

CARBIDE, 2 FLUTE EXTRA LONG LENGTH BALL NOSE

► Suitable for cutting hardened & high alloy steels, steel casting, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a high percentage of silicon and abrasive plastics.



- CBN END MILL
- i-Xmill END MILL
- X5070 END MILLS
- 4G MILLS END MILLS
- X-SPEED ROUGHER END MILLS
- X-POWER END MILLS
- JET-POWER END MILLS
- V7 Mill STEEL END MILLS
- V7 Mill INOX END MILLS
- ALU-POWER END MILLS
- D-POWER END MILLS
- STANDARD CARBIDE END MILLS
- TANK-POWER END MILLS
- STANDARD COBALT & HSS END MILLS
- TECHNICAL DATA

MG
2
30°
R
±.0008
PLAIN
P.789

Unit : Inch

EDP No.					Radius of Ball Nose	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TIN COATED	TiCN COATED	YG:TYLON F	YG:TYLON E	R (±.0008)				
52558	52558TN	52558TC	52558TF	52558TE	R1/16	1/8	1/8	1	3
52565	52565TN	52565TC	52565TF	52565TE	R3/32	3/16	3/16	1-1/8	3
52904	52904TN	52904TC	52904TF	52904TE	R3/32	3/16	3/16	1	4
52573	52573TN	52573TC	52573TF	52573TE	R1/8	1/4	1/4	1-1/2	4
52901	52901TN	52901TC	52901TF	52901TE	R1/8	1/4	1/4	1-1/2	6
52579	52579TN	52579TC	52579TF	52579TE	R5/32	5/16	5/16	1-5/8	4
52584	52584TN	52584TC	52584TF	52584TE	R3/16	3/8	3/8	1-3/4	4
52902	52902TN	52902TC	52902TF	52902TE	R3/16	3/8	3/8	1-1/2	6
52588	52588TN	52588TC	52588TF	52588TE	R7/32	7/16	7/16	3	6
52903	52903TN	52903TC	52903TF	52903TE	R1/4	1/2	1/2	1-1/2	6
52593	52593TN	52593TC	52593TF	52593TE	R1/4	1/2	1/2	3	6
52595	52595TN	52595TC	52595TF	52595TE	R5/16	5/8	5/8	3	6
52598	52598TN	52598TC	52598TF	52598TE	R3/8	3/4	3/4	3	6
52600	52600TN	52600TC	52600TF	52600TE	R1/2	1	1	3	6

Mill Dia. Tolerance (inch)	Shank Dia. Tolerance
0~--.0012	0~--.0005

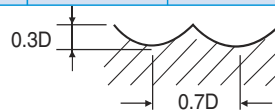
◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HRc20	HRc20~30	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
◎	◎	◎	○			○		○	○			

CARBIDE, 2 FLUTE BALL NOSE

E5249, E5014, E5018, E5251 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS		CARBON STEELS ALLOY STEELS TOOL STEELS		CAST IRON		ALUMINUM ALLOYS	
HARDNESS	~ HRC30		HRC30 ~ HRC40					
STRENGTH	~ 1000N/mm ²		1000 ~ 1300N/mm ²					
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
3/32	5200	3.5	4400	1.8	7300	5.9	21500	11.0
1/8	3500	3.9	2900	1.8	4900	6.3	14300	11.0
5/32	2600	3.9	2100	1.8	3600	7.9	10900	11.0
3/16	2100	4.1	1700	1.8	2900	9.1	8800	13.0
1/4	1700	3.9	1430	1.8	2400	9.9	7260	13.0
5/16	1270	3.7	1100	1.8	1800	12.6	5500	15.0
3/8	1000	3.7	870	1.8	1430	12.6	4300	15.0
1/2	870	3.4	730	1.8	1200	12.6	3600	17.3
9/16	750	3.4	620	1.8	1000	12.8	3000	17.3
5/8	650	3.4	540	1.8	920	12.8	2700	15.0
11/16	580	3.4	480	1.8	810	12.8	2400	15.0
13/16	500	3.4	430	1.8	730	11.4	2100	15.0



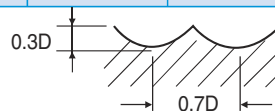
※ The Feed, in long & extra long types, should be reduced by around 50%.

RPM = rev./min. FEED = inch/min.

CARBIDE, 2 FLUTE BALL NOSE TiAIN "F" COATED

EH249, EH014, EF018, EF251 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS		CARBON STEELS ALLOY STEELS TOOL STEELS		CAST IRON		ALUMINUM ALLOYS	
HARDNESS	~ HRC30		HRC30 ~ HRC40					
STRENGTH	~ 1000N/mm ²		1000 ~ 1300N/mm ²					
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
3/32	8110	5.7	6840	2.8	11400	9.4	33600	17.0
1/8	5400	6.1	4560	2.8	7680	9.9	22320	17.0
5/32	4080	6.1	3240	2.8	5640	12.3	16800	17.0
3/16	3240	6.4	2640	2.8	4560	14.2	13200	20.3
1/4	2640	6.1	2270	2.8	3720	15.6	11280	20.3
5/16	1920	5.7	1680	2.8	2760	19.9	8640	23.2
3/8	1560	5.7	1320	2.8	1680	19.9	6720	23.2
1/2	1320	5.2	1140	2.8	1920	19.9	5640	26.9
9/16	1180	5.2	960	2.8	1560	19.9	4680	26.9
5/8	1020	5.2	840	2.8	1440	19.9	4200	23.2
11/16	900	5.2	740	2.8	1200	19.9	3720	23.2
13/16	780	5.2	670	2.8	1140	18.0	3240	23.2



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

RPM = rev./min. FEED = inch/min.

CBN
END MILL

i-Xmill
END MILL

X5070
END MILLS

4G MILLS
END MILLS

X-SPEED
ROUGHER
END MILLS

X-POWER
END MILLS

JET-POWER
END MILLS

V7 Mill STEEL
END MILLS

V7 Mill INOX
END MILLS

ALU-POWER
END MILLS

D-POWER
END MILLS

STANDARD
CARBIDE
END MILLS

TANK-POWER
END MILLS

STANDARD
COBALT
& HSS
END MILLS

TECHNICAL
DATA