



# STI Spiral Fluted Taps For Nickel Base Alloys

For Unified Threads

## ZELX NI STI



ZELX NI STI have an Oxide and Nitride Surface Toughening Treatment  
PM High Speed Steel

ZELX NI Taps have been designed for extended tap life in Cobalt, Nickel, and Iron base exotic materials such as: Inconel, Hatelloy, Waspalloy and harder stainless Steels, Mold and Tool Steels

STI taps are oversize to the extent that the internal thread which they produce will accommodate a helical coil wire screw thread insert, which at final assembly will accept a screw thread of the nominal size and pitch.

For Nickel Base Alloys, Other Exotic Alloys, Mold and Stainless Steels >30HRC

Bottoming Style (1 to 2 threads chamfered)				List					3617 3627	Machine Screw Sizes Fractional Sizes		
Nominal Size	TPI NC UNC	NF UNF	No. of Flutes	Pitch Diameter Limit/ EDP Numbers					Dimensions			
				H1	H2	H3	H4	H5	Length of Thread	Neck Length	Length Overall	
4	40	—	3	—	387004	387419	—	—	—	.276	.411	2
6	32	—	3	387008	387425	—	—	—	—	.354	.521	2- 3/8
8	32	—	3	381409	—	387026	—	—	—	.354	.583	2- 3/8
10	24	—	3	387012	—	387028	—	387445	—	.433	.567	2- 1/2
10	—	32	3	—	—	387029	—	387057	—	.354	.646	2- 1/2
1/4	20	—	3	—	—	387058	—	—	—	.472	.653	2- 23/32
1/4	—	28	3	—	—	387059	—	—	—	.394	.731	2- 23/32
5/16	18	—	3	—	—	387060	—	—	—	.551	.699	2- 15/16
5/16	—	24	3	—	—	387061	—	—	—	.394	.856	2- 15/16
3/8	16	—	3	—	—	387062	—	—	—	.630	1.417	3- 3/8
3/8	—	24	3	—	387063	—	—	—	—	.472	1.378	3- 5/32
7/16	14	—	3	—	—	387064	—	—	—	.709	1.338	3- 19/32
7/16	—	20	3	—	—	387065	—	—	—	.472	1.575	3- 3/8
1/2	13	—	3	—	—	387066	—	387088	—	.748	1.456	3- 13/16
1/2	—	20	3	—	—	387067	—	—	—	.512	1.535	3- 19/32