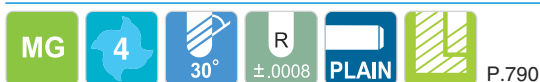


CARBIDE, 4 FLUTE EXTRA LONG LENGTH BALL NOSE

► 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.



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)				
53558	53558TN	53558TC	53558TF	53558TE	R1/16	1/8	1/8	1	3
53565	53565TN	53565TC	53565TF	53565TE	R3/32	3/16	3/16	1-1/8	3
53573	53573TN	53573TC	53573TF	53573TE	R1/8	1/4	1/4	1-1/2	4
53901	53901TN	53901TC	53901TF	53901TE	R1/8	1/4	1/4	1-1/2	6
53579	53579TN	53579TC	53579TF	53579TE	R5/32	5/16	5/16	1-5/8	4
53584	53584TN	53584TC	53584TF	53584TE	R3/16	3/8	3/8	1-3/4	4
53902	53902TN	53902TC	53902TF	53902TE	R3/16	3/8	3/8	1-1/2	6
53588	53588TN	53588TC	53588TF	53588TE	R7/32	7/16	7/16	3	6
53903	53903TN	53903TC	53903TF	53903TE	R1/4	1/2	1/2	1-1/2	6
53593	53593TN	53593TC	53593TF	53593TE	R1/4	1/2	1/2	3	6
53595	53595TN	53595TC	53595TF	53595TE	R5/16	5/8	5/8	3	6
53904	53904TN	53904TC	53904TF	53904TE	R5/16	5/8	5/8	1-1/2	6
53598	53598TN	53598TC	53598TF	53598TE	R3/8	3/4	3/4	3	6
53905	53905TN	53905TC	53905TF	53905TE	R3/8	3/4	3/4	1-1/2	6
53600	53600TN	53600TC	53600TF	53600TE	R1/2	1	1	3	6
53906	53906TN	53906TC	53906TF	53906TE	R1/2	1	1	1-1/2	6

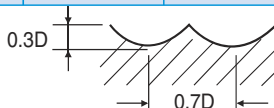
Mill Dia. Tolerance (inch)	Shank Dia. Tolerance
0~-.0012	0~-.0005

◎ : 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, 4 FLUTE BALL NOSE
E5250, E5060, E5062, E5252 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	5.5	4400	2.8	7300	9.1	21500	16.5
1/8	3500	5.9	2900	2.8	4900	9.5	14300	16.5
5/32	2600	5.9	2100	2.8	3600	11.8	10900	16.5
3/16	2100	6.3	1700	2.8	2900	13.8	8800	19.7
1/4	1700	5.9	1430	2.8	2400	15.0	7260	19.7
5/16	1270	5.5	1100	2.8	1800	18.9	5500	22.4
3/8	1000	5.5	870	2.8	1430	18.9	4300	22.4
1/2	870	5.1	730	2.8	1200	18.9	3600	26.0
9/16	750	5.1	620	2.8	1000	19.3	3000	26.0
5/8	650	5.1	540	2.8	920	19.3	2700	22.4
11/16	580	5.1	480	2.8	810	19.3	2400	22.4
13/16	500	5.1	430	2.8	730	17.3	2100	22.4

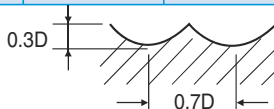


※ The Feed, in long & extra long types, should be reduced by around 50%.

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

CARBIDE, 4 FLUTE BALL NOSE TiAIN “F” COATED
EH250, EH060, EH062, EH252 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	8.5	6840	4.3	11400	14.2	33600	26.0
1/8	5400	9.4	4560	4.3	7680	14.6	22320	26.0
5/32	4080	9.4	3240	4.3	5640	18.4	16800	26.0
3/16	3240	9.9	2640	4.3	4560	21.3	13200	30.7
1/4	2640	9.4	2270	4.3	3720	23.2	11280	30.7
5/16	1920	8.5	1680	4.3	2760	29.3	8640	35.0
3/8	1560	8.5	1320	4.3	2270	29.3	6720	35.0
1/2	1320	8.0	1140	4.3	1920	29.3	5640	40.6
9/16	1180	8.0	960	4.3	1560	30.2	4680	40.6
5/8	1020	8.0	840	4.3	1440	30.2	4200	35.0
11/16	900	8.0	740	4.3	1200	30.2	3720	35.0
13/16	780	8.0	670	4.3	1140	26.9	3240	35.0



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

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