

TITAN-AX™

REINFORCED SHANK

Also Available in Square End Styles [Page 80-81](#)

0.0312" - 0.2500" DIAMETER
1.00mm - 8.00mm DIAMETER

Variable Helix

AX High Performance Coating

Increased Shank Diameter for Maximum Rigidity

Sub Micron Grain Carbide



Symbol Descriptions [Page 7](#)

STANDARD Length

TITAN-AX (Inch Sizes)

Dimensions (in)					AX Coating	
D ^{+0.000 -0.001}	d	ℓ	L	r	Part Number	Stock
0.0312 (1/32)	1/4	0.094	2 1/2	0.006	T0312O094CR	●
0.0469 (3/64)	1/4	0.141	2 1/2	0.010	T0469O141CR	●
0.0625 (1/16)	1/4	0.188	2 1/2	0.010	T0625O188CR	●
0.0781 (5/64)	1/4	0.234	2 1/2	0.010	T0781O234CR	●
0.0938 (3/32)	1/4	0.375	2 1/2	0.010	T0938O375CR	●
0.1094 (7/64)	1/4	0.438	2 1/2	0.010	T1094O438CR	●
0.1250 (1/8)	1/4	0.500	2 1/2	0.015	T1250O500CR	●
0.1562 (5/32)	1/4	0.563	2 1/2	0.015	T1562O563CR	●
0.1875 (3/16)	1/4	0.625	2 1/2	0.015	T1875O625CR	●
0.2188 (7/32)	1/4	0.625	2 1/2	0.015	T2188O625CR	●
0.2500 (1/4)	1/4	0.750	2 1/2	0.015	T2500O750CR	●

TITAN-AXM (Metric Sizes)

Dimensions (mm)					AX Coating	
D ^{+0.00mm -0.02mm}	d ^{h6}	ℓ	L	r	Part Number	Stock
1.00	6	3.0	63.5	0.10	T0394O118CR1	●
1.00	6	3.0	63.5	0.20	T0394O118CR2	●
1.00	6	3.0	63.5	0.30	T0394O118CR3	●
1.50	6	4.5	63.5	0.10	T0591O177CR1	●
1.50	6	4.5	63.5	0.20	T0591O177CR2	●
1.50	6	4.5	63.5	0.30	T0591O177CR3	●
1.50	6	4.5	63.5	0.50	T0591O177CR4	●
2.00	6	6.0	63.5	0.20	T0787O236CR1	●
2.00	6	6.0	63.5	0.30	T0787O236CR2	●
2.00	6	6.0	63.5	0.50	T0787O236CR3	●
2.50	6	7.5	63.5	0.20	T0984O295CR1	●
2.50	6	7.5	63.5	0.30	T0984O295CR2	●
2.50	6	7.5	63.5	0.50	T0984O295CR3	●
3.00	6	9.0	63.5	0.20	T1181O354CR1	●
3.00	6	9.0	63.5	0.30	T1181O354CR2	●
3.00	6	9.0	63.5	0.50	T1181O354CR3	●
3.00	6	9.0	63.5	1.00	T1181O354CR4	●
4.00	6	12.0	63.5	0.20	T1575O472CR1	●
4.00	6	12.0	63.5	0.30	T1575O472CR2	●
4.00	6	12.0	63.5	0.50	T1575O472CR3	●
4.00	6	12.0	63.5	1.00	T1575O472CR4	●
5.00	6	15.0	63.5	0.20	T1969O591CR1	●
5.00	6	15.0	63.5	0.30	T1969O591CR2	●
5.00	6	15.0	63.5	0.50	T1969O591CR3	●
5.00	6	15.0	63.5	1.00	T1969O591CR4	●
5.00	6	15.0	63.5	1.50	T1969O591CR5	●
6.00	6	18.0	63.5	0.20	T2362O709CR1	●
6.00	6	18.0	63.5	0.30	T2362O709CR2	●
6.00	6	18.0	63.5	0.50	T2362O709CR3	●
6.00	6	18.0	63.5	1.00	T2362O709CR4	●
6.00	6	18.0	63.5	1.50	T2362O709CR5	●
6.00	6	18.0	63.5	2.00	T2362O709CR6	●
8.00	8	24.0	63.5	0.20	T3150O945CR1	●
8.00	8	24.0	63.5	0.30	T3150O945CR2	●
8.00	8	24.0	63.5	0.50	T3150O945CR3	●
8.00	8	24.0	63.5	1.00	T3150O945CR4	●
8.00	8	24.0	63.5	1.50	T3150O945CR5	●
8.00	8	24.0	63.5	2.00	T3150O945CR6	●

Corner Radius Tolerance

Diameter (D)	0.0312" - 0.2500"	1.00mm - 8.00mm
+ / -	0.0020"	0.05mm

TITAN-AX / TITAN-AXM WORKPIECE MATERIAL

Coating	P	P	H	H	M	K	N	N	N	N	N	N	S	S	
	Steel ~30HRC	Steel 30-40HRC	Hardened Steel ~55HRC	Hardened Steel ~68HRC	Stainless Steel	Cast Iron	Aluminum	Graphite	Copper Alloy	CFRP	Plastic	Thermoset Plastic	High Density Plastic	Nickel / Cobalt	Titanium Alloy
AX	☆	☆	★	★	☆	☆								★	★

★ : Priority ☆ : Applicable Materials

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