

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



HSS Co8
DIN 1889
N
4&6
30°
R ±0.02
DIN 1835B
P.1246, 1247

Unit : mm

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

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

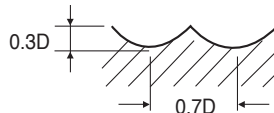
◎ : Excellent ○ : Good

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


**HSSCo8, MULTI FLUTE BALL NOSE
HSSCo8, MULTI SCHNEIDEN STIRNRADIUS**
E2410, E2429, E2512 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
	~ 500N/mm ²				~ HRC20				HRC20 ~ HRC30			
STRENGTH	~ 500N/mm ²				500 ~ 800N/mm ²				800 ~ 1000N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
R3.0 × 6.0	2200	200	40	0.030	1700	135	30	0.026	1000	70	20	0.023
R4.0 × 8.0	1600	240	40	0.050	1200	160	30	0.044	700	75	20	0.036
R5.0 × 10.0	1300	270	40	0.069	1000	180	30	0.060	560	90	20	0.054
R6.0 × 12.0	1000	260	40	0.087	800	160	30	0.067	450	80	15	0.059
R8.0 × 16.0	800	230	40	0.096	600	150	30	0.083	350	80	20	0.076
R10.0 × 20.0	600	210	40	0.117	500	130	30	0.087	300	75	20	0.083
R12.5 × 25.0	500	200	40	0.133	400	105	30	0.088	220	60	15	0.091

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				ALUMINUM ALUMINUM ALLOYS			
	HRC30 ~ HRC40							
STRENGTH	1000 ~ 1300N/mm ²							
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
R3.0 × 6.0	700	40	15	0.019	5600	420	105	0.025
R4.0 × 8.0	500	45	15	0.030	4000	530	100	0.044
R5.0 × 10.0	400	50	15	0.042	3200	540	100	0.056
R6.0 × 12.0	320	50	15	0.052	2500	510	95	0.068
R8.0 × 16.0	250	50	15	0.067	2000	450	100	0.075
R10.0 × 20.0	200	50	15	0.083	1600	420	100	0.088
R12.5 × 25.0	160	45	15	0.094	1300	380	100	0.097



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

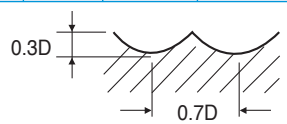
RPM = rev./min.
FEED = mm/min.
Vc = m/min.
fz = mm/t

HSSCo8, MULTI FLUTE BALL NOSE TiAIN COATED
HSSCo8, MULTI SCHNEIDEN STIRNRADIUS TiAIN-BESCHICHTET

E2410, E2429, E2512 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS			
HARDNESS					~ HRC20				HRC20 ~ HRC30			
STRENGTH	~ 500N/mm ²				500 ~ 800N/mm ²				800 ~ 1000N/mm ²			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
R3.0 × 6.0	3100	280	58	0.030	2400	190	45	0.026	1400	100	26	0.024
R4.0 × 8.0	2250	335	57	0.050	1700	225	43	0.044	1000	105	25	0.035
R5.0 × 10.0	1800	380	57	0.070	1400	250	44	0.060	800	125	25	0.052
R6.0 × 12.0	1400	365	53	0.087	1100	225	41	0.068	650	110	25	0.056
R8.0 × 16.0	1100	320	55	0.097	850	210	43	0.082	500	110	25	0.073
R10.0 × 20.0	850	295	53	0.116	700	180	44	0.086	400	105	25	0.088
R12.5 × 25.0	700	280	55	0.133	550	145	43	0.088	300	85	24	0.094

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS				ALUMINUM ALUMINUM ALLOYS			
HARDNESS	HRC30 ~ HRC40							
STRENGTH	1000 ~ 1300N/mm ²							
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
R3.0 × 6.0	1000	55	19	0.018	7850	590	148	0.025
R4.0 × 8.0	700	65	18	0.031	5600	740	141	0.044
R5.0 × 10.0	550	70	17	0.042	4500	755	141	0.056
R6.0 × 12.0	450	70	17	0.052	3500	715	132	0.068
R8.0 × 16.0	350	70	18	0.067	2800	630	141	0.075
R10.0 × 20.0	300	70	19	0.078	2250	590	141	0.087
R12.5 × 25.0	200	65	16	0.108	1800	530	141	0.098



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

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

- CARBIDE
- HSS
- CBN END MILLS
- i-Xmill END MILLS
- i-HS mill END MILLS
- X5070 END MILLS
- 4G MILL END MILLS
- X-SPEED ROUGHER END MILLS
- X-POWER END MILLS
- JET-POWER END MILLS
- TN MILL END MILLS
- V7 Mill END MILLS
- ALU-POWER END MILLS
- CRX S END MILLS
- D-POWER GRAPHITE END MILLS
- D-POWER CFRP END MILLS
- ROUTERS
- K-2 CARBIDE END MILLS
- GENERAL CARBIDE END MILLS
- TANK-POWER END MILLS
- GENERAL HSS END MILLS
- MILLING CUTTERS
- TECHNICAL DATA