

HSS



Being the best through innovation

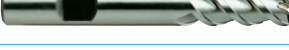
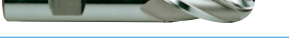


HSS

- 普通用途,没有涂层,但可进行任何涂层

General Purposes, Non-coated, Any Coating Available

SELECTION GUIDE

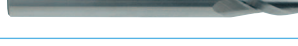
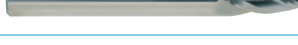
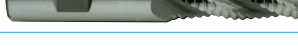
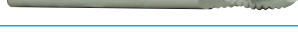
项目	型号	规格	尺寸		页
			最小	最大	
ITEM	MODEL	DESCRIPTION	SIZE		PAGE
			MIN	MAX	
E2464		HSSCo8, 2刃 42度螺旋角 短刃 HSSCo8, 2 FLUTE 42° HELIX SHORT LENGTH	D1.0	D32.0	932
EL612		HSS-E, 1刃 HSS-E, 1 FLUTE	D3.0	D10.0	934
EL623		HSS-E, 1刃 HSS-E, 1 FLUTE	D3.0	D10.0	935
E2461 E2462 E2463		HSSCo8, 多刃 50度螺旋角 短刃 HSSCo8, MULTI FLUTE 50° HELIX SHORT LENGTH	D2.0 D6.0 D22.0	D5.0 D23.0 D30.0	936
E2410		HSSCo8, 4&6刃 短刃 球头 HSSCo8, 4&6 FLUTE SHORT LENGTH BALL NOSE	R3.0	R12.5	937
E2429		HSSCo8, 4&6刃 长刃 球头 HSSCo8, 4&6 FLUTE LONG LENGTH BALL NOSE	R5.0	R12.5	938
E2751 E2764		HSSCo8, 3刃 短刃 粗加工 - 粗螺纹 HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING - COARSE	D6.0 D10.0	D8.0 D40.0	939
E2752 E2765		HSSCo8, 3刃 长刃 粗加工 - 粗螺纹 HSSCo8, 3 FLUTE LONG LENGTH ROUGHING - COARSE	D6.0 D10.0	D8.0 D40.0	940
E2755		HSSCo8, 3刃 37度螺旋角 短刃 粗加工 HSSCo8, 3 FLUTE 37° HELIX SHORT LENGTH ROUGHING	D6.0	D30.0	941
E2756		HSSCo8, 3刃 37度螺旋角 长刃 粗加工 HSSCo8, 3 FLUTE 37° HELIX LONG LENGTH ROUGHING	D10.0	D30.0	942
E2753		HSSCo8, 多刃 短刃 粗加工 - 细螺纹 HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - FINE	D6.0	D40.0	943
E2762		HSSCo8, 多刃 长刃 粗加工 - 细螺纹 HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING - FINE	D6.0	D40.0	944
E2754		HSSCo8, 多刃 短刃 粗加工和精加工 HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING & FINISHING	D6.0	D40.0	945
E2768		HSSCo8, 多刃 长刃 粗加工和精加工 HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING & FINISHING	D6.0	D45.0	946
E2766		HSSCo8, 3刃 短刃 粗加工和精加工 HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING & FINISHING	D6.0	D40.0	947

GENERAL HSS END MILLS

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
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SELECTION GUIDE

项目	型号	规格	尺寸		页
			最小	最大	
			SIZE		
ITEM	MODEL	DESCRIPTION	MIN	MAX	PAGE
E2401		HSSCo8, 2刃 普通刃 HSSCo8, 2 FLUTE REGULAR LENGTH	D1.0	D50.0	948
E2406		HSSCo8, 2刃 长刃 HSSCo8, 2 FLUTE LONG LENGTH	D3.0	D50.0	950
E2749		HSSCo8, 2刃 超长刃 HSSCo8, 2 FLUTE EXTRA LONG LENGTH	D16.0	D50.0	952
E2420		HSSCo8, 2刃 短刃 HSSCo8, 2 FLUTE SHORT LENGTH	D1.0	D50.0	953
E2412		HSSCo8, 4刃 普通刃 - 中心切割式 HSSCo8, 4 FLUTE REGULAR LENGTH CENTER CUTTING	D1.0	D50.0	955
E2659		HSSCo8, 4刃 长刃 - 中心切割式 HSSCo8, 4 FLUTE LONG LENGTH CENTER CUTTING	D3.0	D50.0	957
E2750		HSSCo8, 4刃 超长刃 HSSCo8, 4 FLUTE EXTRA LONG LENGTH	D16.0	D50.0	959
E2421		HSSCo8, 4&6刃 短刃 HSSCo8, 4 & 6 FLUTE SHORT LENGTH	D2.5	D50.0	960
E2480		HSSCo8, 2刃 普通刃 球头 HSSCo8, 2 FLUTE REGULAR LENGTH BALL NOSE	R0.5	R25.0	962
E2682		HSSCo8, 2刃 锥形 HSSCo8, 2 FLUTE TAPER	D1.0	D6.0	964
E2683		HSSCo8, 4刃 锥形 HSSCo8, 4 FLUTE TAPER	D8.0	D12.0	966
E2760		HSSCo8, 多刃 短刃 中心切割式 粗加工 - 粗螺纹 HSSCo8, MULTI FLUTE SHORT LENGTH CENTER CUT ROUGHING-COARSE	D6.0	D50.0	967
E2759		HSSCo8, 多刃 长刃 粗加工 - 粗螺纹 HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING-COARSE	D10.0	D50.0	969
E2806		HSSCo8, 多刃 短刃 粗加工 球头 - 粗螺纹 HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING BALL NOSE-COARSE	R4.0	R25.0	970
推荐的切削条件 RECOMMENDED CUTTING CONDITIONS					971

◎：优(Excellent) ○：良(Good)

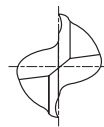
YG YG-1 CO., LTD.

CARBIDE

HSS


**HSS
END MILLS**
E2464 SERIES

FLAT SHANK

HSSCo8, 2刃 42度螺旋角 短刃
HSSCo8, 2 FLUTE 42° HELIX SHORT LENGTH
铝加工用
for ALUMINUM

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


P.973

单位(Unit) : mm

型号 EDP No.	刃部直径 Mill Diameter e8	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
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

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
○									◎			



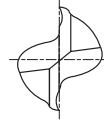
E2464 SERIES

FLAT SHANK

HSSCo8, 2刃 42度螺旋角 短刃

HSSCo8, 2 FLUTE 42° HELIX SHORT LENGTH

铝加工用
for ALUMINUM



型号 EDP No.	刃部直径 Mill Diameter e8	柄部直径 Shank Diameter h6	刃长 Length of Cut	单位(Unit) : mm
				全长 Overall Length
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

- ▶ 其他柄部按照您的要求设计
Other shank design on your request.
- ▶ TiN涂层&TiCN涂层可根据您的要求加工
TiN-COATING & TiCN-COATING are available on your request.

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 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

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
○									◎			

CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS


**HSS
END MILLS**
EL612SERIES

PLAIN SHANK

HSS-E, 1刃
HSS-E, 1 FLUTE

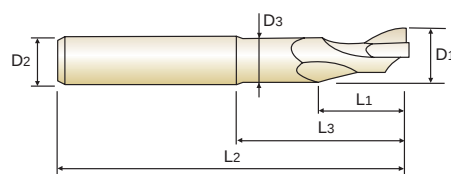
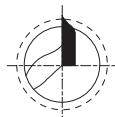
铝加工用

for ALUMINUM



单位(Unit) : mm

型号 EDP No.	系列号 ITEM No.	刃部直径 Mill Diameter js14	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
UNCOATED	UNCOATED				
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



单位(Unit) : mm

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

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js14	± 125	± 150	± 180	± 215	± 260	± 310
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
○									◎			



EL623 SERIES

PLAIN SHANK

HSS-E, 1刃
HSS-E, 1 FLUTE



单位(Unit) : mm

型号 EDP No.	系列号 ITEM No.	刃部直径 Mill Diameter js14	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
UNCOATED	UNCOATED				
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

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js14	± 125	± 150	± 180	± 215	± 260	± 310
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

◎ : 优(Excellent) ○ : 良(Good)												
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	铭镍铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎								○			

CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS


**HSS
END MILLS**
E2461, E2462, E2463 SERIES

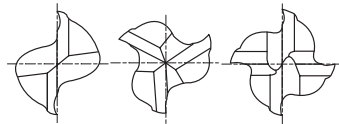
FLAT SHANK

EQ461, EQ462, EQ463 SERIES

FLAT SHANK

HSSCo8, 多刃 50度螺旋角 短刃
HSSCo8, MULTI FLUTE 50° HELIX SHORT LENGTH
CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

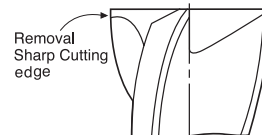
P.976, 977

单位(Unit) : mm

型号 EDP No.	系列号 ITEM No.	型号 EDP No.	系列号 ITEM No.	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 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

刃部公差 Mill Dia. Tolerance(mm)		柄部公差 Shank Dia. Tolerance
up to Ø3	0~+0.04	h6
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	

- ▶ 其他柄部按照您的要求设计
Other shank design on your request.
- ▶ TiN涂层&TiCN涂层可根据您的要求加工
TiN-COATING & TiCN-COATING are available on your request.

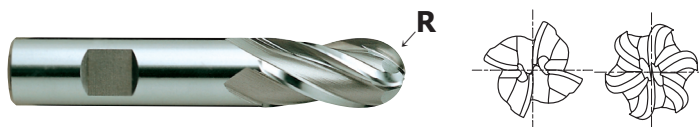


◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○										

HSSCo8, 4&6刃 短刃 球头

HSSCo8, 4&6 FLUTE SHORT LENGTH BALL NOSE



单位(Unit) : mm

型号 EDP No.		球头半径 Radius of Ball Nose R (±0.02)	刃部直径 Mill Diameter e8	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length	刃数 No.of Flute
UNCOATED	TiAIN						
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

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μ m						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 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

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)

CARBIDE

HSS


**HSS
END MILLS**
E2429

SERIES

FLAT SHANK

EQ429

SERIES

FLAT SHANK

HSSCo8, 4&6刃 长刃 球头
HSSCo8, 4&6 FLUTE LONG LENGTH BALL NOSE

 CBN
END MILLS

 i-Xmill
END MILLS

 X5070
END MILLS

 X-POWER
END MILLS

 JET-POWER
END MILLS

 V7 Mill INOX
END MILLS

 V7 Mill STEEL
END MILLS

 ALU-POWER
END MILLS

CRX S

 D-POWER
END MILLS

 K-2 CARBIDE
END MILLS

 GENERAL
CARBIDE
END MILLS

 TANK-POWER
END MILLS

 GENERAL
HSS
END MILLS

 MILLING
CUTTERS

 TECHNICAL
DATA


单位(Unit) : mm

型号 EDP No.		球头半径 Radius of Ball Nose R (±0.02)	刃部直径 Mill Diameter e8	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length	刃数 No.of Flute
UNCOATED	TiAlN						
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

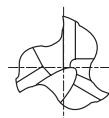
DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 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

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 3刃 短刃 粗加工 - 粗螺纹
HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING - COARSE


P.980, 981

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter js12	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
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

► 其他柄部按照您的要求设计

Other shank design on your request.

► TiN涂层&TiCN涂层可根据您的要求加工

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

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

◎ : 优(Excellent) ○ : 良(Good)

CARBIDE

HSS


**HSS
END MILLS**
E2752, EQ752 SERIES

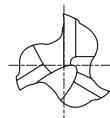
FLAT SHANK

E2765, EQ765 SERIES

FLAT SHANK

HSSCo8, 3刃 长刃 粗加工 - 粗螺纹
HSSCo8, 3 FLUTE LONG LENGTH ROUGHING - COARSE
CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATAHSS
Co8DIN
844

NR

COARSE

3

30°

DIN
1835B

P.980, 981

P.980, 981

P.980, 981

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter js12	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAlN				
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

▶ 其他柄部按照您的要求设计

Other shank design on your request.

▶ TiN涂层&TiCN涂层可根据您的要求加工

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

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

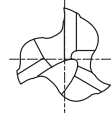
精度范围单位 / Tolerance range in μ m						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	±50	±60	±75	±90	±105	±125
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 3刃 37度螺旋角 短刃 粗加工**HSSCo8, 3 FLUTE 37° HELIX SHORT LENGTH ROUGHING**

铝加工用

for **ALUMINUM**

P.980, 981

单位(Unit) : mm

型号 EDP No.	刃部直径 Mill Diameter js12	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
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

▶ 其他柄部按照您的要求设计

Other shank design on your request.

▶ TiN涂层&TiCN涂层可根据您的要求加工

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

DIN 7160 & 7161规定的精度**Tolerances according to DIN 7160 & 7161**

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

◎ : 优(Excellent) ○ : 良(Good)

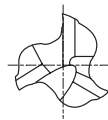
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	○								◎			

CARBIDE

HSS


**HSS
END MILLS**
E2756 SERIES

FLAT SHANK

HSSCo8, 3刃 37度螺旋角 长刃 螺纹
HSSCo8, 3 FLUTE 37° HELIX LONG LENGTH ROUGHING
铝加工用
for ALUMINUM

**HSS
Co8**
**DIN
844**
WR
ALU
3
37°
**DIN
1835B**

P.980, 981

单位(Unit) : mm

型号 EDP No.	刃部直径 Mill Diameter js12	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
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

► 其他柄部按照您的要求设计

Other shank design on your request.

► TiN涂层 & TiCN涂层可根据您的要求加工

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

DIN 7160 & 7161规定的精度
Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

◎ : 优(Excellent) ○ : 良(Good)

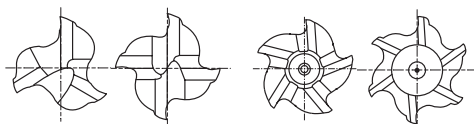
碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	○								◎			

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YG-1 CO., LTD.

HSSCo8, 多刃 短刃 粗加工 - 细螺纹

HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING - FINE



Up to Ø20mm

Over Ø20mm



单位(Unit) : mm

型号 EDP No.	系列号 ITEM No.	型号 EDP No.	系列号 ITEM No.	刃部直径 Mill Diameter js12	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	UNCOATED	TiAlN	TiAlN					
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

- ▶ 其他柄部按照您的要求设计
Other shank design on your request.
- ▶ TiN涂层 & TiCN涂层可根据您的要求加工
TiN-COATING & TiCN-COATING are available on your request.

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	钴镍铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS


**HSS
END MILLS**
E2762 SERIES

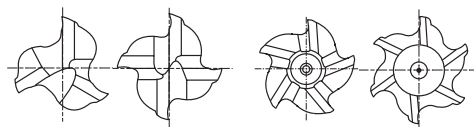
FLAT SHANK

EQ762 SERIES

FLAT SHANK

HSSCo8, 多刃 长刃 粗加工 - 细螺纹
HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING - FINE
CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

Up to Ø20mm

Over Ø20mm

HSS
Co8DIN
844

HR

FINE

3-6

30°

DIN
1835B

~Ø20

Ø22~

P.980, 981

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter js12	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAIN					
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

DIN 7160 & 7161规定的精度
Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μ m						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
js12	± 50	± 60	± 75	± 90	± 105	± 125
h6	$\begin{smallmatrix} 0 \\ -6 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -8 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -9 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -11 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -13 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -16 \end{smallmatrix}$

▶ 其他柄部按照您的要求设计

Other shank design on your request.

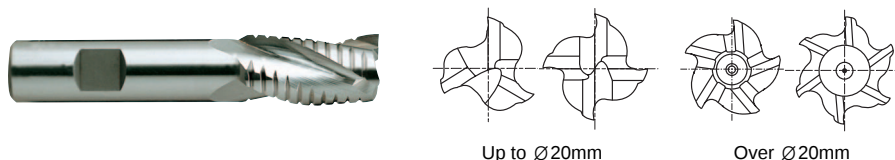
▶ TiN涂层&TiCN涂层可根据您的要求加工

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

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 多刃 短刃 粗加工和精加工 HSSCo8, MULTI FLUTE SHORT LENGTH ROUGHING & FINISHING



P.983, 984

单位(Unit) : mm

型号 EDP No.	系列号 ITEM No.	型号 EDP No.	系列号 ITEM No.	刃部直径 Mill Diameter k10	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	UNCOATED	TiAlN	TiAlN					
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

- ▶ 其他柄部按照您的要求设计
Other shank design on your request.
- ▶ TiN涂层&TiCN涂层可根据您的要求加工
TiN-COATING & TiCN-COATING are available on your request.

DIN 7160 & 7161规定的精度 Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μm						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 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

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)

CARBIDE

HSS


**HSS
END MILLS**
E2768 SERIES

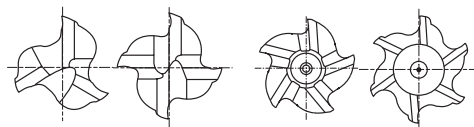
FLAT SHANK

EQ768 SERIES

FLAT SHANK

HSSCo8, 多刃 长刃 粗加工和精加工
HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING & FINISHING
CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

Up to Ø20mm

Over Ø20mm



单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter k10	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAlN					
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

- ▶ 其他柄部按照您的要求设计
Other shank design on your request.
- ▶ TiN涂层 & TiCN涂层可根据您的要求加工
TiN-COATING & TiCN-COATING are available on your request.

DIN 7160 & 7161规定的精度
Tolerances according to DIN 7160 & 7161

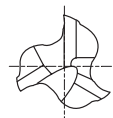
精度范围单位 / Tolerance range in μ m						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 50
k10	+40 0	+48 0	+58 0	+70 0	+84 0	+100 0
h6	0 -6	0 -8	0 -9	0 -11	0 -13	0 -16

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 3刃 短刃 粗加工和精加工

HSSCo8, 3 FLUTE SHORT LENGTH ROUGHING & FINISHING



P.983, 984

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter k10	柄部直径 Shank Diameter h6	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
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

▶ 其他柄部按照您的要求设计

Other shank design on your request.

▶ TiN涂层&TiCN涂层可根据您的要求加工

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

DIN 7160 & 7161规定的精度

Tolerances according to DIN 7160 & 7161

精度范围单位 / Tolerance range in μ m						
公称直径单位 / Nominal-Diameter in mm						
	from 1 to 3	over 3 to 6	over 6 to 10	over 10 to 18	over 18 to 30	over 30 to 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

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS


**HSS
END MILLS**
E2401 SERIES

PLAIN SHANK

EQ401 SERIES

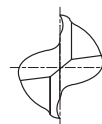
PLAIN SHANK

HSSCo8, 2刃 普通刃

HSSCo8, 2 FLUTE REGULAR LENGTH

▶ 这些铣刀是向右螺旋角向右切削的正规铣刀。为开立槽、钻孔、型腔和普通用途加工而设计。

▶ These end mills are furnished as regular with right-hand cutting and right-hand helical flutes. These are designed for slotting, drilling, pocketing and general-purpose operation.


**HSS
Co8**
2
30°
PLAIN


P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2401010	EQ401010	1.0	6	2.5	55
E2401015	EQ401015	1.5	6	4	55
E2401020	EQ401020	2.0	6	6	55
E2401025	EQ401025	2.5	6	7	55
E2401030	EQ401030	3.0	6	10	55
E2401035	EQ401035	3.5	8	12	60
E2401903	EQ401903	4.0	6	12	55
E2401040	EQ401040	4.0	8	12	60
E2401045	EQ401045	4.5	8	15	65
E2401905	EQ401905	5.0	6	15	60
E2401050	EQ401050	5.0	8	15	65
E2401055	EQ401055	5.5	8	15	65
E2401907	EQ401907	• 6.0	6	15	60
E2401060	EQ401060	6.0	8	15	65
E2401065	EQ401065	6.5	10	20	75
E2401909	EQ401909	7.0	8	20	70
E2401070	EQ401070	7.0	10	20	75
E2401075	EQ401075	7.5	10	20	75
E2401911	EQ401911	• 8.0	8	20	70
E2401080	EQ401080	8.0	10	21	75
E2401085	EQ401085	8.5	10	25	80
E2401090	EQ401090	9.0	10	25	80
E2401095	EQ401095	9.5	10	25	80
E2401100	EQ401100	• 10.0	10	26	80
E2401105	EQ401105	10.5	12	30	90
E2401110	EQ401110	11.0	12	30	90
E2401115	EQ401115	11.5	12	30	90
E2401120	EQ401120	• 12.0	12	31	90
E2401130	EQ401130	13.0	12	35	95
E2401916	EQ401916	14.0	12	35	95
E2401140	EQ401140	14.0	16	35	100
E2401150	EQ401150	15.0	16	40	105
E2401160	EQ401160	16.0	16	40	105
E2401170	EQ401170	17.0	16	40	105

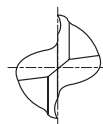
◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 2刃 普通刃 HSSCo8, 2 FLUTE REGULAR LENGTH

► 这些铣刀是右向螺旋角右向切削的正规铣刀。为开立槽、钻孔、型腔和普通用途加工而设计。

► These end mills are furnished as regular with right-hand cutting and right-hand helical flutes. These are designed for slotting, drilling, pocketing and general-purpose operation.



P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2401180	EQ401180	18.0	16	40	105
E2401190	EQ401190	19.0	20	45	115
E2401200	EQ401200	20.0	20	45	115
E2401210	EQ401210	21.0	20	45	115
E2401220	EQ401220	22.0	20	45	115
E2401230	EQ401230	23.0	25	50	125
E2401240	EQ401240	24.0	25	50	125
E2401250	EQ401250	25.0	25	50	125
E2401260	EQ401260	26.0	25	50	125
E2401270	EQ401270	27.0	25	55	125
E2401280	EQ401280	28.0	25	55	125
E2401290	EQ401290	29.0	25	55	125
E2401300	EQ401300	30.0	25	55	125
E2401310	EQ401310	31.0	32	60	145
E2401320	EQ401320	32.0	32	60	145
E2401330	EQ401330	33.0	32	60	145
E2401340	EQ401340	34.0	32	60	145
E2401350	EQ401350	35.0	32	60	145
E2401360	EQ401360	36.0	32	65	150
E2401370	EQ401370	37.0	32	65	150
E2401380	EQ401380	38.0	32	65	150
E2401390	EQ401390	39.0	32	65	150
E2401400	EQ401400	40.0	32	65	150
E2401420	EQ401420	42.0	42	70	160
E2401450	EQ401450	45.0	42	70	160
E2401460	EQ401460	46.0	42	75	160
E2401480	EQ401480	48.0	42	75	165
E2401500	EQ401500	50.0	42	75	165

刃部公差 Mill Dia. Tolerance(mm)					柄部公差 Shank Dia. Tolerance
• 6	• 8	• 10	• 12	Other size	
$\begin{smallmatrix} 0 \\ -0.035 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -0.040 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -0.040 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -0.045 \end{smallmatrix}$	$\begin{smallmatrix} 0 \\ -0.030 \end{smallmatrix}$	h6

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS


**HSS
END MILLS**
E2406 SERIES

PLAIN SHANK

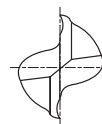
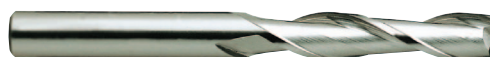
EQ406 SERIES

PLAIN SHANK

HSSCo8, 2刃 长刃
HSSCo8, 2 FLUTE LONG LENGTH

▶ 通过使用更长的沟槽可以进行更深更宽的加工。

▶ Possible for deeper & wider cutting by using the much longer flutes.


**HSS
Co8**
2
30°
PLAIN


P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAlN				
E2406030	EQ406030	3.0	6	15	60
E2406901	EQ406901	4.0	6	20	65
E2406902	EQ406902	5.0	6	25	70
E2406050	EQ406050	5.0	8	25	75
E2406903	EQ406903	6.0	6	25	70
E2406060	EQ406060	6.0	8	25	75
E2406070	EQ406070	7.0	10	35	90
E2406080	EQ406080	8.0	10	35	90
E2406090	EQ406090	9.0	10	45	100
E2406100	EQ406100	10.0	10	45	100
E2406110	EQ406110	11.0	12	55	115
E2406120	EQ406120	12.0	12	55	115
E2406130	EQ406130	13.0	12	55	115
E2406140	EQ406140	14.0	16	55	120
E2406150	EQ406150	15.0	16	65	130
E2406160	EQ406160	16.0	16	65	130
E2406170	EQ406170	17.0	16	65	130
E2406180	EQ406180	18.0	16	65	130
E2406190	EQ406190	19.0	20	75	145
E2406200	EQ406200	20.0	20	75	145
E2406210	EQ406210	21.0	20	75	145
E2406220	EQ406220	22.0	20	75	145
E2406230	EQ406230	23.0	25	90	165
E2406240	EQ406240	24.0	25	90	165
E2406250	EQ406250	25.0	25	90	165

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

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YG YG-1 CO., LTD.
CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

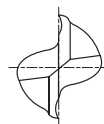
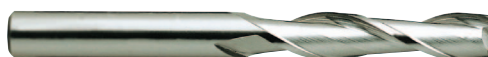
CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

HSSCo8, 2刃 长刃 HSSCo8, 2 FLUTE LONG LENGTH

▶ 通过使用更长的沟槽可以进行更深更宽的加工。

▶ Possible for deeper & wider cutting by using the much longer flutes.



P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2406260	EQ406260	26.0	25	90	165
E2406270	EQ406270	27.0	25	90	165
E2406280	EQ406280	28.0	25	90	165
E2406290	EQ406290	29.0	25	90	165
E2406300	EQ406300	30.0	25	90	165
E2406310	EQ406310	31.0	32	95	180
E2406320	EQ406320	32.0	32	95	180
E2406330	EQ406330	33.0	32	100	185
E2406340	EQ406340	34.0	32	100	185
E2406350	EQ406350	35.0	32	100	185
E2406360	EQ406360	36.0	32	105	190
E2406370	EQ406370	37.0	32	105	190
E2406380	EQ406380	38.0	32	105	190
E2406390	EQ406390	39.0	32	110	195
E2406400	EQ406400	40.0	32	110	195
E2406420	EQ406420	42.0	42	115	200
E2406450	EQ406450	45.0	42	120	205
E2406480	EQ406480	48.0	42	125	215
E2406500	EQ406500	50.0	42	125	215

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~-0.03	h6

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)

CARBIDE

HSS


**HSS
END MILLS**
E2749 SERIES

PLAIN SHANK

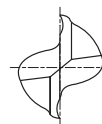
EQ749 SERIES

PLAIN SHANK

HSSCo8, 2刃 超长刃
HSSCo8, 2 FLUTE EXTRA LONG LENGTH

▶ 通过使用比E2406 (C20LS) 系列更长的沟槽可以进行更深更宽的加工。

▶ Possible for deeper & wider cutting by using the much longer flutes than E2406(C20LS) type.


**HSS
Co8**
2
30°
PLAIN


P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAlN				
E2749160	EQ749160	16.0	16	100	160
E2749180	EQ749180	18.0	16	100	180
E2749200	EQ749200	20.0	20	100	180
E2749901	EQ749901	20.0	20	120	200
E2749902	EQ749902	20.0	20	150	230
E2749220	EQ749220	22.0	20	120	200
E2749240	EQ749240	24.0	25	100	180
E2749903	EQ749903	24.0	25	150	250
E2749250	EQ749250	25.0	25	100	180
E2749904	EQ749904	25.0	25	120	220
E2749905	EQ749905	25.0	25	150	250
E2749260	EQ749260	26.0	25	150	250
E2749280	EQ749280	28.0	25	150	250
E2749300	EQ749300	30.0	25	120	200
E2749906	EQ749906	30.0	25	150	250
E2749907	EQ749907	30.0	25	200	280
E2749320	EQ749320	32.0	32	150	230
E2749908	EQ749908	32.0	32	200	280
E2749350	EQ749350	35.0	32	150	250
E2749909	EQ749909	35.0	32	200	300
E2749360	EQ749360	36.0	32	150	250
E2749380	EQ749380	38.0	32	150	250
E2749400	EQ749400	40.0	32	150	250
E2749910	EQ749910	40.0	32	200	300
E2749450	EQ749450	45.0	42	200	300
E2749500	EQ749500	50.0	42	200	300

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~-0.03	h6

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铁合金 Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

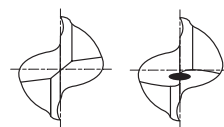
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YG YG-1 CO., LTD.

HSSCo8, 2刃 短刃 HSSCo8, 2 FLUTE SHORT LENGTH

► 为插入式切削, 型腔加工及普通用途进行了很好的设计.

► Well - designed for the plunge cutting, pocketing and general purpose.



up to Ø3mm over Ø3mm



P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2420010	EQ420010	1.0	6	2.5	45
E2420015	EQ420015	1.5	6	4	45
E2420020	EQ420020	2.0	6	5	50
E2420025	EQ420025	2.5	6	6	50
E2420030	EQ420030	3.0	6	8	50
E2420035	EQ420035	3.5	8	8	60
E2420040	EQ420040	4.0	8	8	60
E2420045	EQ420045	4.5	8	10	60
E2420050	EQ420050	5.0	8	10	60
E2420055	EQ420055	5.5	8	12	60
E2420060	EQ420060	6.0	8	12	60
E2420070	EQ420070	7.0	10	14	60
E2420080	EQ420080	8.0	10	14	60
E2420090	EQ420090	9.0	10	18	70
E2420100	EQ420100	10.0	10	18	70
E2420110	EQ420110	11.0	12	22	80
E2420120	EQ420120	12.0	12	22	80
E2420130	EQ420130	13.0	12	26	85
E2420140	EQ420140	14.0	16	26	90
E2420150	EQ420150	15.0	16	30	95
E2420160	EQ420160	16.0	16	30	95
E2420170	EQ420170	17.0	16	34	95
E2420180	EQ420180	18.0	16	34	95
E2420190	EQ420190	19.0	20	38	110
E2420200	EQ420200	20.0	20	38	110
E2420210	EQ420210	21.0	20	45	110
E2420220	EQ420220	22.0	20	45	110

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS

**HSS
END MILLS****E2420** SERIES

PLAIN SHANK

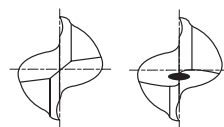
EQ420 SERIES

PLAIN SHANK

HSSCo8, 2刃 短刃**HSSCo8, 2 FLUTE SHORT LENGTH**

▶ 为插入式切削, 型腔加工及普通用途进行了很好的设计.

▶ Well - designed for the plunge cutting, pocketing and general purpose.



up to Ø3mm over Ø3mm

**HSS
Co8****2****30°****PLAIN**

P.971, 972

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAlN				
E2420230	EQ420230	23.0	25	50	120
E2420240	EQ420240	24.0	25	50	120
E2420250	EQ420250	25.0	25	50	120
E2420260	EQ420260	26.0	25	50	120
E2420270	EQ420270	27.0	25	55	125
E2420280	EQ420280	28.0	25	55	125
E2420290	EQ420290	29.0	25	55	125
E2420300	EQ420300	30.0	25	55	125
E2420310	EQ420310	31.0	32	60	145
E2420320	EQ420320	32.0	32	60	145
E2420330	EQ420330	33.0	32	60	145
E2420340	EQ420340	34.0	32	60	145
E2420350	EQ420350	35.0	32	60	145
E2420360	EQ420360	36.0	32	65	150
E2420370	EQ420370	37.0	32	65	150
E2420380	EQ420380	38.0	32	65	150
E2420390	EQ420390	39.0	32	65	150
E2420400	EQ420400	40.0	32	65	150
E2420420	EQ420420	42.0	42	70	160
E2420450	EQ420450	45.0	42	70	160
E2420500	EQ420500	50.0	42	70	165

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~-0.03	h6

◎ : 优(Excellent) ○ : 良(Good)

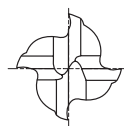
碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRC30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 4刃 普通刃 - 中心切削式

HSSCo8, 4FLUTE CENTER CUTTING REGULAR LENGTH

► 这些铣刀是右向螺旋角右向切削的正规铣刀。为开立槽、钻孔、型腔和普通用途加工而设计。

► These end mills are furnished as regular with right-hand cutting and right-hand helical flutes. These are designed for slotting, drilling, pocketing and general-purpose operation.



P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2412010	EQ412010	1.0	6	2.5	55
E2412015	EQ412015	1.5	6	4	55
E2412020	EQ412020	2.0	6	6	55
E2412025	EQ412025	2.5	6	7	55
E2412030	EQ412030	3.0	6	10	55
E2412035	EQ412035	3.5	8	12	60
E2412040	EQ412040	4.0	8	12	60
E2412045	EQ412045	4.5	8	15	65
E2412050	EQ412050	5.0	8	15	65
E2412055	EQ412055	5.5	8	15	65
E2412060	EQ412060	6.0	8	15	65
E2412065	EQ412065	6.5	10	20	75
E2412070	EQ412070	7.0	10	20	75
E2412075	EQ412075	7.5	10	20	75
E2412080	EQ412080	8.0	10	21	75
E2412085	EQ412085	8.5	10	25	80
E2412090	EQ412090	9.0	10	25	80
E2412095	EQ412095	9.5	10	25	80
E2412100	EQ412100	10.0	10	26	80
E2412105	EQ412105	10.5	12	30	90
E2412110	EQ412110	11.0	12	30	90
E2412115	EQ412115	11.5	12	30	90
E2412120	EQ412120	12.0	12	31	90
E2412130	EQ412130	13.0	12	35	95
E2412912	EQ412912	14.0	12	35	95
E2412140	EQ412140	14.0	16	35	100
E2412150	EQ412150	15.0	16	40	105
E2412160	EQ412160	16.0	16	40	105
E2412170	EQ412170	17.0	16	40	105
E2412180	EQ412180	18.0	16	40	105
E2412190	EQ412190	19.0	20	45	115
E2412200	EQ412200	20.0	20	45	115
E2412210	EQ412210	21.0	20	45	115
E2412220	EQ412220	22.0	20	45	115

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS


**HSS
END MILLS**
E2412 SERIES

PLAIN SHANK

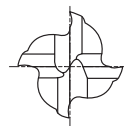
EQ412 SERIES

PLAIN SHANK

HSSCo8, 4刃 普通刃 - 中心切削式
HSSCo8, 4FLUTE CENTER CUTTING REGULAR LENGTH

▶ 这些铣刀是右向螺旋角右向切削的正规铣刀。为开立槽、钻孔、型腔和普通用途加工而设计。

▶ These end mills are furnished as regular with right-hand cutting and right-hand helical flutes. These are designed for slotting, drilling, pocketing and general-purpose operation.


**HSS
Co8**
4
30°
PLAIN


P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2412230	EQ412230	23.0	25	50	125
E2412240	EQ412240	24.0	25	50	125
E2412250	EQ412250	25.0	25	50	125
E2412260	EQ412260	26.0	25	50	125
E2412270	EQ412270	27.0	25	55	125
E2412280	EQ412280	28.0	25	55	125
E2412290	EQ412290	29.0	25	55	125
E2412300	EQ412300	30.0	25	55	125
E2412310	EQ412310	31.0	32	60	145
E2412320	EQ412320	32.0	32	60	145
E2412330	EQ412330	33.0	32	60	145
E2412340	EQ412340	34.0	32	60	145
E2412350	EQ412350	35.0	32	60	145
E2412360	EQ412360	36.0	32	65	150
E2412370	EQ412370	37.0	32	65	150
E2412380	EQ412380	38.0	32	65	150
E2412390	EQ412390	39.0	32	65	150
E2412400	EQ412400	40.0	32	65	150
E2412410	EQ412410	41.0	42	70	160
E2412420	EQ412420	42.0	42	70	160
E2412430	EQ412430	43.0	42	70	160
E2412440	EQ412440	44.0	42	70	160
E2412450	EQ412450	45.0	42	70	160
E2412460	EQ412460	46.0	42	75	160
E2412470	EQ412470	47.0	42	75	160
E2412480	EQ412480	48.0	42	75	165
E2412490	EQ412490	49.0	42	75	165
E2412500	EQ412500	50.0	42	75	165

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~+0.03	h6

◎ : 优(Excellent) ○ : 良(Good)

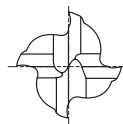
碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRC30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 4刃 长刃 - 中心切削式

HSSCo8, 4FLUTE CENTER CUTTING LONG LENGTH

► 通过使用更长的沟槽可以进行更深更宽的加工。

► Possible for deeper & wider cutting by using the much longer flutes.



P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN				
E2659030	EQ659030	3.0	6	15	60
E2659040	EQ659040	4.0	8	20	70
E2659050	EQ659050	5.0	8	25	75
E2659060	EQ659060	6.0	8	25	75
E2659070	EQ659070	7.0	10	35	90
E2659080	EQ659080	8.0	10	35	90
E2659090	EQ659090	9.0	10	45	100
E2659100	EQ659100	10.0	10	45	100
E2659110	EQ659110	11.0	12	55	115
E2659120	EQ659120	12.0	12	55	115
E2659130	EQ659130	13.0	12	55	115
E2659140	EQ659140	14.0	16	55	120
E2659150	EQ659150	15.0	16	65	130
E2659160	EQ659160	16.0	16	65	130
E2659170	EQ659170	17.0	16	65	130
E2659180	EQ659180	18.0	16	65	130
E2659190	EQ659190	19.0	20	75	145
E2659200	EQ659200	20.0	20	75	145
E2659210	EQ659210	21.0	20	75	145
E2659220	EQ659220	22.0	20	75	145
E2659230	EQ659230	23.0	25	90	165
E2659240	EQ659240	24.0	25	90	165
E2659250	EQ659250	25.0	25	90	165
E2659260	EQ659260	26.0	25	90	165
E2659270	EQ659270	27.0	25	90	165

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS


**HSS
END MILLS**
E2659 SERIES

PLAIN SHANK

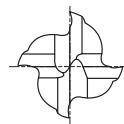
EQ659 SERIES

PLAIN SHANK

HSSCo8, 4刃 长刃 - 中心切削式
HSSCo8, 4FLUTE CENTER CUTTING LONG LENGTH

▶ 通过使用更长的沟槽可以进行更深更宽的加工。

▶ Possible for deeper & wider cutting by using the much longer flutes.


**HSS
Co8**
4
30°
PLAIN


P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAlN				
E2659280	EQ659280	28.0	25	90	165
E2659290	EQ659290	29.0	25	90	165
E2659300	EQ659300	30.0	25	90	165
E2659310	EQ659310	31.0	32	95	180
E2659320	EQ659320	32.0	32	95	180
E2659330	EQ659330	33.0	32	100	185
E2659340	EQ659340	34.0	32	100	185
E2659350	EQ659350	35.0	32	100	185
E2659360	EQ659360	36.0	32	105	190
E2659370	EQ659370	37.0	32	105	190
E2659380	EQ659380	38.0	32	105	190
E2659390	EQ659390	39.0	32	110	195
E2659400	EQ659400	40.0	32	110	195
E2659420	EQ659420	42.0	42	115	200
E2659450	EQ659450	45.0	42	120	205
E2659460	EQ659460	46.0	42	125	215
E2659480	EQ659480	48.0	42	125	215
E2659500	EQ659500	50.0	42	125	215

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~+0.03	h6

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

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

YG-1 CO., LTD.

HSSCo8, 4刃 超长刃
HSSCo8, 4 FLUTE EXTRA LONG LENGTH


P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAlN				
E2750160	EQ750160	16.0	16	100	160
E2750180	EQ750180	18.0	16	100	180
E2750200	EQ750200	20.0	20	100	180
E2750901	EQ750901	20.0	20	120	200
E2750902	EQ750902	20.0	20	150	230
E2750220	EQ750220	22.0	20	120	200
E2750240	EQ750240	24.0	25	100	180
E2750903	EQ750903	24.0	25	150	250
E2750250	EQ750250	25.0	25	100	180
E2750904	EQ750904	25.0	25	120	220
E2750905	EQ750905	25.0	25	150	250
E2750260	EQ750260	26.0	25	150	250
E2750280	EQ750280	28.0	25	150	250
E2750300	EQ750300	30.0	25	120	200
E2750906	EQ750906	30.0	25	150	250
E2750907	EQ750907	30.0	25	200	280
E2750320	EQ750320	32.0	32	150	230
E2750908	EQ750908	32.0	32	200	280
E2750350	EQ750350	35.0	32	150	250
E2750909	EQ750909	35.0	32	200	300
E2750360	EQ750360	36.0	32	150	250
E2750380	EQ750380	38.0	32	150	250
E2750400	EQ750400	40.0	32	150	250
E2750910	EQ750910	40.0	32	200	300
E2750450	EQ750450	45.0	42	200	300
E2750500	EQ750500	50.0	42	200	300

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~+0.03	h6

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)

CARBIDE

HSS


**HSS
END MILLS**
E2421 SERIES

PLAIN SHANK

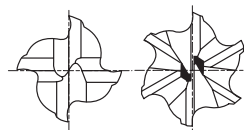
EQ421 SERIES

PLAIN SHANK

HSSCo8, 4&6刃 短刃
HSSCo8, 4&6 FLUTE SHORT LENGTH

▶ 荐于用于加工型腔, 凸轮轮廓, 模腔和开立槽.

▶ Recommended for pocketing copy milling, cam profiling, die sinking and slotting.


**HSS
Co8**
4&6
30°
PLAIN


P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAIN					
E2421025	EQ421025	2.5	6	10	50	4
E2421030	EQ421030	3.0	6	10	50	4
E2421035	EQ421035	3.5	8	12	60	4
E2421040	EQ421040	4.0	8	12	60	4
E2421045	EQ421050	4.5	8	15	60	4
E2421050	EQ421055	5.0	8	15	60	4
E2421055	EQ421060	5.5	8	15	60	4
E2421060	EQ421060	6.0	8	15	60	4
E2421070	EQ421070	7.0	10	20	60	4
E2421080	EQ421080	8.0	10	20	60	4
E2421090	EQ421090	9.0	10	25	70	4
E2421100	EQ421100	10.0	10	25	70	4
E2421110	EQ421110	11.0	12	30	80	4
E2421120	EQ421120	12.0	12	30	80	4
E2421130	EQ421130	13.0	12	35	85	4
E2421140	EQ421140	14.0	16	35	90	4
E2421150	EQ421150	15.0	16	40	95	4
E2421160	EQ421160	16.0	16	40	95	4
E2421170	EQ421170	17.0	16	40	95	4
E2421180	EQ421180	18.0	16	40	95	4
E2421190	EQ421190	19.0	20	45	110	4
E2421200	EQ421200	20.0	20	45	110	4
E2421210	EQ421210	21.0	20	45	110	4
E2421220	EQ421220	22.0	20	45	110	4
E2421230	EQ421230	23.0	25	50	120	4
E2421240	EQ421240	24.0	25	50	120	4
E2421250	EQ421250	25.0	25	50	120	4

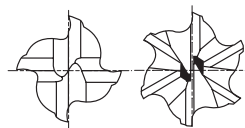
◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 4&6刃 短刃 HSSCo8, 4&6 FLUTE SHORT LENGTH

▶ 荐于用于加工型腔, 凸轮轮廓, 模腔和开立槽.

▶ Recommended for pocketing copy milling, cam profiling, die sinking and slotting.



P.974, 975

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAIN					
E2421260	EQ421260	26.0	25	50	120	4
E2421270	EQ421270	27.0	25	55	125	4
E2421280	EQ421280	28.0	25	55	125	4
E2421290	EQ421290	29.0	25	55	125	4
E2421300	EQ421300	30.0	25	55	125	4
E2421310	EQ421310	31.0	32	60	145	4
E2421320	EQ421320	32.0	32	60	145	4
E2421330	EQ421330	33.0	32	60	145	4
E2421340	EQ421340	34.0	32	60	145	4
E2421350	EQ421350	35.0	32	60	145	4
E2421360	EQ421360	36.0	32	65	150	4
E2421370	EQ421370	37.0	32	65	150	4
E2421380	EQ421380	38.0	32	65	150	4
E2421390	EQ421390	39.0	32	65	150	4
E2421400	EQ421400	40.0	32	65	150	4
E2421420	EQ421420	42.0	42	70	160	6
E2421450	EQ421450	45.0	42	70	160	6
E2421500	EQ421500	50.0	42	75	165	6

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~+0.03	h6

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels	高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍钴铁合金 Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)



HSSCo8, 2刃 普通刃 球头

HSSCo8, 2 FLUTE REGULAR LENGTH BALL NOSE

▶ 2个刃的球头铣刀是用来加工圆弧底面的立槽, 带沟和特殊轮廓而设计的。底刃切削刃到中心允许这些铣刀在开立槽之前在材料上先钻孔。2刃设计为开立槽时提供了很好的排屑能力。

▶ The two flute ball End Mills are designed for milling of radius bottom slot, fillet and special contour. The end teeth are cut to center allowing these end mills to drill into material at the beginning of a slotting cut. The two flute design provides good chip ejection ability in slotting.

HSS
Co8

2

30°

R
±0.02

PLAIN



P.978

单位(Unit) : mm

型号 EDP No.		球头半径 Radius of Ball Nose R (±0.02)	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN					
E2480010	EQ480010	R0.5	1.0	6	2.5	50
E2480015	EQ480015	R0.75	1.5	6	4	50
E2480020	EQ480020	R1.0	2.0	6	5	50
E2480025	EQ480025	R1.25	2.5	6	6	60
E2480030	EQ480030	R1.5	3.0	6	8	60
E2480901	EQ480901	R2.0	4.0	6	8	70
E2480902	EQ480902	R2.5	5.0	6	10	80
E2480903	EQ480903	R3.0	6.0	6	12	90
E2480904	EQ480904	R3.5	7.0	8	14	90
E2480905	EQ480905	R4.0	8.0	8	14	100
E2480090	EQ480090	R4.5	9.0	10	18	100
E2480100	EQ480100	R5.0	10.0	10	18	100
E2480110	EQ480110	R5.5	11.0	12	22	100
E2480120	EQ480120	R6.0	12.0	12	22	110
E2480130	EQ480130	R6.5	13.0	12	26	110
E2480906	EQ480906	R7.0	14.0	12	26	110
E2480907	EQ480907	R7.5	15.0	12	30	110
E2480160	EQ480160	R8.0	16.0	16	30	140
E2480170	EQ480170	R8.5	17.0	16	34	140
E2480180	EQ480180	R9.0	18.0	16	34	140
E2480190	EQ480190	R9.5	19.0	16	38	140

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 2刃 普通刃 球头

HSSCo8, 2 FLUTE REGULAR LENGTH BALL NOSE

▶ 2个刃的球头铣刀是用来加工圆弧底面的立槽，带沟和特殊轮廓而设计的。底刃切削刃到中心允许这些铣刀在开立槽之前在材料上先钻孔。2刃设计为开立槽时提供了很好的排屑能力。

▶ The two flute ball End Mills are designed for milling of radius bottom slot, fillet and special contour. The end teeth are cut to center allowing these end mills to drill into material at the beginning of a slotting cut. The two flute design provides good chip ejection ability in slotting.



单位(Unit) : mm

型号 EDP No.		球头半径 Radius of Ball Nose R (±0.02)	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length
UNCOATED	TiAIN					
E2480200	EQ480200	R10.0	20.0	20	38	160
E2480210	EQ480210	R10.5	21.0	20	45	170
E2480220	EQ480220	R11.0	22.0	20	45	170
E2480230	EQ480230	R11.5	23.0	20	50	180
E2480908	EQ480908	R12.0	24.0	20	50	180
E2480240	EQ480240	R12.0	24.0	25	50	180
E2480250	EQ480250	R12.5	25.0	25	50	180
E2480260	EQ480260	R13.0	26.0	25	50	180
E2480270	EQ480270	R13.5	27.0	25	50	180
E2480280	EQ480280	R14.0	28.0	25	50	180
E2480300	EQ480300	R15.0	30.0	25	55	180
E2480320	EQ480320	R16.0	32.0	32	60	180
E2480350	EQ480350	R17.5	35.0	32	60	180
E2480400	EQ480400	R20.0	40.0	32	65	200
E2480500	EQ480500	R25.0	50.0	42	75	210

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
0~-0.03	h6

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)

HSSCo8, 2刃 锥度

HSSCo8, 2 FLUTE TAPER

▶ 用于模具加工

▶ For machining dies and molds.



单位(Unit) : mm

型号 EDP No.	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	锥度 Taper Angle
E2682010	1.0	6	4	45	30'
E2682011	1.0	6	4	45	1°
E2682012	1.0	6	4	45	1°30'
E2682013	1.0	6	4	45	2°
E2682014	1.0	6	4	45	3°
E2682015	1.5	6	5	45	30'
E2682016	1.5	6	5	45	1°
E2682017	1.5	6	5	45	1°30'
E2682018	1.5	6	5	45	2°
E2682019	1.5	6	5	45	3°
E2682020	2.0	6	6	45	30'
E2682021	2.0	6	6	45	1°
E2682022	2.0	6	6	45	1°30'
E2682023	2.0	6	6	45	2°
E2682024	2.0	6	6	45	3°
E2682025	2.0	6	6	45	5°
E2682902	2.0	6	6	45	2°30'
E2682026	2.5	6	8	45	30'
E2682027	2.5	6	8	45	1°
E2682028	2.5	6	8	45	1°30'
E2682029	2.5	6	8	45	2°
E2682903	2.5	6	8	45	2°30'
E2682904	2.5	6	8	45	3°
E2682901	2.5	6	8	50	5°
E2682030	3.0	6	10	45	30'
E2682031	3.0	6	10	45	1°
E2682032	3.0	6	10	45	1°30'
E2682033	3.0	6	10	45	2°
E2682036	3.0	6	10	45	2°30'
E2682034	3.0	6	10	45	3°
E2682035	3.0	6	10	50	5°

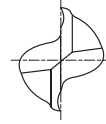
◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 2刃 锥度
HSSCo8, 2 FLUTE TAPER

▶ 用于模具加工

▶ For machining dies and molds.

HSS
Co8

2

30°

PLAIN



P.985

单位(Unit) : mm

型号 EDP No.	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	锥度 Taper Angle
E2682040	4.0	6	15	50	30'
E2682041	4.0	6	15	50	1°
E2682042	4.0	6	15	50	1°30'
E2682043	4.0	6	15	50	2°
E2682046	4.0	6	15	50	2°30'
E2682044	4.0	6	15	50	3°
E2682045	4.0	6	15	60	5°
E2682050	5.0	6	20	55	30'
E2682051	5.0	6	20	55	1°
E2682052	5.0	6	20	55	1°30'
E2682053	5.0	6	20	55	2°
E2682054	5.0	6	20	55	2°30'
E2682055	5.0	6	20	55	3°
E2682056	5.0	8	20	80	5°
E2682060	6.0	6	20	55	30'
E2682061	6.0	6	20	55	1°
E2682062	6.0	6	20	55	1°30'
E2682063	6.0	6	20	55	2°
E2682064	6.0	6	20	55	2°30'
E2682065	6.0	8	20	60	3°
E2682066	6.0	8	20	80	5°

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance	锥度公差 Taper Angle Tolerance
+0.01 -0.05	h6	±5'

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钴铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

◎ : 优(Excellent) ○ : 良(Good)

CBN
END MILLSi-Xmill
END MILLSX5070
END MILLSX-POWER
END MILLSJET-POWER
END MILLSV7 Mill INOX
END MILLSV7 Mill STEEL
END MILLSALU-POWER
END MILLS

CRX S

D-POWER
END MILLSK-2 CARBIDE
END MILLSGENERAL
CARBIDE
END MILLSTANK-POWER
END MILLSGENERAL
HSS
END MILLSMILLING
CUTTERSTECHNICAL
DATA

CARBIDE

HSS

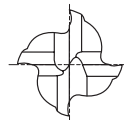

**HSS
END MILLS**
E2683 SERIES

PLAIN SHANK

HSSCo8, 4刃 锥度 HSSCo8, 4 FLUTE TAPER

▶ 用于模具加工

▶ For machining dies and molds.



单位(Unit) : mm

型号 EDP No.	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	锥度 Taper Angle
E2683080	8.0	8	25	65	30'
E2683081	8.0	8	25	65	1°
E2683082	8.0	8	25	65	1°30'
E2683083	8.0	8	25	65	2°
E2683084	8.0	10	25	70	2°30'
E2683085	8.0	10	25	70	3°
E2683086	8.0	12	25	90	5°
E2683100	10.0	10	35	85	30'
E2683101	10.0	10	35	85	1°
E2683102	10.0	10	35	85	1°30'
E2683103	10.0	12	35	90	2°
E2683104	10.0	12	35	90	2°30'
E2683105	10.0	12	35	90	3°
E2683106	10.0	16	35	115	5°
E2683120	12.0	12	55	110	30'
E2683121	12.0	12	55	110	1°
E2683122	12.0	12	55	110	1°30'
E2683123	12.0	12	55	110	2°
E2683124	12.0	16	55	110	2°30'
E2683125	12.0	16	55	110	3°
E2683126	12.0	20	55	110	5°
E2683127	12.0	20	55	155	5°

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance	锥度公差 Taper Angle Tolerance
+0.01 -0.05	h6	±5'

◎ : 优(Excellent) ○ : 良(Good)

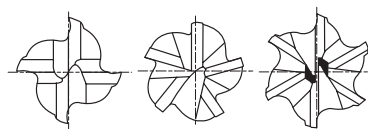
碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels	高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45 HRc45~55	HRc55~70							
◎	◎	○						○			

HSSCo8, 多刃 短刃 中心切削式 粗加工 - 粗螺纹

HSSCo8, MULTI FLUTE SHORT LENGTH CENTER CUT ROUGHING-COARSE

► 普通用途的粗加工刀具为在广泛的被加工材料上进行高生产量金属切削而设计的。

► This general purpose rougher is designed for high production metal removal in a wide range of work piece material. It is recommended for cutting steel grades and many non-ferrous materials.



单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAIN					
E2760060	EQ760060	6.0	8	15	60	4
E2760070	EQ760070	7.0	10	20	65	4
E2760080	EQ760080	8.0	10	20	65	4
E2760090	EQ760090	9.0	12	25	75	4
E2760100	EQ760100	10.0	12	25	75	4
E2760110	EQ760110	11.0	12	30	80	4
E2760120	EQ760120	12.0	12	30	80	4
E2760130	EQ760130	13.0	16	35	90	4
E2760140	EQ760140	14.0	16	35	90	4
E2760150	EQ760150	15.0	16	40	95	4
E2760160	EQ760160	16.0	16	40	95	4
E2760170	EQ760170	17.0	20	40	105	4
E2760180	EQ760180	18.0	20	40	105	4
E2760190	EQ760190	19.0	20	45	110	4
E2760200	EQ760200	20.0	20	45	110	4
E2760210	EQ760210	21.0	20	45	110	5
E2760220	EQ760220	22.0	20	45	110	5
E2760230	EQ760230	23.0	25	50	120	5
E2760240	EQ760240	24.0	25	50	120	5
E2760250	EQ760250	25.0	25	50	120	5
E2760260	EQ760260	26.0	25	50	120	6
E2760270	EQ760270	27.0	25	55	125	6
E2760280	EQ760280	28.0	25	55	125	6
E2760290	EQ760290	29.0	25	55	125	6
E2760300	EQ760300	30.0	25	55	125	6
E2760310	EQ760310	31.0	32	60	145	6
E2760320	EQ760320	32.0	32	60	145	6

◎ : 优(Excellent) ○ : 良(Good)

碳钢	合金钢	预硬钢	硬化钢		高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍钛合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45	HRC45~55	HRC55~70							
◎	◎	○							○			

CARBIDE

HSS


**HSS
END MILLS**
E2760 SERIES

FLAT SHANK

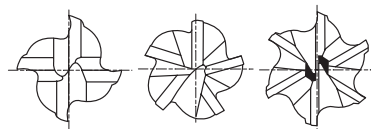
EQ760 SERIES

FLAT SHANK

HSSCo8, 多刃 短刃 中心切削式 粗加工 - 粗螺纹
HSSCo8, MULTI FLUTE SHORT LENGTH CENTER CUT ROUGHING-COARSE

▶ 普通用途的粗加工刀具为在广泛的被加工材料上进行高生产量金属切削而设计的。

▶ This general purpose rougher is designed for high production metal removal in a wide range of work piece material. It is recommended for cutting steel grades and many non-ferrous materials.


**HSS
Co8**
COARSE
4-6
30°
**DIN
1835B**


P.980, 981

单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAIN					
E2760330	EQ760330	33.0	32	60	145	6
E2760340	EQ760340	34.0	32	60	145	6
E2760350	EQ760350	35.0	32	60	145	6
E2760360	EQ760360	36.0	32	60	145	6
E2760370	EQ760370	37.0	32	65	150	6
E2760380	EQ760380	38.0	32	65	150	6
E2760390	EQ760390	39.0	32	65	150	6
E2760400	EQ760400	40.0	32	65	150	6
E2760420	EQ760420	42.0	32	65	155	6
E2760942	EQ760942	42.0	42	65	155	6
E2760450	EQ760450	45.0	32	70	160	6
E2760945	EQ760945	45.0	42	70	160	6
E2760480	EQ760480	48.0	32	70	160	6
E2760948	EQ760948	48.0	42	70	160	6
E2760500	EQ760500	50.0	32	70	160	6
E2760950	EQ760950	50.0	42	70	160	6

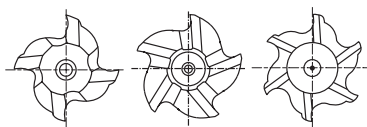
刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
±0.12	h6

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

HSSCo8, 多刃 长刃 粗加工 - 粗螺纹

HSSCo8, MULTI FLUTE LONG LENGTH ROUGHING-COARSE



单位(Unit) : mm

型号 EDP No.		刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAIN					
E2759100	EQ759100	10.0	10	45	95	4
E2759120	EQ759120	12.0	12	53	110	4
E2759140	EQ759140	14.0	12	53	110	4
E2759160	EQ759160	16.0	16	63	123	4
E2759180	EQ759180	18.0	16	63	123	4
E2759200	EQ759200	20.0	20	75	141	4
E2759220	EQ759220	22.0	20	75	141	5
E2759250	EQ759250	25.0	25	90	166	5
E2759280	EQ759280	28.0	25	90	166	5
E2759300	EQ759300	30.0	25	90	166	6
E2759320	EQ759320	32.0	32	106	186	6
E2759350	EQ759350	35.0	32	106	186	6
E2759360	EQ759360	36.0	32	106	186	6
E2759400	EQ759400	40.0	32	125	205	6
E2759450	EQ759450	45.0	42	125	227	6
E2759500	EQ759500	50.0	42	150	252	6

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
±0.12	h6

碳钢	合金钢	预硬钢	硬化钢	高硬钢	铜	石墨	铸铁	铝	不锈钢	钛	镍铬铁合金
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels	High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HB225	HB225~325	HRC30~40	HRC40~45 HRC45~55	HRC55~70							
◎	◎	○						○			

CARBIDE

HSS


**HSS
END MILLS**
E2806 SERIES

PLAIN SHANK

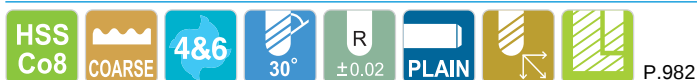
EQ806 SERIES

PLAIN SHANK

HSSCo8, 多刃 短刃 粗加工 球头 - 粗螺纹
HSSCo8, 4&6 FLUTE SHORT LENGTH ROUGHING BALL NOSE-COARSE

▶ 普通用途的粗加工刀具为在广泛的被加工材料上进行高生产量金属切削而设计的。

▶ This general purpose rougher is designed for high production metal removal in a wide range of work piece materials. It is recommended for cutting steel grades and many non-ferrous materials.



单位(Unit) : mm

型号 EDP No.		球头半径 Radius of Ball Nose R (±0.02)	刃部直径 Mill Diameter	柄部直径 Shank Diameter	刃长 Length of Cut	全长 Overall Length	刃数 No. of Flute
UNCOATED	TiAlN						
E2806080	EQ806080	R4.0	8.0	8	20	90	4
E2806100	EQ806100	R5.0	10.0	10	25	100	4
E2806120	EQ806120	R6.0	12.0	12	32	115	4
E2806140	EQ806140	R7.0	14.0	12	32	115	4
E2806160	EQ806160	R8.0	16.0	16	36	130	4
E2806180	EQ806180	R9.0	18.0	16	40	130	4
E2806200	EQ806200	R10.0	20.0	20	45	145	4
E2806250	EQ806250	R12.5	25.0	25	50	165	4
E2806300	EQ806300	R15.0	30.0	25	63	180	6
E2806320	EQ806320	R16.0	32.0	25	63	180	6
E2806350	EQ806350	R17.5	35.0	32	70	190	6
E2806400	EQ806400	R20.0	40.0	32	70	190	6
E2806500	EQ806500	R25.0	50.0	42	90	225	6

刃部公差 Mill Dia. Tolerance(mm)	柄部公差 Shank Dia. Tolerance
±0.12	h6

◎ : 优(Excellent) ○ : 良(Good)

碳钢 Carbon Steels	合金钢 Alloy Steels	预硬钢 Prehardened Steels	硬化钢 Hardened Steels		高硬钢 High Hardened Steels	铜 Copper	石墨 Graphite	铸铁 Cast Iron	铝 Aluminum	不锈钢 Stainless Steels	钛 Titanium	镍铬铁合金 Inconel
~HB225	HB225~325	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	○							○			

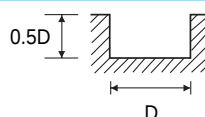
970 • phone:+82-32-526-0909, fax:+82-32-526-4373, www.yg1.kr, E-mail:yg1@yg1.kr

YG-1 CO., LTD.

HSSCo8, 2刃 - 开槽 HSSCo8, 2 FLUTE - SLOTTING

E2401, E2406, E2749, E2420 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2.0	5600	40	4500	30	4000	30	2200	15	12000	160
3.0	3500	55	3200	45	2500	40	1600	20	11000	250
4.0	2800	70	2200	55	1800	45	1100	30	8000	290
5.0	2200	90	1800	70	1600	60	900	35	6300	310
6.0	1800	90	1600	80	1200	60	800	40	5600	310
8.0	1400	100	1100	90	900	70	560	45	4000	390
10.0	1100	100	900	90	800	80	450	45	3100	400
12.0	900	110	800	100	630	80	400	50	2500	380
14.0	800	110	700	90	560	80	350	50	2200	350
16.0	700	110	560	90	450	70	280	45	2000	350
18.0	630	100	500	90	400	70	250	45	1800	350
20.0	560	100	450	90	400	70	220	45	1600	320
22.0	500	100	450	90	350	70	220	45	1400	300
25.0	450	90	400	80	310	60	180	35	1200	280
28.0	400	80	350	70	280	55	160	30	1100	270
30.0	350	70	310	60	250	50	160	30	1100	270
32.0	350	70	280	55	220	45	140	30	1000	240
36.0	310	60	250	50	200	40	120	25	900	220
40.0	280	60	220	50	180	40	110	25	800	200

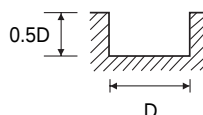


※ 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)


HSSCo8, 2刃 TiAlN 涂层 - 开槽
HSSCo8, 2 FLUTE TiAlN COATED - SLOTTING
E2401, E2406, E2749, E2420 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2.0	7850	55	6300	40	5600	40	3100	20	16800	225
3.0	4900	75	4500	65	3500	55	2250	30	15400	350
4.0	3900	100	3100	75	2500	65	1550	40	11200	405
5.0	3100	125	2500	100	2250	85	1250	50	8800	435
6.0	2500	125	2250	110	1700	85	1100	55	7850	435
8.0	1950	140	1550	125	1250	100	800	65	5600	545
10.0	1550	140	1250	125	1100	110	650	65	4350	560
12.0	1250	155	1100	140	900	110	550	70	3500	530
14.0	1100	155	1000	125	800	110	500	70	3100	490
16.0	1000	155	800	125	650	100	400	65	2800	490
18.0	900	140	700	125	550	100	350	65	2500	490
20.0	800	140	650	125	550	100	300	65	2250	450
22.0	700	140	650	125	500	100	300	65	1950	420
25.0	650	125	550	110	450	85	250	50	1700	390
28.0	550	110	500	100	400	75	200	40	1550	380
30.0	500	100	450	85	350	70	200	40	1550	380
32.0	500	100	400	75	300	65	200	40	1400	335
36.0	450	85	350	70	300	55	150	35	1250	310
40.0	400	85	300	70	250	55	150	35	1100	280



※ 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

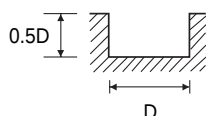
RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 2刃 42度螺旋角 HSSCo8, 2 FLUTE 42° HELIX

E2464 SERIES

开槽 / SLOTTING

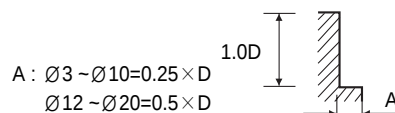
材质	铝, 非铁制金属	
MATERIAL	ALUMINUM NONFERROUS METALS	
DIAMETER	RPM	FEED
3.0	8000	560
6.0	7000	700
8.0	6000	850
10.0	5000	1200
12.0	5000	1200
14.0	3500	1240
16.0	3500	1240
18.0	2300	1300
20.0	2300	1300



RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

侧铣 / SIDE CUTTING

材质	铝, 非铁制金属	
MATERIAL	ALUMINUM NONFERROUS METALS	
DIAMETER	RPM	FEED
3.0	8000	730
6.0	7000	900
8.0	6000	1100
10.0	5000	1500
12.0	5000	1500
14.0	3500	1600
16.0	3500	1600
18.0	2300	1700
20.0	2300	1700



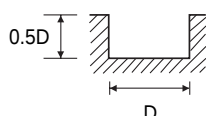
RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 2刃 42度螺旋角 TiCN 涂层 HSSCo8, 2 FLUTE 42° HELIX TiCN COATED

E2464 SERIES

开槽 / SLOTTING

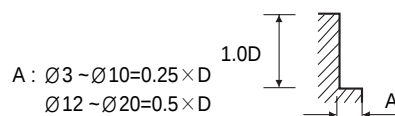
材质	铝, 非铁制金属	
MATERIAL	ALUMINUM NONFERROUS METALS	
DIAMETER	RPM	FEED
3.0	10400	730
6.0	9100	910
8.0	7800	1100
10.0	6500	1560
12.0	6500	1560
14.0	4500	1610
16.0	4500	1610
18.0	3000	1700
20.0	3000	1700



RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

侧铣 / SIDE CUTTING

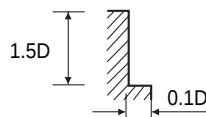
材质	铝, 非铁制金属	
MATERIAL	ALUMINUM NONFERROUS METALS	
DIAMETER	RPM	FEED
3.0	10400	950
6.0	9100	1150
8.0	7800	1400
10.0	6500	1950
12.0	6500	1950
14.0	4500	2080
16.0	4500	2080
18.0	3000	2210
20.0	3000	2210



RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)


HSSCo8, 多刃 - 侧铣
HSSCo8, MULTI FLUTE - SIDE CUTTING
E2412, E2659, E2750, E2421 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2.0	5600	80	4500	55	4000	45	2200	20	12000	240
3.0	3500	110	3200	80	2500	60	1600	30	11000	380
4.0	2800	140	2200	100	1800	65	1100	45	8000	440
5.0	2200	180	1800	125	1600	90	900	50	6300	470
6.0	1800	180	1600	145	1200	90	800	60	5600	470
8.0	1400	200	1100	160	900	105	560	65	4000	580
10.0	1100	200	900	160	800	120	450	65	3100	600
12.0	900	220	800	180	630	120	400	75	2500	570
14.0	800	220	700	160	560	120	350	75	2200	530
16.0	700	220	560	160	450	105	280	65	2000	530
18.0	630	200	500	160	400	105	250	65	1800	530
20.0	560	200	450	160	400	105	220	65	1600	480
22.0	500	200	450	160	350	105	220	65	1400	450
25.0	450	180	400	145	310	90	180	50	1200	420
28.0	400	160	350	125	280	80	160	45	1100	400
30.0	350	140	310	110	250	75	160	45	1100	400
32.0	350	140	280	100	220	65	140	45	1000	360
36.0	310	120	250	90	200	60	120	35	900	330
40.0	280	120	220	90	180	60	110	35	800	300



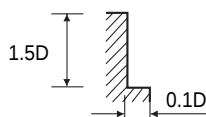
※ 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 TiAlN 涂层 - 侧铣 HSSCo8, MULTI FLUTE TiAlN COATED - SIDE CUTTING

E2412, E2659, E2750, E2421 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2.0	7850	110	6300	75	5600	65	3100	30	16800	335
3.0	4900	155	4500	110	3500	85	2250	40	15400	530
4.0	3900	195	3100	140	2500	90	1550	65	11200	615
5.0	3100	250	2500	175	2250	125	1250	70	8800	660
6.0	2500	250	2250	205	1700	125	1100	85	7850	660
8.0	1950	280	1550	225	1250	145	800	90	5600	810
10.0	1550	280	1250	225	1100	170	650	90	4350	840
12.0	1250	310	1100	250	900	170	550	105	3500	800
14.0	1100	310	1000	225	800	170	500	105	3100	740
16.0	1000	310	800	225	650	145	400	90	2800	740
18.0	900	280	700	225	550	145	350	90	2500	740
20.0	800	280	650	225	550	145	300	90	2250	670
22.0	700	280	650	225	500	145	300	90	1950	630
25.0	650	250	550	205	450	125	250	70	1700	590
28.0	550	225	500	175	400	110	200	65	1550	560
30.0	500	195	450	155	350	105	200	65	1550	560
32.0	500	195	400	140	300	90	200	65	1400	505
36.0	450	170	350	125	300	85	150	50	1250	460
40.0	400	170	300	125	250	85	150	50	1100	420

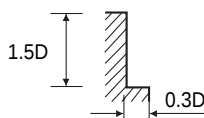


※ 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)


HSSCo8, 多刃 50度螺旋角 - 侧铣
HSSCo8, MULTI FLUTE 50° HELIX - SIDE CUTTING
E2461, E2462, E2463 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢	
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	RPM	FEED	RPM	FEED
2.0	5000	35	4500	25	2500	10
3.0	3500	50	2800	35	1800	20
4.0	2500	60	2000	40	1200	25
5.0	2000	75	1800	55	1000	30
6.0	1800	85	1300	55	900	35
8.0	1200	95	1000	65	600	40
10.0	1000	95	900	70	500	40
12.0	900	110	700	70	450	45
14.0	800	95	600	70	400	45
16.0	600	95	500	65	300	40
18.0	550	95	450	65	280	40
20.0	500	95	450	65	250	40
22.0	500	95	400	65	250	40
25.0	450	85	350	55	200	30
28.0	400	75	300	50	180	25
30.0	350	65	280	45	180	25

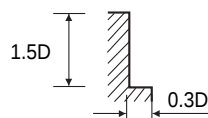


RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 50度螺旋角 TiAlN 涂层 - 侧铣
HSSCo8, MULTI FLUTE 50° HELIX TiAlN COATED - SIDE CUTTING

E2461, E2462, E2463 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢	
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	RPM	FEED	RPM	FEED
2.0	7000	50	6300	35	3500	15
3.0	4900	70	3920	50	2520	30
4.0	3500	85	2800	55	1680	35
5.0	2800	105	2520	75	1400	40
6.0	2520	120	1820	75	1260	50
8.0	1680	135	1400	90	840	55
10.0	1400	135	1260	100	700	55
12.0	1260	155	980	100	630	65
14.0	1120	135	840	100	560	65
16.0	840	135	700	90	420	55
18.0	770	135	630	90	390	55
20.0	700	135	630	90	350	55
22.0	700	135	560	90	350	55
25.0	630	120	490	75	280	40
28.0	560	105	420	70	250	35
30.0	490	90	390	65	250	35



RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

CBN
END MILLS

i-Xmill
END MILLS

X5070
END MILLS

X-POWER
END MILLS

JET-POWER
END MILLS

V7 Mill INOX
END MILLS

V7 Mill STEEL
END MILLS

ALU-POWER
END MILLS

CRX S

D-POWER
END MILLS

K-2 CARBIDE
END MILLS

GENERAL
CARBIDE
END MILLS

TANK-POWER
END MILLS

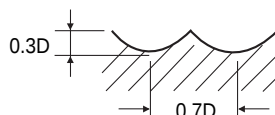
GENERAL
HSS
END MILLS

MILLING
CUTTERS

TECHNICAL
DATA


HSSCo8, 2刃 球头
HSSCo8, 2 FLUTE BALL NOSE
E2480 SERIES

MATERIAL	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R1.5 × 3.0	4500	95	3400	70	2000	30	1400	20	11000	230
R2.0 × 4.0	3200	115	2400	80	1400	35	1000	25	8000	260
R3.0 × 6.0	2200	135	1700	90	1000	45	700	25	5600	280
R4.0 × 8.0	1600	160	1200	105	700	50	500	30	4000	350
R5.0 × 10.0	1300	180	1000	120	560	60	400	35	3200	360
R6.0 × 12.0	1000	170	800	105	450	55	320	35	2500	340
R8.0 × 16.0	800	150	600	100	350	55	250	35	2000	300
R10.0 × 20.0	600	140	500	85	300	50	200	35	1600	280
R12.5 × 25.0	500	130	400	70	220	40	160	30	1300	250

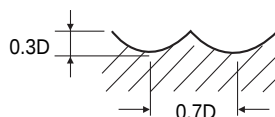


※ 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 2刃 球头 TiAlN 涂层
HSSCo8, 2 FLUTE BALL NOSE TiAlN COATED
E2480 SERIES

MATERIAL	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R1.5 × 3.0	6300	135	4750	100	2800	40	1950	30	15400	320
R2.0 × 4.0	4500	160	3350	110	1950	50	1400	35	11200	365
R3.0 × 6.0	3100	190	2400	125	1400	65	1000	35	7850	390
R4.0 × 8.0	2250	225	1700	145	1000	70	700	40	5600	490
R5.0 × 10.0	1800	250	1400	170	800	85	550	50	4500	505
R6.0 × 12.0	1400	240	1100	145	650	75	450	50	3500	475
R8.0 × 16.0	1100	210	850	140	500	75	350	50	2800	420
R10.0 × 20.0	850	195	700	120	400	70	300	50	2250	390
R12.5 × 25.0	700	180	550	100	300	55	200	40	1800	350



※ 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 球头

HSSCo8, MULTI FLUTE BALL NOSE

CBN
END MILLS

i-Xmill
END MILLS

X5070
END MILLS

X-POWER
END MILLS

JET-POWER
END MILLS

V7 Mill INOX
END MILLS

V7 Mill STEEL
END MILLS

ALU-POWER
END MILLS

CRX S

D-POWER
END MILLS

K-2 CARBIDE
END MILLS

GENERAL
CARBIDE
END MILLS

TANK-POWER
END MILLS

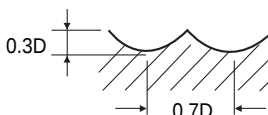
GENERAL
HSS
END MILLS

MILLING
CUTTERS

TECHNICAL
DATA

E2410, E2429 SERIES

MATERIAL	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R3.0 × 6.0	2200	200	1700	135	1000	70	700	40	5600	420
R4.0 × 8.0	1600	240	1200	160	700	75	500	45	4000	530
R5.0 × 10.0	1300	270	1000	180	560	90	400	50	3200	540
R6.0 × 12.0	1000	260	800	160	450	80	320	50	2500	510
R8.0 × 16.0	800	230	600	150	350	80	250	50	2000	450
R10.0 × 20.0	600	210	500	130	300	75	200	50	1600	420
R12.5 × 25.0	500	200	400	105	220	60	160	45	1300	380



* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

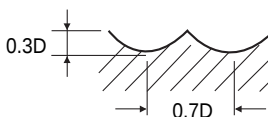
RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 球头 TiAlN 涂层

HSSCo8, MULTI FLUTE BALL NOSE TiAlN COATED

E2410, E2429 SERIES

MATERIAL	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R3.0 × 6.0	3100	280	2400	190	1400	100	1000	55	7850	590
R4.0 × 8.0	2250	335	1700	225	1000	105	700	65	5600	740
R5.0 × 10.0	1800	380	1400	250	800	125	550	70	4500	755
R6.0 × 12.0	1400	365	1100	225	650	110	450	70	3500	715
R8.0 × 16.0	1100	320	850	210	500	110	350	70	2800	630
R10.0 × 20.0	850	295	700	180	400	105	300	70	2250	590
R12.5 × 25.0	700	280	550	145	300	85	200	65	1800	530

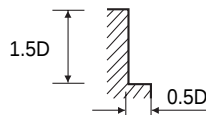


* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)


HSSCo8, 多刃 粗加工 - 侧铣
HSSCo8, MULTI FLUTE ROUGHING - SIDE CUTTING
E2751, E2752, E2755, E2756, E2764, E2765, E2753, E2759, E2760, E2762 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
6.0	1800	80	1600	60	1200	55	800	30	4500	200
8.0	1400	105	1100	75	900	65	560	35	3100	230
10.0	1100	150	900	120	800	110	450	60	2500	350
12.0	900	180	800	140	630	110	400	70	2000	400
14.0	800	180	700	140	560	110	350	70	1800	420
16.0	700	180	560	140	450	110	280	70	1600	450
18.0	630	180	500	140	400	110	250	70	1400	470
20.0	560	180	450	140	400	110	220	70	1200	500
22.0	500	220	450	170	350	140	220	85	1100	470
25.0	450	220	400	170	310	140	180	85	1000	450
28.0	400	210	350	160	280	130	160	85	900	510
30.0	350	210	310	160	250	130	160	85	900	530
32.0	350	210	280	160	220	130	140	85	800	500
36.0	310	210	250	160	200	130	120	85	700	470
40.0	280	200	220	150	180	120	110	80	630	450
50.0	220	200	180	170	160	140	90	80	500	370



* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 粗加工 TiAlN 涂层 - 侧铣

HSSCo8, MULTI FLUTE ROUGHING TiAlN COATED - SIDE CUTTING

CBN
END MILLS

i-Xmill
END MILLS

X5070
END MILLS

X-POWER
END MILLS

JET-POWER
END MILLS

V7 Mill INOX
END MILLS

V7 Mill STEEL
END MILLS

ALU-POWER
END MILLS

CRX S

D-POWER
END MILLS

K-2 CARBIDE
END MILLS

GENERAL
CARBIDE
END MILLS

TANK-POWER
END MILLS

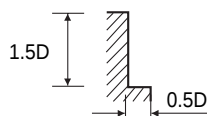
GENERAL
HSS
END MILLS

MILLING
CUTTERS

TECHNICAL
DATA

E2751, E2752, E2755, E2756, E2764, E2765, E2753, E2759, E2760, E2762 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
6.0	2500	110	2250	85	1700	75	1100	40	6300	280
8.0	1950	145	1550	105	1250	90	800	50	4350	320
10.0	1550	210	1250	170	1100	155	650	85	3500	490
12.0	1250	250	1100	195	900	155	550	100	2800	560
14.0	1100	250	1000	195	800	155	500	100	2500	590
16.0	1000	250	800	195	650	155	400	100	2250	630
18.0	900	250	700	195	550	155	350	100	1950	660
20.0	800	250	650	195	550	155	300	100	1700	700
22.0	700	310	650	240	500	195	300	120	1550	660
25.0	650	310	550	240	450	195	250	120	1400	630
28.0	550	295	500	225	400	180	220	120	1250	715
30.0	500	295	450	225	350	180	220	120	1250	740
32.0	500	295	400	225	300	180	200	120	1100	700
36.0	450	295	350	225	300	180	170	120	1000	660
40.0	400	280	300	210	250	170	130	110	900	630
50.0	300	280	250	240	220	195	120	110	700	520

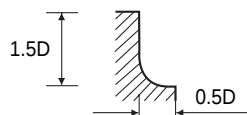


* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)


HSSCo8, 多刃 粗加工 螺纹球头 - 侧铣
HSSCo8, MULTI FLUTE ROUGHING BALL NOSE - SIDE CUTTING
E2806 SERIES

MATERIAL	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R4.0 × 8.0	1400	105	1100	75	900	65	560	35	3100	230
R5.0 × 10.0	1100	150	900	120	800	110	450	60	2500	250
R6.0 × 12.0	900	180	800	140	630	110	400	70	2000	400
R8.0 × 16.0	700	180	560	140	450	110	280	70	1600	450
R10.0 × 20.0	560	180	450	140	400	110	220	70	1200	500
R12.5 × 25.0	450	220	400	170	310	140	180	85	1000	450
R16.0 × 32.0	350	210	280	160	220	130	140	85	800	500
R20.0 × 40.0	280	200	220	150	180	120	110	80	630	450



* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 螺纹球头 TiAlN 涂层 - 侧铣
HSSCo8, MULTI FLUTE ROUGHING BALL NOSE TiAlN COATED - SIDE CUTTING
E2806 SERIES

MATERIAL	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R4.0 × 8.0	1960	150	1540	105	1260	90	790	50	4340	320
R5.0 × 10.0	1540	210	1260	170	1120	155	630	85	3500	350
R6.0 × 12.0	1260	250	1120	195	880	155	560	100	2800	560
R8.0 × 16.0	980	250	790	195	630	155	390	100	2240	630
R10.0 × 20.0	790	250	630	195	560	155	310	100	1680	700
R12.5 × 25.0	630	310	560	240	440	195	250	120	1400	630
R16.0 × 32.0	490	295	390	225	310	180	200	120	1120	700
R20.0 × 40.0	390	280	310	210	250	170	160	110	880	630



* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

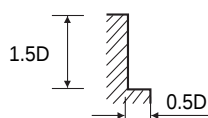
RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 粗加工和精加工 - 侧铣

HSSCo8, MULTI FLUTE ROUGHING & FINISHING - SIDE CUTTING

E2754, E2768, E2766 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRC20 ~ HRC30		HRC30 ~ HRC40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
6.0	1800	65	1600	50	1200	45	800	25	4500	160
8.0	1400	85	1100	60	900	50	560	30	3100	185
10.0	1100	120	900	95	800	90	450	50	2500	280
12.0	900	145	800	110	630	90	400	55	2000	320
14.0	800	145	700	110	560	90	350	55	1800	340
16.0	700	145	560	110	450	90	280	55	1600	360
18.0	630	145	500	110	400	90	250	55	1400	380
20.0	560	145	450	110	400	90	220	55	1200	400
22.0	500	175	450	135	350	110	220	70	1100	380
25.0	450	175	400	135	310	110	180	70	1000	360
28.0	400	170	350	130	280	105	160	70	900	410
30.0	350	170	310	130	250	105	160	70	900	420
32.0	350	170	280	130	220	105	140	70	800	400
36.0	310	170	250	130	200	105	120	70	700	380
40.0	280	160	220	120	180	95	110	65	630	360



* 对于长型和超长型进给量应该减少约50%。
The FEED, in long & extra long types, should be reduced by around 50%.

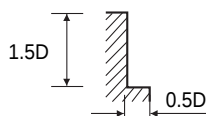
RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

HSSCo8, 多刃 粗加工和精加工 TiAlN 涂层 - 侧铣

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

E2754, E2768, E2766 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		铝, 铝合金	
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		ALUMINUM ALUMINUM ALLOYS	
HARDNESS			~ HRC20		HRc20 ~ HRc30		HRc30 ~ HRc40			
STRENGTH	~ 500N/mm ²		500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²			
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
6.0	2500	90	2250	70	1700	65	1100	35	6300	225
8.0	1950	120	1550	85	1250	70	800	40	4350	260
10.0	1550	170	1250	135	1100	125	650	70	3500	390
12.0	1250	205	1100	155	900	125	550	75	2800	450
14.0	1100	205	1000	155	800	125	500	75	2500	475
16.0	1000	205	800	155	650	125	400	75	2250	505
18.0	900	205	700	155	550	125	350	75	1950	530
20.0	800	205	650	155	550	125	300	75	1700	560
22.0	700	245	650	190	500	155	300	100	1550	530
25.0	650	245	550	190	450	155	250	100	1400	505
28.0	550	240	500	180	400	145	200	100	1250	575
30.0	500	240	450	180	350	145	200	100	1250	590
32.0	500	240	400	180	300	145	170	100	1100	560
36.0	450	240	350	180	280	145	150	100	1000	530
40.0	400	225	300	170	250	135	150	90	900	505



* 对于长型和超长型进给量应该减少约50%.

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

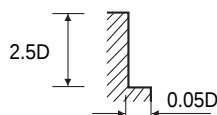
RPM = rev./min. (转速/分钟)

FEED = mm/min. (进给量)

HSSCo8, 锥度 - 侧铣 HSSCo8, TAPER - SIDE CUTTING

E2682, E2683 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢	
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	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED
2.0	3800	50	3500	38	2800	22
3.0	2800	50	2400	38	1900	22
4.0	2000	50	1750	38	1400	22
5.0	1700	55	1400	42	1100	27
6.0	1300	55	1150	46	940	27
8.0	1000	55	880	46	700	27
10.0	780	55	700	46	560	27
12.0	600	55	580	46	530	27

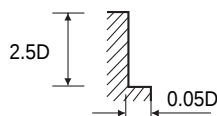


RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)

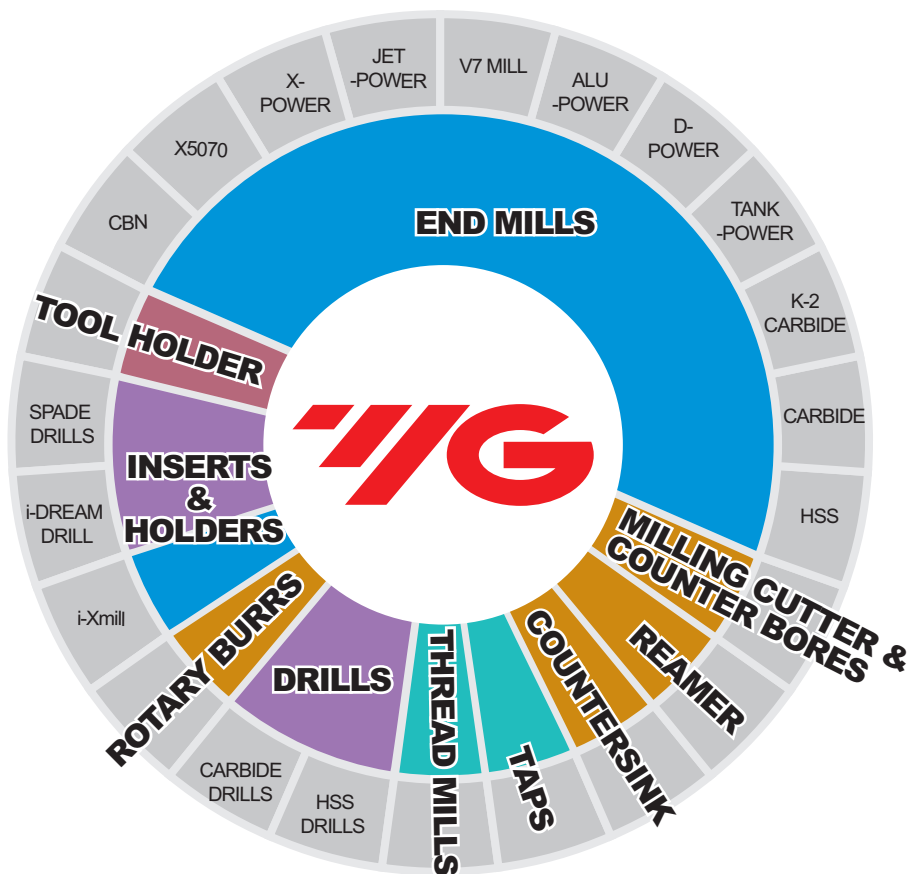
HSSCo8, 锥度 TiAlN 涂层 - 侧铣 HSSCo8, TAPER TiAlN COATED - SIDE CUTTING

E2682, E2683 SERIES

材质	碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢		碳钢, 合金钢, 工具钢	
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	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED
2.0	5300	70	4900	53	3900	30
3.0	3900	70	3360	53	2650	30
4.0	2800	70	2450	53	1950	30
5.0	2380	77	1960	58	1540	37
6.0	1800	77	1600	64	1300	37
8.0	1400	77	1200	64	980	37
10.0	1100	77	980	64	780	37
12.0	840	77	810	64	740	37



RPM = rev./min. (转速/分钟)
FEED = mm/min. (进给量)



Challenge Toward a Global Leader-

YG-1 Leads the World Market.