

For more information on taps, see page 2159.



**Bright (Uncoated) High Speed Steel
Spiral Flute, UNC, 2 Flutes
33ZJ83**



Screw Thread Insert (STI) Taps

STI taps create an oversized thread inside a hole so that a helical-coil screw thread insert can be installed in the hole. The insert distributes the load across the length of the threads and improves the threads' strength when a fastener with a standard screw thread size is screwed into the hole.

Thread Size	Thread Length	Overall Length	Tap Chamfer	Brand	Item No.
Bright (Uncoated) High Speed Steel Pipe					
NPT, 4 Flutes					
1/8"-27	1 1/8 in	2 3/8 in	Taper	Heli-Coil	4EYP2
1/4"-18	1 1/8 in	2 1/2 in	Taper	Heli-Coil	4EYN8
3/8"-18	1 3/8 in	3 1/8 in	Taper	Heli-Coil	4EYT5
Bright (Uncoated) High Speed Steel Spiral Flute					
Metric Coarse, 3 Flutes					
M8x1.25	12.00 mm	74.00 mm	Modified Bottoming	OSG	33ZF66
M10x1.5	15.00 mm	85.00 mm	Modified Bottoming	OSG	33ZF67
Metric Fine, 4 Flutes					
M20x2.5	25.00 mm	124.00 mm	Modified Bottoming	OSG	33ZF72
M22x2.5	25.00 mm	130.00 mm	Modified Bottoming	OSG	33ZF73
M24x3	30.00 mm	138.00 mm	Modified Bottoming	OSG	33ZF74
UNC, 3 Flutes					
1/4"-20	1/2 in	2 3/8 in	Bottoming	OSG	33ZF45
1/4"-20	1/2 in	2 3/8 in	Bottoming	OSG	33ZF44
1/4"-20	8.00 mm	90.00 mm	Plug	Walter Prototyp	428240
5/16"-18	3/8 in	2 1/8 in	Bottoming	OSG	33ZF48
3/8"-16	3/8 in	3 3/8 in	Bottoming	OSG	33ZF51
UNC, 4 Flutes					
1/2"-13	4/8 in	3 1/8 in	Bottoming	OSG	33ZF58
9/16"-12	5/8 in	4 1/2 in	Bottoming	OSG	33ZF17
5/8"-11	2 3/8 in	4 1/4 in	Bottoming	OSG	33ZF21
7/8"-9	1 1/4 in	5 1/8 in	Bottoming	OSG	33ZF29
1"-8	1 1/4 in	5 3/4 in	Bottoming	OSG	33ZF34
UNF, 3 Flutes					
#10-32	1 3/8 in	2 1/2 in	Bottoming	OSG	33ZF42
1/4"-28	1/2 in	2 3/8 in	Bottoming	OSG	33ZF46
5/16"-24	3/8 in	2 1/8 in	Bottoming	OSG	33ZF50
7/16"-20	4/8 in	3 3/8 in	Bottoming	OSG	33ZF56
UNF, 4 Flutes					
1/2"-20	4/8 in	3 3/8 in	Bottoming	OSG	33ZF16
9/16"-18	5/8 in	3 1/8 in	Bottoming	OSG	33ZF19
5/8"-18	2 3/8 in	4 1/2 in	Bottoming	OSG	33ZF24
Bright (Uncoated) High Speed Steel Spiral Point					
EGUNF, 4 Flutes					
1/2"-20	21.00 mm	100.00 mm	Plug	Walter Prototyp	429A08
Metric Coarse, 2 Flutes					
M2x0.4	6.00 mm	46.00 mm	Plug	OSG	33ZK05
M2.5x0.45	8.00 mm	49.00 mm	Plug	OSG	33ZK06
M4x0.7	13.00 mm	60.00 mm	Plug	OSG	33ZK08
Metric Coarse, 3 Flutes					
M20x2.5	33.00 mm	124.00 mm	Plug	OSG	33ZK17
M5x0.8	15.00 mm	80.00 mm	Plug	Walter Prototyp	426T09



General Purpose Spiral-Flute Taps

■ Right-hand thread direction

General purpose spiral-flute taps create internal threads in blind holes and are intended for threading a wide range of materials.

Thread Size	Thread Length	Overall Length	Tap Chamfer	Brand	Item No.
Metric, 2 Flutes					
M3x0.5	7.87 mm	49.28 mm	Plug	Cleveland	435V62
M3x0.5	7.95 mm	49.28 mm	Bottoming	Widia GTD	13X334
Metric, 3 Flutes					
M12x1.75	23.75 mm	85.85 mm	Bottoming	Widia GTD	13X322
Metric Coarse, 3 Flutes					
M12x1.75	1 1/2 in	3 3/8 in	Bottoming	OSG	21YD5
M16x2	32.00 mm	95.00 mm	Modified Bottoming, Semi-Bottoming	OSG	33XR16
UNC, 2 Flutes					
#6-32	3/8 in	2 in	Bottoming	OSG	2VZY9
#6-32	3/8 in	2 in	Plug	Widia GTD	1TRJ4
#6-32	3/8 in	2 in	Plug	OSG	2WAC8
UNC, 3 Flutes					
#8-32	3/8 in	2 1/8 in	Bottoming	Widia GTD	1TRK6
#8-32	3/8 in	2 3/8 in	Bottoming	OSG	2VZ22
#8-32	3/8 in	2 3/8 in	Plug	OSG	2VZ21
#10-24	1/2 in	2 1/8 in	Bottoming	OSG	2VZ23
#10-24	1/2 in	2 3/8 in	Plug	Widia GTD	1TRJ6
#10-24	1/2 in	2 1/8 in	Plug	OSG	2VZY7
1/4"-20	1 in	2 1/2 in	Bottoming	OSG	2LYA7
1/4"-20	5/8 in	2 1/2 in	Bottoming	Greenfield Threading	15J962
1/4"-20	5/8 in	2 1/2 in	Bottoming	Widia GTD	1TRK9
1/4"-20	5/8 in	2 1/2 in	Bottoming	OSG	2VZX9
1/4"-20	5/8 in	2 1/2 in	Bottoming	OSG	2WAE2
1/4"-20	5/8 in	2 1/2 in	Plug	Greenfield Threading	15J949
1/4"-20	5/8 in	2 1/2 in	Plug	Widia GTD	1TRJ8
1/4"-20	5/8 in	2 1/2 in	Plug	OSG	2VZX6



**UNC, 2 Flutes
2VZY9**

Scan. Order. Done.
Details on page A1.



Thread Size	Thread Length	Overall Length	Tap Chamfer	Brand	Item No.
M6x1	17.00 mm	69.00 mm	Plug	OSG	33ZK10
M8x1.25	19.00 mm	74.00 mm	Plug	OSG	33ZK11
M10x1.5	23.00 mm	85.00 mm	Plug	OSG	33ZK12
M12x1.75	25.00 mm	91.00 mm	Plug	OSG	33ZK13
UNC, 2 Flutes					
#2-56	5/16 in	1 1/8 in	Plug	OSG	33ZJ89
#10-24	3/8 in	2 1/2 in	Plug	OSG	33ZJ83
UNC, 3 Flutes					
#10-24	15.00 mm	80.00 mm	Plug	Walter Prototyp	428Z13
1/4"-20	1 1/8 in	2 3/8 in	Plug	OSG	33ZJ87
1/4"-20	18.00 mm	90.00 mm	Plug	Walter Prototyp	428Z12
1/4"-20	19.00 mm	69.00 mm	Plug	Walter Prototyp	427L38
1/2"-13	1 3/8 in	3 1/8 in	Plug	OSG	33ZJ57
5/8"-11	1 1/2 in	4 1/4 in	Plug	OSG	33ZJ65
UNF, 3 Flutes					
9/16"-18	1 3/8 in	3 1/8 in	Plug	OSG	33ZJ63
7/8"-14	1 1/2 in	5 1/8 in	Plug	OSG	33ZJ75
Bright (Uncoated) High Speed Steel Straight Flute (Hand)					
Metric Coarse, 3 Flutes					
M3x0.5	17.00 mm	51.00 mm	Plug	Heli-Coil	4EYX5
M3.5x0.6	19.00 mm	53.00 mm	Plug	Heli-Coil	4EYX4
M4x0.7	22.22 mm	60.32 mm	Plug	Heli-Coil	4EYX8
M5x0.8	25.40 mm	64.00 mm	Plug	Heli-Coil	4EY11
M6x1	14.00 mm	69.00 mm	Modified Bottoming	OSG	33ZL38
M6x1	34.00 mm	69.00 mm	Plug	Heli-Coil	4EY13
Metric Coarse, 4 Flutes					
M20x2.5	56.36 mm	124.62 mm	Plug	Heli-Coil	4EYX2
M8x1.25	17.00 mm	74.00 mm	Modified Bottoming	OSG	33ZL39
M8x1.25	31.75 mm	74.61 mm	Plug	Heli-Coil	4EY18
M10x1.5	42.00 mm	86.00 mm	Plug	Heli-Coil	4EYV9
M10x1.5	42.00 mm	86.00 mm	Plug	Heli-Coil	4EYV8
M12x1.75	42.07 mm	91.28 mm	Plug	Heli-Coil	4EYV5
M16x2	50.80 mm	107.95 mm	Plug	Heli-Coil	4EYV8
M22x2.5	35.00 mm	130.00 mm	Modified Bottoming	OSG	33ZL46
M24x3	65.09 mm	138.11 mm	Plug	Heli-Coil	4EYX3
Metric Fine, 4 Flutes					
M10x1.25	42.00 mm	86.00 mm	Plug	Heli-Coil	4EYV7
M14x1.50	46.04 mm	96.84 mm	Plug	Heli-Coil	4EYV6
UNC, 3 Flutes					
#2-56	5/16 in	1 1/8 in	Plug	Heli-Coil	4EYR9
#8-32	1 1/8 in	2 3/8 in	Plug	Heli-Coil	4EYR3
#10-24	1 in	2 1/2 in	Plug	Heli-Coil	4EYR3
1/4"-20	3/8 in	2 3/8 in	Bottoming	OSG	33ZL18
1/4"-20	1 1/8 in	2 3/8 in	Plug	Heli-Coil	4EYR9
UNC, 4 Flutes					
5/8"-18	1 1/4 in	2 1/8 in	Plug	Heli-Coil	4EYU1
3/8"-16	5/8 in	3 3/8 in	Bottoming	OSG	33ZK93
3/8"-16	1 2/8 in	3 3/8 in	Plug	Heli-Coil	4EY14
1/2"-13	1 1/8 in	3 1/8 in	Plug	Heli-Coil	4EYV5
9/16"-12	1 1/8 in	4 1/2 in	Plug	Heli-Coil	4EYV3
5/8"-11	1 1/8 in	4 1/4 in	Bottoming	OSG	33ZK43
5/8"-11	2 in	4 1/4 in	Plug	Heli-Coil	4EYU3
1"-8	2 3/8 in	5 3/4 in	Plug	Heli-Coil	4EYR7
1 1/4"-7	3 in	6 3/8 in	Plug	Heli-Coil	4EYR8
UNC, 6 Flutes					
1 3/8"-6	3 3/8 in	6 1/8 in	Plug	Heli-Coil	4EYR6
1 1/2"-6	3 3/8 in	7 in	Plug	Heli-Coil	4EYR6
UNF, 4 Flutes					
9/16"-18	1 1/8 in	3 1/8 in	Plug	Heli-Coil	4EYV4
1"-12	1 3/4 in	5 1/8 in	Bottoming	OSG	33ZK73
1"-12	2 3/8 in	5 1/8 in	Plug	Heli-Coil	4EYR2
UNF, 6 Flutes					
1 1/8"-12	2 3/8 in	5 3/4 in	Plug	Heli-Coil	4EYR9
1 1/4"-12	3 in	6 1/8 in	Plug	Heli-Coil	4EYR7

Thread Size	Thread Length	Overall Length	Tap Chamfer	Brand	Item No.
3/4"-20	5/8 in	2 1/2 in	Plug	OSG	4CYE2
5/16"-18	1 1/8 in	2 3/8 in	Bottoming	OSG	2VZY3
5/16"-18	1 1/8 in	2 3/8 in	Bottoming	Cleveland	435V3
5/16"-18	1 1/8 in	2 3/8 in	Plug	Greenfield Threading	15J951
5/16"-18	1 1/8 in	2 3/8 in	Plug	OSG	2VZX7
5/16"-18	5/8 in	2 3/8 in	Plug	Widia GTD	1TRK1
3/8"-16	1 1/8 in	2 1/8 in	Plug	Widia GTD	1TRK2
3/8"-16	3/4 in	2 1/8 in	Bottoming	Greenfield Threading	15J966
3/8"-16	3/4 in	2 3/8 in	Bottoming	OSG	2WAC2
3/8"-16	3/4 in	2 1/8 in	Plug	Greenfield Threading	15J953
3/8"-16	3/4 in	2 3/8 in	Plug	OSG	2VZY8
7/16"-14	7/8 in	3 1/8 in	Bottoming	OSG	2WAC7
7/16"-14	7/8 in	3 1/8 in	Plug	OSG	4CYD7
1/2"-13	1 3/8 in	3 3/8 in	Bottoming	OSG	2LYC8
1/2"-13	1 5/8 in	3 3/8 in	Bottoming	Greenfield Threading	15J968
1/2"-13	1 5/8 in	3 1/8 in	Bottoming	OSG	2WAC5
1/2"-13	1 5/8 in	3 1/8 in	Bottoming	OSG	2WAE4
1/2"-13	1 5/8 in	3 3/8 in	Bottoming	Cleveland	435V59
1/2"-13	1 5/8 in	3 1/8 in	Plug	OSG	4CYE4
1/2"-13	7/8 in	3 3/8 in	Plug	Widia GTD	1TRK3
UNC, 4 Flutes					
5/8"-11	1 1/8 in	3 3/8 in	Bottoming	OSG	2VZ28
5/8"-11	1 1/8 in	3 3/8 in	Plug	OSG	2VZ27
5/8"-11	1 3/8 in	3 1/8 in	Plug	Widia GTD	4CPK4
3/4"-10	1 3/8 in	4 1/4 in	Bottoming	OSG	2WAA4
3/4"-10	1 3/8 in	4 1/4 in	Plug	OSG	2WAA3
3/4"-10	1 7/8 in	4 1/4 in	Plug	Widia GTD	4CPK6
UNF, 3 Flutes					
#10-32	1/2 in	2 1/8 in	Bottoming	OSG	2VZ25
#10-32	1/2 in	2 1/8 in	Bottoming	OSG	33XP18
#10-32	1/2 in	2 3/8 in	Bottoming	Cleveland	435V45
#10-32	1/2 in	2 3/8 in	Plug	Widia GTD	1TRJ7
#10-32	1/2 in	2 1/8 in	Plug	OSG	2VZ24
#10-32	7/8 in	2 3/8 in	Bottoming	OSG	2LYC3
5/16"-24	1 1/8 in	2 3/8 in	Bottoming	OSG	2VZY5
7/16"-20	7/8 in	3 1/8 in	Plug	OSG	4CYD8
1/2"-20	1 5/8 in	3 1/8 in	Bottoming	OSG	2WAA2
1/2"-20	1 5/8 in	3 1/8 in	Plug	OSG	4CYD9
UNF, 4 Flutes					
5/8"-18	1 1/8 in	3 3/8 in	Bottoming	OSG	2WAA1
5/8"-18	1 1/8 in	3 3/8 in	Plug	OSG	2VZ29
3/4"-16	1 3/8 in	4 1/4 in	Bottoming	OSG	2WAA6