

## TITAN-AX™

REINFORCED SHANK

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

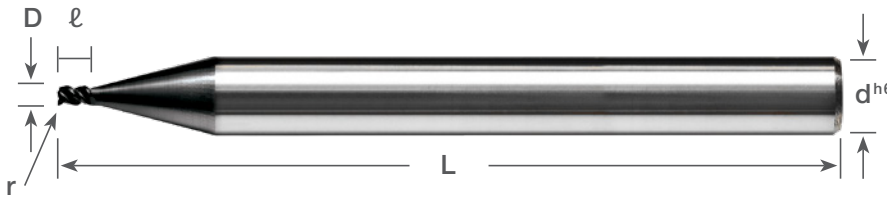
0.0312" - 0.2500" DIAMETER  
1.00mm - 8.00mm DIAMETER

Variable Helix

AX High Performance Coating

Increased Shank Diameter for Maximum Rigidity

Sub Micron Grain Carbide



Symbol Descriptions [Page 7](#)

### STUB Length

TITAN-AX (Inch Sizes)

Dimensions (in)					AX Coating	
D <sup>+0.000 -0.001</sup>	d	ℓ	L	r	Part Number	Stock
0.0312 (1/32)	1/4	0.063	2 1/2	0.006	T0312O063CR	●
0.0469 (3/64)	1/4	0.094	2 1/2	0.010	T0469O094CR	●
0.0625 (1/16)	1/4	0.140	2 1/2	0.010	T0625O140CR	●
0.0781 (5/64)	1/4	0.140	2 1/2	0.010	T0781O140CR	●
0.0938 (3/32)	1/4	0.188	2 1/2	0.010	T0938O188CR	●
0.1094 (7/64)	1/4	0.188	2 1/2	0.010	T1094O188CR	●
0.1250 (1/8)	1/4	0.250	2 1/2	0.015	T1250O250CR	●
0.1562 (5/32)	1/4	0.375	2 1/2	0.015	T1562O375CR	●
0.1875 (3/16)	1/4	0.375	2 1/2	0.015	T1875O375CR	●
0.2188 (7/32)	1/4	0.375	2 1/2	0.015	T2188O375CR	●
0.2500 (1/4)	1/4	0.500	2 1/2	0.015	T2500O500CR	●

#### Corner Radius Tolerance

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

TITAN-AXM (Metric Sizes)

Dimensions (mm)					AX Coating	
D <sup>+0.00mm -0.02mm</sup>	d <sup>h6</sup>	ℓ	L	r	Part Number	Stock
1.00	6	1.5	63.5	0.10	T0394O059CR1	●
1.00	6	1.5	63.5	0.20	T0394O059CR2	●
1.00	6	1.5	63.5	0.30	T0394O059CR3	●
1.50	6	2.5	63.5	0.10	T0591O098CR1	●
1.50	6	2.5	63.5	0.20	T0591O098CR2	●
1.50	6	2.5	63.5	0.30	T0591O098CR3	●
1.50	6	2.5	63.5	0.50	T0591O098CR4	●
2.00	6	3.0	63.5	0.20	T0787O118CR1	●
2.00	6	3.0	63.5	0.30	T0787O118CR2	●
2.00	6	3.0	63.5	0.50	T0787O118CR3	●
2.50	6	4.0	63.5	0.20	T0984O157CR1	●
2.50	6	4.0	63.5	0.30	T0984O157CR2	●
2.50	6	4.0	63.5	0.50	T0984O157CR3	●
3.00	6	5.0	63.5	0.20	T1181O197CR1	●
3.00	6	5.0	63.5	0.30	T1181O197CR2	●
3.00	6	5.0	63.5	0.50	T1181O197CR3	●
3.00	6	5.0	63.5	1.00	T1181O197CR4	●
4.00	6	6.0	63.5	0.20	T1575O236CR1	●
4.00	6	6.0	63.5	0.30	T1575O236CR2	●
4.00	6	6.0	63.5	0.50	T1575O236CR3	●
4.00	6	6.0	63.5	1.00	T1575O236CR4	●
5.00	6	8.0	63.5	0.20	T1969O315CR1	●
5.00	6	8.0	63.5	0.30	T1969O315CR2	●
5.00	6	8.0	63.5	0.50	T1969O315CR3	●
5.00	6	8.0	63.5	1.00	T1969O315CR4	●
5.00	6	8.0	63.5	1.50	T1969O315CR5	●
6.00	6	9.0	63.5	0.20	T2362O354CR1	●
6.00	6	9.0	63.5	0.30	T2362O354CR2	●
6.00	6	9.0	63.5	0.50	T2362O354CR3	●
6.00	6	9.0	63.5	1.00	T2362O354CR4	●
6.00	6	9.0	63.5	1.50	T2362O354CR5	●
6.00	6	9.0	63.5	2.00	T2362O354CR6	●
8.00	8	12.0	63.5	0.20	T3150O472CR1	●
8.00	8	12.0	63.5	0.30	T3150O472CR2	●
8.00	8	12.0	63.5	0.50	T3150O472CR3	●
8.00	8	12.0	63.5	1.00	T3150O472CR4	●
8.00	8	12.0	63.5	1.50	T3150O472CR5	●
8.00	8	12.0	63.5	2.00	T3150O472CR6	●

### TITAN-AX / TITAN-AXM WORKPIECE MATERIAL

Coating	P	P	H	H	M	K	N	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

Symbol Descriptions [Page 7](#)

- : U.S. Stock Standard
- : NOT STOCKED - Call for Delivery
- ▲ : Coming Soon

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(International) 001.714.428.3636  
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