

Heli-Coil STI tap part numbers – inch

STRAIGHT FLUTE TAPS. Widely used for general hand and machine tapping operations. Available in sizes thru 1-1/2".

• **Plug Style – (4 Thread Chamfer).**

Used in thru holes and blind holes that allow for ample chip clearance. Easier to start and require less tapping torque than bottoming taps.

• **Bottoming Style – (2 Thread Chamfer).** Used in blind holes drilled to a minimum depth that requires threads be close to the bottom of the hole.

SPIRAL POINTED – PLUG & SPIRAL FLUTE. Used for efficient chip disposal in production tapping operations. Available in sizes thru 1/2".

• **Spiral Pointed - Plug (4 Thread Chamfer).** Incorporates an angular grind at the point end of the tap which shears chips and drives them forward of the tap. Used widely in long thru holes and blind holes with ample chip clearance. They are free cutting and provide increased tap strength. Not recommended for abrasive materials.

TABLE IX – HELI-COIL STI TAP PART NUMBERS

Nominal Thread Size	Straight Flute				Spiral Point		High Spiral Flute		Roughing Tap
	Plug		Bottoming		Plug		Bottoming		
	3B	2B	3B	2B	3B	2B	3B	2B	
UNIFIED COARSE									
1 (.073)-64	01CPB	01CPA	01CBB	01CBA	01CSB	01CSA	5905-01	6905-01	
2 (.086)-56	02CPB	02CPA	02CBB	02CBA	02CSB	02CSA	5905-02	6905-02	
3 (.099)-48	03CPB	03CPA	03CBB	03CBA	03CSB	03CSA	5905-03	6905-03	
4 (.112)-40	04CPB	04CPA	04CBB	04CBA	04CSB	04CSA	5905-04	6905-04	
5 (.125)-40	05CPB	05CPA	05CBB	05CBA	05CSB	05CSA	5905-05	6905-05	
6 (.138)-32	06CPB	06CPA	06CBB	06CBA	06CSB	06CSA	5905-06	6905-06	
8 (.164)-32	2CPB	2CPA	2CBB	2CBA	2CSB	2CSA	5905-2	6905-2	
10 (.190)-24	3CPB	3CPA	3CBB	3CBA	3CSB	3CSA	5905-3	6905-3	
12 (.216)-24	1CPB	1CPA	1CBB	1CBA	1CSB	1CSA	5905-1	6905-1	
1/4 (.2500)-20	4CPB	4CPA	4CBB	4CBA	4CSB	4CSA	5905-4	6905-4	
5/16 (.3125)-18	5CPB	5CPA	5CBB	5CBA	5CSB	5CSA	5905-5	6905-5	
3/8 (.3750)-16	6CPB	6CPA	6CBB	6CBA	6CSB	6CSA	5905-6	6905-6	
7/16 (.4375)-14	7CPB	7CPA	7CBB	7CBA	7CSB	7CSA	5905-7	6905-7	7CRU
1/2 (.5000)-13	8CPB	8CPA	8CBB	8CBA	8CSB	8CSA	5905-8	6905-8	8CRU
9/16 (.5625)-12	187-9	38187-9	4187-9	43187-9					9CRU
5/8 (.6250)-11	8187-10	18187-10	10187-10	20187-10					10CRU
3/4 (.7500)-10	8187-12	18187-12	10187-12	20187-12					12CRU
7/8 (.8750)-9	8187-14	18187-14	10187-14	20187-14					14CRU
1 (1.0000)-8	8187-16	18187-16	10187-16	20187-16					16CRU
1-1/8 (1.1250)-7	8187-18	18187-18	10187-18	20187-18					
1-1/4 (1.2500)-7	8187-20	18187-20	10187-20	20187-20					
1-3/8 (1.3750)-6	8187-22	18187-22	10187-22	20187-22					
1-1/2 (1.5000)-6	8187-24	18187-24	10187-24	20187-24					
UNIFIED FINE									
2 (.086)-64	02FPB	02FPA	02FBB	02FBA	02FSB	02FSA	5906-02	6906-02	
3 (.099)-56	03FPB	03FPA	03FBB	03FBA	03FSB	03FSA	5906-03	6906-03	
4 (.112)-48	04FPB	04FPA	04FBB	04FBA	04FSB	04FSA	5906-04	6906-04	
6 (.138)-40	06FPB	06FPA	06FBB	06FBA	06FSB	06FSA	5906-06	6906-06	
8 (.164)-36	2FPB	2FPA	2FBB	2FBA	2FSB	2FSA	5906-2	6906-2	
10 (.190)-32	3FPB	3FPA	3FBB	3FBA	3FSB	3FSA	5906-3	6906-3	
1/4 (.2500)-28	4FPB	4FPA	4FBB	4FBA	4FSB	4FSA	5906-4	6906-4	
5/16 (.3125)-24	5FPB	5FPA	5FBB	5FBA	5FSB	5FSA	5906-5	6906-5	
3/8 (.3750)-24	6FPB	6FPA	6FBB	6FBA	6FSB	6FSA	5906-6	6906-6	
7/16 (.4375)-20	7FPB	7FPA	7FBB	7FBA	7FSB	7FSA	5906-7	6906-7	
1/2 (.5000)-20	8FPB	8FPA	8FBB	8FBA	8FSB	8FSA	5906-8	6906-8	
9/16 (.5625)-18	38193-9	18193-9	43193-9	20193-9					
5/8 (.6250)-18	8193-10	18193-10	10193-10	20193-10					9FRU
3/4 (.7500)-16	8193-12	18193-12	10193-12	20193-12					10FRU
7/8 (.8750)-14	8193-14	18193-14	10193-14	20193-14					12FRU
1 (1.0000)-14	8193-16	18193-16	10193-16	20193-16					14FRU
1 (1.0000)-12	8193-161	18193-161	10193-161	20193-161					16FRU
1-1/8 (1.1250)-12	8193-18	18193-18	10193-18	20193-18					161FRU
1-1/4 (1.2500)-12	8193-20	18193-20	10193-20	20193-20					
1-3/8 (1.3750)-12	8193-22	18193-22	10193-22	20193-22					
1-1/2 (1.5000)-12	8193-24	18193-24	10193-24	20193-24					