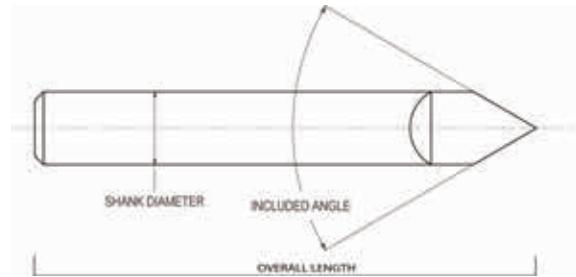
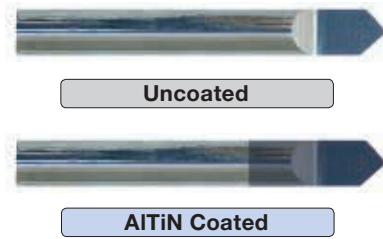


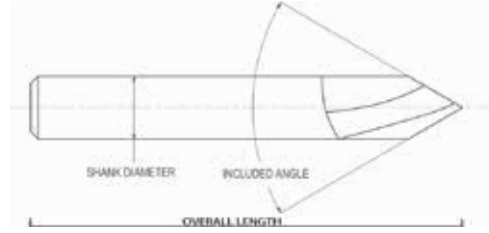
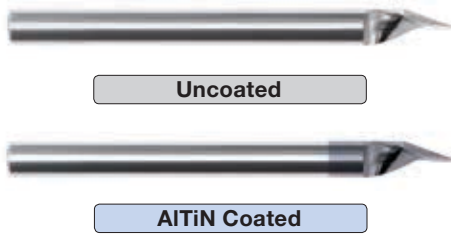
Standard Point



Carbide Standard Point Engraving Tools

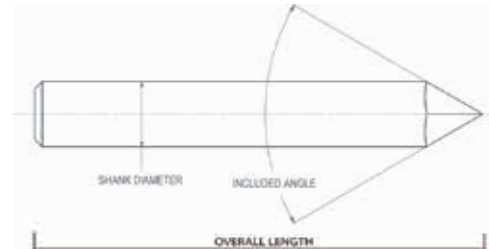
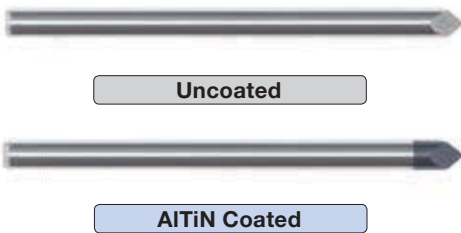
Included Angle	Tip ϕ	OAL	Shank ϕ	Uncoated Part #	AITiN Coated Part #
30°	.015	2	1/8	RET621095	RET621095A
	.015	2-1/2	3/16	RET621117	RET621117A
	.015	2-1/2	1/4	RET621137	RET621137A
	.015	2-1/2	5/16	RET621157	RET621157A
	.015	2-1/2	3/8	RET621170	RET621170A
	.015	3	1/2	RET621182	RET621182A
40°	.015	2	1/8	RET621100	RET621100A
	.015	2-1/2	3/16	RET621120	RET621120A
	.015	2-1/2	1/4	RET621140	RET621140A
	.015	2-1/2	5/16	RET621160	RET621160A
	.015	2-1/2	3/8	RET621172	RET621172A
	.015	3	1/2	RET621185	RET621185A
60°	.015	2	1/8	RET621105	RET621105A
	.015	2-1/2	3/16	RET621125	RET621125A
	.015	2-1/2	1/4	RET621145	RET621145A
	.015	2-1/2	5/16	RET621162	RET621162A
	.015	2-1/2	3/8	RET621175	RET621175A
	.015	3	1/2	RET621187	RET621187A
90°	.015	2	1/8	RET621110	RET621110A
	.015	2-1/2	3/16	RET621130	RET621130A
	.015	2-1/2	1/4	RET621150	RET621150A
	.015	2-1/2	5/16	RET621165	RET621165A
	.015	2-1/2	3/8	RET621177	RET621177A
	.015	3	1/2	RET621190	RET621190A
120°	.015	2	1/8	RET621115	RET621115A
	.015	2-1/2	3/16	RET621135	RET621135A
	.015	2-1/2	1/4	RET621155	RET621155A
	.015	2-1/2	5/16	RET621167	RET621167A
	.015	2-1/2	3/8	RET621180	RET621180A
	.015	3	1/2	RET621192	RET621192A

Engraving Tools



Spiral Flute Engraving Tools

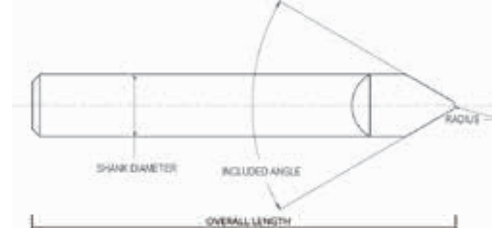
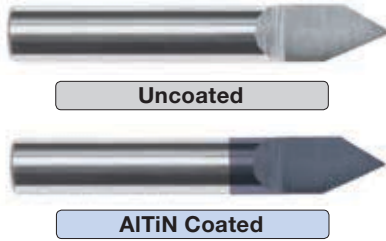
Included Angle	Tip ø	OAL	Shank ø	Uncoated Part #	AITiN Coated Part #
40°	.004	2	1/8	RET621600	RET621600A
	.004	2-1/2	3/16	RET621615	RET621615A
	.004	2-1/2	1/4	RET621630	RET621630A
60°	.004	2	1/8	RET621605	RET621605A
	.004	2-1/2	3/16	RET621620	RET621620A
	.004	2-1/2	1/4	RET621635	RET621635A
90°	.004	2	1/8	RET621610	RET621610A
	.004	2-1/2	3/16	RET621625	RET621625A
	.004	2-1/2	1/4	RET621640	RET621640A



Chisel Style Engraving Tools

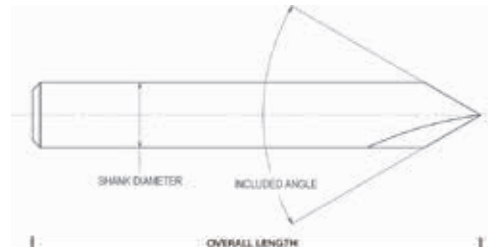
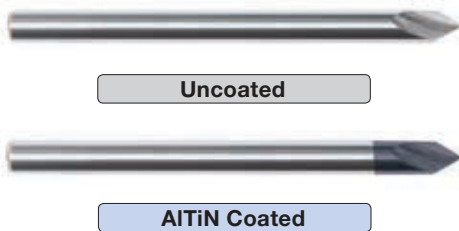
Included Angle	Tip ø	OAL	Shank ø	Uncoated Part #	AITiN Coated Part #
40°	.002	2	1/8	RET622400	RET622400A
	.002	2-1/2	3/16	RET622415	RET622415A
	.002	2-1/2	1/4	RET622430	RET622430A
60°	.002	2	1/8	RET622405	RET622405A
	.002	2-1/2	3/16	RET622420	RET622420A
	.002	2-1/2	1/4	RET622435	RET622435A
90°	.002	2	1/8	RET622410	RET622410A
	.002	2-1/2	3/16	RET622425	RET622425A
	.002	2-1/2	1/4	RET622440	RET622440A

Radius & 2-Flute



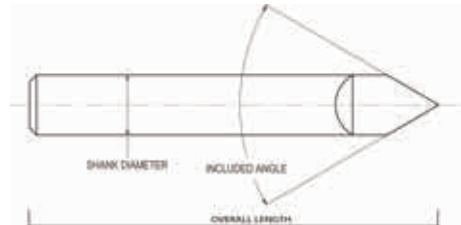
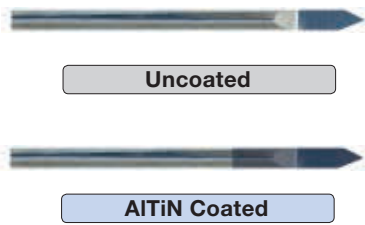
Radius Tip Engraving Tools

Included Angle	Tip Radius	OAL	Shank ϕ	Uncoated Part #	AITiN Coated Part #
30°	.005	2	1/8	RET622200	RET622200A
	.010	2	1/8	RET622205	RET622205A
	.015	2	1/8	RET622210	RET622210A
	.020	2	1/8	RET622215	RET622215A
40°	.005	2	1/8	RET622220	RET622220A
	.010	2	1/8	RET622225	RET622225A
	.015	2	1/8	RET622230	RET622230A
	.020	2	1/8	RET622235	RET622235A
60°	.005	2	1/8	RET622240	RET622240A
	.010	2	1/8	RET622250	RET622250A
	.015	2	1/8	RET622260	RET622260A
	.020	2	1/8	RET622270	RET622270A
90°	.005	2	1/8	RET622280	RET622280A
	.010	2	1/8	RET622290	RET622290A
	.015	2	1/8	RET622300	RET622300A
	.020	2	1/8	RET622310	RET622310A



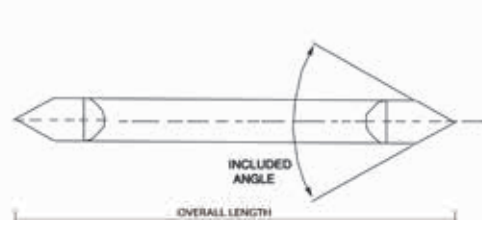
2-Flute Engraving Tools

Included Angle	Web Thickness	OAL	Shank ϕ	Uncoated Part #	AITiN Coated Part #
30°	.005	2	1/8	RET622600	RET622600A
	.005	2-1/2	3/16	RET622605	RET622605A
	.005	2-1/2	1/4	RET622610	RET622610A
60°	.005	2	1/8	RET622615	RET622615A
	.010	2	1/8	RET622620	RET622620A
	.005	2-1/2	3/16	RET622625	RET622625A
90°	.005	2-1/2	1/4	RET622630	RET622630A
	.005	2	1/8	RET622635	RET622635A
	.010	2	1/8	RET622640	RET622640A
	.005	2-1/2	3/16	RET622650	RET622650A
120°	.005	2-1/2	1/4	RET622660	RET622660A
	.005	2	1/8	RET622670	RET622670A
	.005	2-1/2	3/16	RET622680	RET622680A
	.005	2-1/2	1/4	RET622690	RET622690A



Carbide Standard Point Extra Long Engraving Tools

Included Angle	Tip ø	OAL	Shank ø	Uncoated Part #	AITiN Coated Part #
40°	.015	4	1/8	RET621800	RET621800A
	.015	4	3/16	RET621820	RET621820A
	.015	4	1/4	RET621840	RET621840A
60°	.015	4	1/8	RET621805	RET621805A
	.015	4	3/16	RET621825	RET621825A
	.015	4	1/4	RET621845	RET621845A
90°	.015	4	1/8	RET621810	RET621810A
	.015	4	3/16	RET621830	RET621830A
	.015	4	1/4	RET621850	RET621850A
120°	.015	4	1/8	RET621815	RET621815A
	.015	4	3/16	RET621835	RET621835A
	.015	4	1/4	RET621855	RET621855A

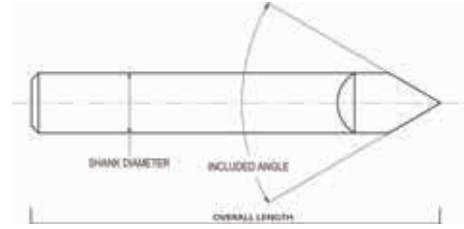
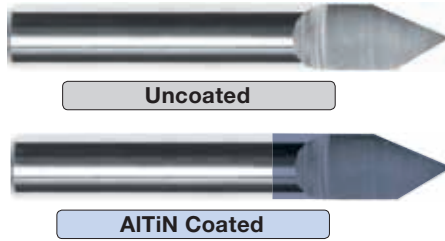


Carbide Standard Point Double-End Engraving Tools

Included Angle	Tip ø	OAL	Shank ø	Uncoated Part #	AITiN Coated Part #
30°	.015	2	1/8	RET621400	RET621400A
	.015	2-1/2	3/16	RET621417	RET621417A
	.015	2-1/2	1/4	RET621437	RET621437A
40°	.015	2	1/8	RET621402	RET621402A
	.015	2-1/2	3/16	RET621420	RET621420A
	.015	2-1/2	1/4	RET621440	RET621440A
60°	.015	2	1/8	RET621405	RET621405A
	.015	2-1/2	3/16	RET621425	RET621425A
	.015	2-1/2	1/4	RET621445	RET621445A
90°	.015	2	1/8	RET621410	RET621410A
	.015	2-1/2	3/16	RET621430	RET621430A
	.015	2-1/2	1/4	RET621450	RET621450A
120°	.015	2	1/8	RET621415	RET621415A
	.015	2-1/2	3/16	RET621435	RET621435A
	.015	2-1/2	1/4	RET621455	RET621455A

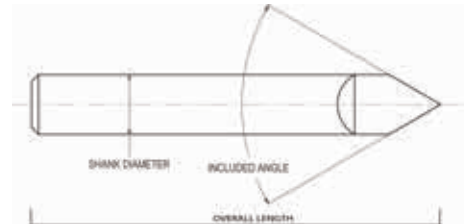
Engraving Tools

Fine Point & Soft Material



Carbide Fine Point Engraving Tools

Included Angle	Tip ϕ	OAL	Shank ϕ	Uncoated Part #	AlTiN Coated Part #
40°	.002	2	1/8	RET621200	RET621200A
60°	.002	2	1/8	RET621205	RET621205A
90°	.002	2	1/8	RET621210	RET621210A



Carbide Soft Material Engraving Tools

Included Angle	Tip ϕ	OAL	Shank ϕ	Uncoated Part #	TiN Coated Part #
40°	.015	2	1/8	RET621500	RET621500T
	.015	2-1/2	3/16	RET621520	RET621520T
	.015	2-1/2	1/4	RET621540	RET621540T
60°	.015	2	1/8	RET621505	RET621505T
	.015	2-1/2	3/16	RET621525	RET621525T
	.015	2-1/2	1/4	RET621545	RET621545T
90°	.015	2	1/8	RET621510	RET621510T
	.015	2-1/2	3/16	RET621530	RET621530T
	.015	2-1/2	1/4	RET621550	RET621550T