



Spiral Fluted Taps for Non-Ferrous Materials For Unified Threads

ZELX AL

For Wrought Aluminum Alloys (6061-T6, 7075 type),
Copper, Zinc Alloys, Magnesium Alloys will also
thread deep blind holes in Silicon Die Cast
Aluminum >1-1/2 diameters in depth.



*ZELX AL have a Nitride Surface Toughening Treatment
Custom Blend High Vanadium HSS

Modified Bottoming (2- 1/2 to 3 threads chamfered)
DIN lengths with ANSI shank dimensions.

List 3701 Machine Screw Sizes
3711 Fractional Sizes

TPI Nominal Size	NC UNC	NF UNF	No. of Flutes	Pitch Diameter Limit/ EDP Numbers				Dimensions		
				H2	H3	H4	H5	Length of Thread	Neck Length	Length Overall
2	56	—	2	386500	—	—	—	.314	—	1.772
4	40	—	2	386501	—	—	—	.433	.276	2.205
5	40	—	3	386502	—	—	—	.433	.276	2.205
6	32	—	3	—	386503	—	—	.512	.275	2.205
8	32	—	3	—	386504	—	—	.512	.315	2.480
10	24	—	3	—	386505	—	—	.630	.354	2.756
10	—	32	3	—	386506	—	—	.630	.354	2.756
1/4	20	—	3	—	386507	—	386508	.748	.433	3.150
1/4	—	28	3	—	386509	386511	—	.748	.433	3.150
5/16	18	—	3	—	386512	—	386513	.866	.512	3.543
5/16	—	24	3	—	386514	386515	—	.866	.512	3.543
3/8	16	—	3	—	386516	—	386517	.945	.590	3.937
3/8	—	24	3	—	386518	386519	—	.787	.748	3.543
7/16	14	—	3	—	386520	—	386521	.945	—	3.937
7/16	—	20	3	—	386522	—	386523	.945	—	3.937
1/2	13	—	3	—	386524	—	386525	1.142	—	4.331
1/2	—	20	3	—	386526	—	386527	.866	—	3.937

ZELX AL taps are suitable for UNJ Aerospace internal threading applications.

Spiral Fluted Taps for Non-Ferrous Materials For Metric Threads

ZELX AL

Modified Bottoming (2- 1/2 to 3 threads chamfered)
DIN lengths with ANSI shank dimensions.

List 3771 Metric Sizes

Nominal Size	No. of Flutes	Pitch Diameter Limit/ EDP Numbers				Dimensions		
		D3	D4	D5	D6	Length of Thread	Neck Length	Length Overall
M3 X 0.5	3	386528	—	—	—	.433	.276	2.205
M3.5 X 0.6	3	—	386529	—	—	.512	.275	2.205
M4 X 0.7	3	—	386530	—	—	.512	.315	2.480
M5 X 0.8	3	—	386531	—	—	.630	.354	2.756
M6 X 1	3	—	—	386532	—	.748	.433	3.150
M7 X 1	3	—	—	386533	—	.748	.433	3.150
M8 X 1	3	—	—	386534	—	.866	.512	3.543
M8 X 1.25	3	—	—	386535	—	.866	.512	3.543
M10 X 1.25	3	—	—	386536	—	.945	.590	3.937
M10 X 1.5	3	—	—	—	386537	.945	.590	3.937
M12 X 1.25	3	—	—	386538	—	.866	—	3.937
M12 X 1.5	3	—	—	386539	—	.866	—	3.937
M12 X 1.75	3	—	—	—	386540	1.142	—	4.331

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