



STI Spiral Fluted Taps for Nickel Base Alloys For Unified Threads

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

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.

Modified Bottoming Style
(3 to 4 threads chamfered)

List 3617
3627

Machine Screw Sizes
Fractional Sizes

Nominal Size	TPI		No. of Flutes	Pitch Diameter Limit/ EDP Numbers				Dimensions		
	NC	NF		H1	H2	H3	H4	Length of Thread	Neck Length	Length Overall
	UNC	UNF								
2	56	—	2	—	387400	—	—	.236	.326	1- 7/8
4	40	—	3	387403	387404	387420	—	.276	.411	2
6	32	—	3	—	387408	387424	—	.354	.521	2- 3/8
6	—	40	3	—	387409	—	—	.276	.474	2- 1/8
8	32	—	3	—	387410	387426	—	.354	.573	2- 3/8
10	24	—	3	—	387412	387428	—	.433	.567	2- 1/2
10	—	32	3	—	387413	387429	—	.354	.646	2- 1/2
1/4	20	—	3	—	387448	387458	—	.472	.653	2- 23/32
1/4	—	28	3	—	387449	387459	—	.394	.731	2- 23/32
5/16	18	—	3	—	—	387460	387470	.551	.699	2- 15/16
5/16	—	24	3	—	387451	387461	—	.394	.856	2- 15/16
3/8	16	—	3	—	—	387462	387472	.630	1.417	3- 3/8
3/8	—	24	3	—	387453	387463	—	.472	1.378	3- 5/32
7/16	14	—	3	—	—	387464	—	.709	1.338	3- 19/32
7/16	—	20	3	—	—	387465	387475	.472	1.575	3- 3/8
1/2	13	—	3	—	—	387466	—	.748	1.456	3- 13/16
1/2	—	20	3	—	—	387467	—	.512	1.535	3- 19/32