000	360	80	0.120
28.0	160	70	15	0.146	900	410	80	0.152
30.0	160	70	15	0.146	900	420	85	0.156
32.0	140	70	15	0.167	800	400	80	0.167
36.0	120	70	15	0.194	700	380	80	0.181
40.0	110	65	15	0.197	630	360	80	0.190



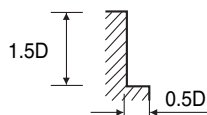
※ The FEED, in long & extra long types, should be reduced by around 50%

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

HSSCo8, MULTI FLUTE ROUGHING & FINISHING TiAlN COATED -- SIDE CUTTING
HSSCo8, MULTI SCHNEIDEN SCHRUPPSCHLICHTFRÄSER TiAlN-BESCHICHTET - SEITENFRÄSEN
E2766, E2767 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
6.0	2500	90	50	0.012	2250	70	40	0.010	1700	65	30	0.013
8.0	1950	120	50	0.021	1550	85	40	0.018	1250	70	30	0.019
10.0	1550	170	50	0.037	1250	135	40	0.036	1100	125	35	0.038
12.0	1250	205	50	0.055	1100	155	40	0.047	900	125	35	0.046
14.0	1100	205	50	0.062	1000	155	45	0.052	800	125	35	0.052
16.0	1000	205	50	0.068	800	155	40	0.065	650	125	35	0.064
18.0	900	205	50	0.076	700	155	40	0.074	550	125	30	0.076
20.0	800	205	50	0.085	650	155	40	0.079	550	125	35	0.076
22.0	700	245	50	0.117	650	190	45	0.097	500	155	35	0.103
25.0	650	245	50	0.126	550	190	45	0.115	450	155	35	0.115
28.0	550	240	50	0.145	500	180	45	0.120	400	145	35	0.121
30.0	500	240	50	0.160	450	180	40	0.133	350	145	35	0.138
32.0	500	240	50	0.160	400	180	40	0.150	300	145	30	0.161
36.0	450	240	50	0.178	350	180	40	0.171	280	145	30	0.173
40.0	400	225	50	0.188	300	170	40	0.189	250	135	30	0.180

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
6.0	1100	35	20	0.011	6300	225	120	0.012
8.0	800	40	20	0.017	4350	260	110	0.020
10.0	650	70	20	0.036	3500	390	110	0.037
12.0	550	75	20	0.045	2800	450	105	0.054
14.0	500	75	20	0.050	2500	475	110	0.063
16.0	400	75	20	0.063	2250	505	115	0.075
18.0	350	75	20	0.071	1950	530	110	0.091
20.0	300	75	20	0.083	1700	560	105	0.110
22.0	300	100	20	0.111	1550	530	105	0.114
25.0	250	100	20	0.133	1400	505	110	0.120
28.0	200	100	20	0.167	1250	575	110	0.153
30.0	200	100	20	0.167	1250	590	120	0.157
32.0	170	100	15	0.196	1100	560	110	0.170
36.0	150	100	15	0.222	1000	530	115	0.177
40.0	150	90	20	0.200	900	505	115	0.187



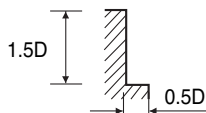
※ The FEED, in long & extra long types, should be reduced by around 50%

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


HSSCo8, MULTI FLUTE ROUGHING & FINISHING - 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			
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	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			
HARDNESS	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



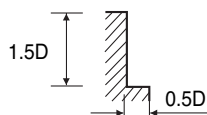
※ The FEED, in long & extra long types, should be reduced by around 50%

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

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

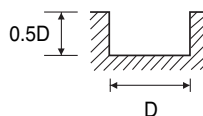


※ The FEED, in long & extra long types, should be reduced by around 50%

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


HSS-PM, 2 FLUTE - SLOTING
HSS-PM, 2 SCHNEIDEN - NUTENFRÄSEN
E3570 SERIES

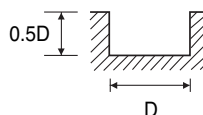
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm²				800 ~ 1000N/mm²				1000 ~ 1300N/mm²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	5000	35	30	0.004	4500	35	30	0.004	2400	15	15	0.003
3.0	3500	50	35	0.007	2800	45	25	0.008	1800	20	15	0.006
4.0	2500	60	30	0.012	2000	50	25	0.013	1200	35	15	0.015
5.0	2000	75	30	0.019	1800	65	30	0.018	1000	40	15	0.020
6.0	1800	90	35	0.025	1300	65	25	0.025	900	45	15	0.025
8.0	1200	100	30	0.042	1000	75	25	0.038	600	50	15	0.042
10.0	1000	100	30	0.050	900	90	30	0.050	500	50	15	0.050
12.0	900	110	35	0.061	700	90	25	0.064	450	55	15	0.061
14.0	800	100	35	0.063	600	90	25	0.075	400	55	20	0.069
16.0	600	100	30	0.083	500	75	25	0.075	300	50	15	0.083
18.0	550	100	30	0.091	450	75	25	0.083	280	50	15	0.089
20.0	500	100	30	0.100	450	75	30	0.083	250	50	15	0.100
22.0	500	100	35	0.100	400	75	30	0.094	250	50	15	0.100
25.0	450	90	35	0.100	350	65	25	0.093	200	40	15	0.100



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

HSS-PM, 2 FLUTE TiAlN COATED - SLOTING
HSS-PM, 2 SCHNEIDEN TiAlN-BESCHICHTET - NUTENFRÄSEN
E3570 SERIES

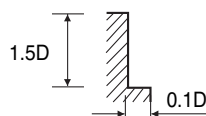
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRC20				HRC20 ~ HRC30				HRC30 ~ HRC40			
STRENGTH	500 ~ 800N/mm²				800 ~ 1000N/mm²				1000 ~ 1300N/mm²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	7000	50	45	0.004	6300	50	40	0.004	3350	20	20	0.003
3.0	4900	70	45	0.007	3900	65	35	0.008	2500	30	25	0.006
4.0	3500	85	45	0.012	2800	70	35	0.013	1700	50	20	0.015
5.0	2800	105	45	0.019	2500	90	40	0.018	1400	55	20	0.020
6.0	2500	125	45	0.025	1800	90	35	0.025	1250	60	25	0.024
8.0	1700	140	45	0.041	1400	105	35	0.038	250	70	5	0.140
10.0	1400	140	45	0.050	1260	125	40	0.050	700	70	20	0.050
12.0	1250	155	45	0.062	980	125	35	0.064	600	75	25	0.063
14.0	1100	140	50	0.064	840	125	35	0.074	550	75	25	0.068
16.0	850	140	45	0.082	700	105	35	0.075	400	70	20	0.088
18.0	750	140	40	0.093	630	105	35	0.083	390	70	20	0.090
20.0	700	140	45	0.100	630	105	40	0.083	350	70	20	0.100
22.0	700	140	50	0.100	560	105	40	0.094	350	70	25	0.100
25.0	630	125	50	0.099	490	90	40	0.092	280	55	20	0.098



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

HSS-PM, MULTI FLUTE - SIDE CUTTING
HSS-PM, MULTI SCHNEIDEN - SEITENFRÄSEN
E3574, E3575 SERIES

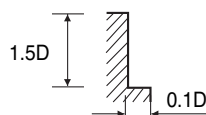
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 1000N/mm ²				1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	5000	60	30	0.003	4500	50	30	0.003	2400	20	15	0.002
3.0	3500	90	35	0.006	2800	65	25	0.006	1800	35	15	0.005
4.0	2500	110	30	0.011	2000	70	25	0.009	1200	50	15	0.010
5.0	2000	140	30	0.018	1800	100	30	0.014	1000	55	15	0.014
6.0	1800	160	35	0.022	1300	100	25	0.019	900	65	15	0.018
8.0	1200	180	30	0.038	1000	115	25	0.029	600	70	15	0.029
10.0	1000	180	30	0.045	900	130	30	0.036	500	70	15	0.035
12.0	900	200	35	0.056	700	130	25	0.046	450	80	15	0.044
14.0	800	180	35	0.056	600	130	25	0.054	400	80	20	0.050
16.0	600	180	30	0.075	500	115	25	0.058	300	70	15	0.058
18.0	550	180	30	0.082	450	115	25	0.064	280	70	15	0.063
20.0	500	180	30	0.090	450	115	30	0.064	250	70	15	0.070
22.0	500	180	35	0.060	400	115	30	0.048	250	70	15	0.047
25.0	450	160	35	0.059	350	100	25	0.048	200	55	15	0.046



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

HSS-PM, MULTI FLUTE TiAlN COATED - SIDE CUTTING
HSS-PM, MULTI SCHNEIDEN TiAlN-BESCHICHTET - SEITENFRÄSEN
E3574, E3575 SERIES

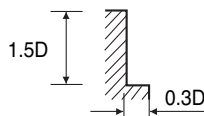
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 1000N/mm ²				1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	7000	85	45	0.003	6300	70	40	0.003	3350	30	20	0.002
3.0	4900	125	45	0.006	3900	90	35	0.006	2500	50	25	0.005
4.0	3500	155	45	0.011	2800	100	35	0.009	1700	70	20	0.010
5.0	2800	195	45	0.017	2500	140	40	0.014	1400	75	20	0.013
6.0	2500	225	45	0.023	1800	140	35	0.019	1250	90	25	0.018
8.0	1700	250	45	0.037	1400	160	35	0.029	250	100	5	0.100
10.0	1400	250	45	0.045	1260	180	40	0.036	700	100	20	0.036
12.0	1250	280	45	0.056	980	180	35	0.046	600	110	25	0.046
14.0	1100	250	50	0.057	840	180	35	0.054	550	110	25	0.050
16.0	850	250	45	0.074	700	160	35	0.057	400	95	20	0.059
18.0	750	250	40	0.083	630	160	35	0.063	390	95	20	0.061
20.0	700	250	45	0.089	630	160	40	0.063	350	95	20	0.068
22.0	700	250	50	0.060	560	160	40	0.048	350	95	25	0.045
25.0	630	225	50	0.060	490	140	40	0.048	280	75	20	0.045



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


HSS-PM, 3&4 FLUTE 60° HELIX - SIDE CUTTING
HSS-PM, 3&4 SCHNEIDEN 60° RECHTSSPIRALE - SEITENFRÄSEN
E3462, E3463 SERIES

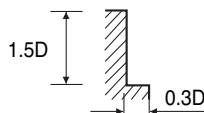
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm²				800 ~ 1000N/mm²				1000 ~ 1300N/mm²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
6.0	2000	100	40	0.017	1600	65	30	0.014	1200	45	25	0.013
8.0	1500	100	40	0.022	1300	80	35	0.021	1000	45	25	0.015
10.0	1300	110	40	0.028	1000	80	30	0.027	800	50	25	0.021
12.0	1000	120	40	0.040	800	80	30	0.033	600	50	25	0.028
14.0	800	130	35	0.054	650	80	30	0.041	500	55	20	0.037
16.0	660	140	35	0.071	520	110	25	0.071	400	70	20	0.058
18.0	500	180	30	0.120	400	140	25	0.117	310	100	20	0.108
20.0	400	190	25	0.158	330	160	20	0.162	250	100	15	0.133



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

HSS-PM, 3&4 FLUTE 60° HELIX TiAIN COATED - SIDE CUTTING
HSS-PM, 3&4 SCHNEIDEN 60° RECHTSSPIRALE TiAIN-BESCHICHTET - SEITENFRÄSEN
E3462, E3463 SERIES

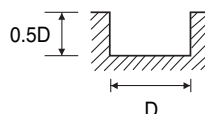
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm²				800 ~ 1000N/mm²				1000 ~ 1300N/mm²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
6.0	2800	140	55	0.017	2240	90	40	0.013	1680	60	30	0.012
8.0	2100	140	55	0.022	1820	110	45	0.020	1400	60	35	0.014
10.0	1800	155	55	0.029	1400	110	45	0.026	1120	70	35	0.021
12.0	1400	170	55	0.040	1120	110	40	0.033	840	70	30	0.028
14.0	1100	180	50	0.055	910	110	40	0.040	700	75	30	0.036
16.0	920	195	45	0.071	730	155	35	0.071	560	100	30	0.060
18.0	700	250	40	0.119	560	195	30	0.116	430	140	25	0.109
20.0	560	265	35	0.158	460	225	30	0.163	350	140	20	0.133



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

PREMIUM HSS-PM, 2 FLUTE - SLOTTING
PREMIUM HSS-PM, 2 SCHNEIDEN - NUTENFRÄSEN
E9410 SERIES

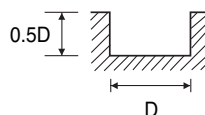
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 1000N/mm ²				1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	5600	35	35	0.003	5000	35	30	0.004	2800	20	20	0.004
3.0	4000	55	40	0.007	3000	50	30	0.008	2000	25	20	0.006
4.0	2800	70	35	0.013	2200	55	30	0.013	1400	35	20	0.013
5.0	2200	85	35	0.019	2000	75	30	0.019	1100	45	15	0.020
6.0	2000	100	40	0.025	1500	75	30	0.025	1000	50	20	0.025
8.0	1400	110	35	0.039	1100	85	30	0.039	700	55	20	0.039
10.0	1100	110	35	0.050	1000	100	30	0.050	560	55	20	0.049
12.0	1000	125	40	0.063	800	100	30	0.063	500	60	20	0.060
14.0	900	110	40	0.061	700	100	30	0.071	450	60	20	0.067
16.0	700	110	35	0.079	560	85	30	0.076	350	55	20	0.079
18.0	600	110	35	0.092	500	85	30	0.085	300	55	15	0.092
20.0	560	110	35	0.098	500	85	30	0.085	280	55	20	0.098
22.0	560	110	40	0.098	450	85	30	0.094	280	55	20	0.098
25.0	500	100	40	0.100	400	75	30	0.094	230	45	20	0.098



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

PREMIUM HSS-PM, 2 FLUTE TiAlN COATED - SLOTTING
PREMIUM HSS-PM, 2 SCHNEIDEN TiAlN-BESCHICHTET - NUTENFRÄSEN
E9410 SERIES

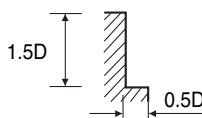
MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 1000N/mm ²				1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	7840	50	50	0.003	7000	50	45	0.004	3900	30	25	0.004
3.0	5600	80	55	0.007	4200	70	40	0.008	2800	35	25	0.006
4.0	3900	100	50	0.013	3100	75	40	0.012	1950	50	25	0.013
5.0	3100	120	50	0.019	2800	105	45	0.019	1540	60	25	0.019
6.0	2800	140	55	0.025	2100	105	40	0.025	1400	70	25	0.025
8.0	1950	155	50	0.040	1540	120	40	0.039	1000	75	25	0.038
10.0	1550	155	50	0.050	1400	150	45	0.054	800	75	25	0.047
12.0	1400	175	55	0.063	1100	150	40	0.068	700	85	25	0.061
14.0	1250	155	55	0.062	1000	150	45	0.075	600	85	25	0.071
16.0	1000	155	50	0.078	800	120	40	0.075	500	75	25	0.075
18.0	840	155	50	0.092	700	120	40	0.086	390	75	20	0.096
20.0	780	155	50	0.099	700	120	45	0.086	390	75	25	0.096
22.0	780	155	55	0.099	600	120	40	0.100	390	75	25	0.096
25.0	700	140	55	0.100	550	105	45	0.095	320	65	25	0.102



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

PREMIUM HSS-PM, MULTI FLUTE ROUGHING - SIDE CUTTING
PREMIUM HSS-PM, MULTI SCHNEIDEN SCHRUPPFRÄSER- SEITENFRÄSEN
E9720 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 900N/mm ²				900 ~ 1100N/mm ²				1100 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
6.0	2300	100	45	0.011	2000	75	40	0.009	1500	70	30	0.012	1000	35	20	0.009
8.0	1800	130	45	0.018	1400	95	35	0.017	1100	80	30	0.018	700	45	20	0.016
10.0	1400	190	45	0.027	1100	150	35	0.027	1000	140	30	0.028	560	75	20	0.027
12.0	1100	230	40	0.042	1000	180	40	0.036	800	140	30	0.035	500	85	20	0.034
14.0	1000	230	45	0.046	900	180	40	0.040	700	140	30	0.040	450	85	20	0.038
16.0	900	230	45	0.051	700	180	35	0.051	560	140	30	0.050	350	85	20	0.121
18.0	800	230	45	0.058	600	180	35	0.060	500	140	30	0.056	300	85	15	0.057
20.0	700	230	45	0.066	560	180	35	0.064	500	140	30	0.056	300	85	20	0.057
22.0	600	280	40	0.093	560	210	40	0.075	450	180	30	0.080	300	105	20	0.070
25.0	560	280	45	0.083	500	210	40	0.070	400	180	30	0.075	230	105	20	0.076
28.0	500	260	45	0.087	450	200	40	0.074	350	160	30	0.076	200	105	20	0.088
30.0	450	260	40	0.096	400	200	40	0.083	300	160	30	0.089	200	105	20	0.088

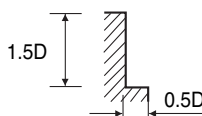


RPM = rev./min.
FEED = mm/min.
Vc = m/min.
fz = mm/t

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

PREMIUM HSS-PM, MULTI FLUTE ROUGHING TiAlN COATED - SIDE CUTTING
PREMIUM HSS-PM, MULTI SCHNEIDEN SCHRUPPFRÄSER TiAlN-BESCHICHTET - SEITENFRÄSEN
E9720 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS	~ HRc20				HRc20 ~ HRc30				HRc30 ~ HRc40				HRc30 ~ HRc40			
STRENGTH	500 ~ 800N/mm ²				800 ~ 900N/mm ²				900 ~ 1100N/mm ²				1100 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
6.0	3220	140	60	0.011	2800	105	55	0.009	2100	95	40	0.011	1400	50	25	0.009
8.0	2520	180	65	0.018	1960	135	50	0.017	1540	110	40	0.018	980	60	25	0.015
10.0	1960	265	60	0.027	1540	210	50	0.027	1400	195	45	0.028	780	105	25	0.027
12.0	1540	320	60	0.042	1400	250	55	0.036	1120	195	40	0.035	700	120	25	0.034
14.0	1400	320	60	0.046	1260	250	55	0.040	980	195	45	0.040	630	120	30	0.038
16.0	1260	320	65	0.051	980	250	50	0.051	780	195	40	0.050	490	120	25	0.049
18.0	1120	320	65	0.057	840	250	50	0.060	700	195	40	0.056	420	120	25	0.057
20.0	980	320	60	0.065	780	250	50	0.064	700	195	45	0.056	420	120	25	0.057
22.0	840	390	60	0.093	780	295	55	0.076	630	250	45	0.079	420	145	30	0.069
25.0	780	390	60	0.083	700	295	55	0.070	560	250	45	0.074	320	145	25	0.076
28.0	700	365	60	0.087	630	280	55	0.074	490	225	45	0.077	280	145	25	0.086
30.0	630	365	60	0.097	560	280	55	0.083	420	225	40	0.089	280	145	25	0.086

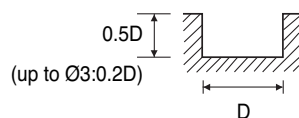


RPM = rev./min.
FEED = mm/min.
Vc = m/min.
fz = mm/t

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

HSS-E, 1 FLUTE
HSS-E, 1 SCHNEIDEN
EL612, EL623 SERIES

MATERIAL	ALUMINUM ALUMINUM ALLOYS			
DIAMETER	RPM	FEED	Vc	fz
3.0	20000	1100	188	0.055
4.0	18000	950	226	0.053
5.0	14000	750	220	0.054
6.0	11000	600	207	0.055
7.0	10000	550	220	0.055
8.0	8500	450	214	0.053
10.0	7000	380	220	0.054



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