



ZELX Carbide Hand Taps

For Unified Threads

Ideal for long production runs where reduced tool changes mean improved production efficiency.

YMW carbide taps have also proven to be an excellent choice for threading very abrasive materials below 40HRC.

YMW solid ultra fine grain carbide taps are manufactured from the finest micro grain carbide for exceptional wear life and reduced chipping.

For the longest tool life available from any tap, YMW offers two carbide tap designs --- one for tapping cast irons and another for aluminums.

ZELX CARB CI CARBIDE HAND TAPS

For Cast Irons, Hard Plastics, Fiberglass, Cast Brass, Cobalt, Chrome Alloys Steels



ZELX CARB AL CARBIDE HAND TAPS

For Aluminum Alloys, Zinc Die Castings, Copper Alloys and Soft Plastics

Straight Flute
 Plug (3 to 5 threads chamfered) for through hole tapping. List 3910 & 3817 Machine Screw sizes
 Bottoming (1 to 2 threads chamfered) for blind hole tapping. List 3920 & 3927 Fractional sizes

TPI Nominal Size	NC UNC	NF UNF	Ground Thread Limits	EDP Numbers				Dimensions	
				FOR CAST IRONS 4 Flutes		FOR ALUM. ALLOYS 3 Flutes		Length of Thread	Length Overall
			Plug	Bottoming	Plug	Bottoming			
				LIST 3917		LIST 3910			
5	40	—	H3	—	—	384800	384801	5/8	1- 5/16
6	32	—	H3	—	—	384802	384803	11/16	2
8	32	—	H3	—	—	384804	384805	3/4	2- 1/8
10	24	—	H3	383806	383807	384806	384807	7/8	2- 3/8
10	—	32	H5	383808	383809	384808	384809	7/8	2- 3/8
				LIST 3927		LIST 3920			
1/4	20	—	H3	383810	383811	384810	384811	1	2- 1/2
1/4	20	—	H5	383860	383861	384860	384861	1	2- 1/2
1/4	—	28	H3	383812	383813	384812	384813	1	2- 1/2
1/4	—	28	H5	383862	383863	384862	384863	1	2- 1/2
5/16	18	—	H3	383814	383815	384814	384815	1- 1/8	2- 23/32
5/16	18	—	H5	383864	383865	384864	384865	1- 1/8	2- 23/32
5/16	—	24	H3	383816	383817	384816	384817	1- 1/8	2- 23/32
5/16	—	24	H5	383866	383867	384866	384867	1- 1/8	2- 23/32
3/8	16	—	H3	383818	383819	384818	384819	1- 1/4	2- 15/16
3/8	16	—	H5	383868	383869	384868	384869	1- 1/4	2- 15/16
3/8	—	24	H3	383820	383821	384820	384821	1- 1/4	2- 15/16
3/8	—	24	H5	383870	383871	384870	384871	1- 1/4	2- 15/16
7/16	14	—	H3	383822	383823	384822	384823	1- 7/16	3- 5/32
7/16	14	—	H5	383572	383873	384872	384873	1- 7/16	3- 5/32
7/16	—	24	H3	383824	383825	384824	384825	1- 7/16	3- 5/32
7/16	—	24	H5	383874	383875	384874	384875	1- 7/16	3- 5/32
1/2	13	—	H3	383826	383827	384826	384827	1- 21/32	3- 3/8
1/2	13	—	H5	383876	383877	384876	384877	1- 21/32	3- 3/8
1/2	—	20	H3	383828	383829	384828	384829	1- 21/32	3- 3/8
1/2	—	20	H5	383878	383879	384878	384879	1- 21/32	3- 3/8
5/8	11	—	H3	383834	383835	—	—	1- 13/16	3- 13/16
5/8	11	—	H5	383884	383885	—	—	1- 13/16	3- 13/16
5/8	—	18	H3	383836	383837	—	—	1- 13/16	3- 13/16
5/8	—	18	H5	383886	383887	—	—	1- 13/16	3- 13/16