



YMW Zelx™ SS Taps
Custom Blended Vanadium HSS
For Stainless Steels & Alloy Steels



ZELX SS Taps are designed for difficult jobs including the stainless steel family of materials as well as alloy steels, high carbon steel and high silicon aluminum. Due to the unique tool steel and tap geometry, ZELX SS Spiral Pointed Taps increase productivity through longer tool life and are ideally suited for through hole tapping.

ZELX SS Taps are surface treated to reduce loading and galling of product material, thereby improving tap wearlife and thread quality.

The special ZELX SS tool geometry creates less torque, better removal of chips and runs cooler. Necked design enhances flow of cutting fluid to cutting teeth and reduces surface contact between the tool and workpiece for more efficient threading.

Spiral Point
Plug style (3-5 Threads Chamfered)
Steam Oxide Surface Treated
Screw Machine and Fractional Sizes

For Through Hole Tapping



Thread/Inch						Pitch Diameter Limit / Order No.						
Nominal Size	NC UNC	NF UNF	No. of Flutes	Length of Thread	OAL	H2	H3	H4	H5	H6	H7	Price
2	56	---	2	.256	1-3/4	82623	---	---	---	---	---	16.21
3	48	---	2	.295	1-13/16	82600	---	---	---	---	---	12.88
4	40	---	2	.335	1-7/8	82601	82602	82612	82634	---	---	10.58
4	---	48	2	.335	1-7/8	82683	---	---	---	---	---	10.58
5	40	---	3	.374	1-15/16	82603	---	---	---	---	---	10.58
6	32	---	3	.413	2	82604	82605	82608	82635	82659	82665	8.86
6	---	40	3	.413	2	82684	---	---	---	---	---	8.86
8	32	---	3	.453	2-1/8	82606	82607	82629	82637	82660	82667	8.86
8	---	36	3	.453	2-1/8	82686	---	---	---	---	---	8.86
10	24	---	3	.531	2-3/8	---	82609	---	82639	---	82669	8.86
10	---	32	3	.531	2-3/8	82611	82610	82630	82640	82661	82670	8.86
12	24	---	3	.571	2-3/8	---	82688	---	---	---	---	9.82
12	---	28	3	.571	2-3/8	---	82689	---	---	---	---	9.82
1/4	20	---	3	.591	2-1/2	---	82613	---	82643	---	82673	9.82
1/4	---	28	3	.591	2-1/2	---	82614	82631	82644	82662	82674	9.82
5/16	18	---	3	.669	2-23/32	---	82615	---	82645	---	82675	10.97
5/16	---	24	3	.669	2-23/32	---	82616	82632	82646	82663	82676	10.97
3/8	16	---	3	.748	2-15/16	---	82617	---	82647	---	---	12.48
3/8	---	24	3	.748	2-15/16	---	82618	82633	82648	82664	82678	12.48
7/16	14	---	3	.866	3-5/32	---	82619	---	82649	---	---	16.12
7/16	---	20	3	.866	3-5/32	---	82620	---	82650	82691	82680	16.12
1/2	13	---	3	.984	3-3/8	---	82621	---	82651	---	82681	18.58
1/2	---	20	3	.984	3-3/8	---	82622	---	82652	82692	82682	18.58
9/16	12	---	3	.984	3-19/32	---	82653	---	---	---	---	28.79
9/16	---	18	3	.984	3-19/32	---	82654	---	---	---	---	28.79
5/8	11	---	3	1.083	3-13/16	---	82625	---	82655	---	---	33.74
5/8	---	18	3	1.083	3-13/16	---	82626	82636	82656	82694	82591	33.74
3/4	10	---	3	1.201	4-1/4	---	82627	---	82657	---	---	52.99
3/4	---	16	3	1.201	4-1/4	---	82628	---	82658	---	82592	52.99
7/8	9	---	3	1.339	4-11/16	---	---	82695	---	---	---	68.82
7/8	---	14	3	1.339	4-11/16	---	---	82696	---	---	---	68.82
1	8	---	3	1.496	5-1/8	---	---	82697	---	---	---	93.78



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Zelx SS Spiral Fluted Taps are designed for difficult jobs including the stainless steel family of materials as well as alloy steels, high carbon steel and high silicon aluminum. The unique design of ZELX SS taps increase productivity through longer tool life. The modified bottom chamfer makes the **ideally suited for blind hole tapping.**

ZELX SS Spiral Fluted Taps are surface treated to reduce loading and galling of product material, improving tap wearlife and thread quality.

The special ZELX SS tool geometry creates less torque, better removal of chips and runs cooler. Necked design enhances flow of cutting fluid to cutting teeth and reduces surface contact between the tool and workpiece for more efficient threading.

Spiral Flute
Modified Bottoming Style (2-1/2 - 3-1/2 Threads Chamfered)
Steam Oxide Surface Treated
Screw Machine and Fractional Sizes

For Blind
Hole
Tapping



Thread/Inch					Pitch Diameter Limit / Order No.							Our Price
Nominal Size	NC UNC	NF UNF	No. of Flutes	Length of Thread	OAL	H2	H3	H4	H5	H6	H7	
2	56	---	2	.157	1-3/4	84623	---	---	---	---	---	21.44
3	48	---	2	.197	1-13/16	84600	---	---	---	---	---	20.88
4	40	---	2	.236	1-7/8	84601	84602	84629	84634	---	---	15.83
4	---	48	2	.236	1-7/8	84683	---	---	---	---	---	15.83
5	40	---	3	.236	1-15/16	84603	---	---	---	---	---	15.83
6	32	---	3	.276	2	84604	84605	84636	84635	84659	84665	12.59
6	---	40	3	.276	2	84684	84685	---	---	---	---	12.59
8	32	---	3	.276	2-1/8	84606	84607	84638	84637	84660	84667	12.59
8	---	36	3	.276	2-1/8	---	84687	---	---	---	---	12.59
10	24	---	3	.354	2-3/8	84624	84609	---	84639	84690	84669	12.88
10	---	32	3	.276	2-3/8	84611	84610	84630	84640	84662	84670	14.20
12	24	---	3	.354	2-3/8	---	84688	---	---	---	---	14.20
12	---	28	3	.276	2-3/8	---	84689	---	---	---	---	14.20
1/4	20	---	3	.433	2-1/2	---	84613	84631	84643	---	84673	14.20
1/4	---	28	3	.354	2-1/2	---	84614	---	84644	84664	84674	14.20
5/16	18	---	3	.472	2-23/32	---	84615	84632	84645	---	84675	15.83
5/16	---	24	3	.394	2-23/32	---	84616	---	84646	---	84676	15.83
3/8	16	---	3	.551	2-15/16	---	84617	84633	84647	---	84677	17.64
3/8	---	24	3	.394	2-15/16	---	84618	---	84648	---	84678	17.64
7/16	14	---	3	.591	3-5/32	---	84619	---	84649	---	84679	25.73
7/16	---	20	3	.427	3-5/32	---	84620	---	84650	84691	84680	25.73
1/2	13	---	3	.630	3-3/8	---	84621	---	84651	---	82681	31.35
1/2	---	20	3	.472	3-3/8	---	84622	---	84652	84692	82682	31.35
9/16	12	---	3	.709	3-19/32	---	84653	---	---	---	---	47.56
9/16	---	18	3	.512	3-19/32	---	84654	---	---	---	---	47.56
5/8	11	---	3	.748	3-13/16	---	84625	---	84655	---	---	52.22
5/8	---	18	3	.512	3-13/16	---	84626	---	84656	---	84672	52.22
3/4	10	---	4	.827	4-1/4	---	84627	---	84657	---	---	67.48
3/4	---	16	4	.591	4-1/4	---	84628	---	84658	---	84686	67.48
7/8	9	---	4	.827	4-11/16	---	---	84695	---	---	---	100.09
7/8	---	14	4	.709	4-11/16	---	---	84696	---	---	---	100.09
1	8	---	4	.984	5-1/8	---	---	84697	---	---	---	131.33