

CONTINUED Helical Wire Thread Inserts HeliCoil®

Thread Size	Overall Length	Drill Bit Size	Compatible Tap Size	Free Coil Diameter	Brand	Pkg. Qty.	Free-Running Item No.	Screw-Locking Item No.
Fine (Cont.)								
18-8 Stainless Steel (Cont.)								
1/4"-28	1/4 in	1/16 in	1/4"-28	0.33 in	—	10	5UUE1	—
	1/4 in	1/16 in	1/4"-28	0.326 in	—	10	—	5WZY3
	1/4 in	G	1/4"-28	0.326 in	Heli-Coil	100	4CZX5	—
	1/4 in	G	1/4"-28	0.316 in	Heli-Coil	100	—	4GDN5
	5/16 in	G	1/4"-28	0.316 in	Heli-Coil	100	—	4GDN6
	3/8 in	1/16 in	1/4"-28	0.33 in	—	10	5UUE2	—
	3/8 in	1/16 in	1/4"-28	0.326 in	—	10	—	5WZY4
	3/8 in	G	1/4"-28	0.316 in	Heli-Coil	100	4CZX6	4GDN7
	1/2 in	1/16 in	1/4"-28	0.33 in	—	10	5UUE3	—
	1/2 in	1/16 in	1/4"-28	0.326 in	—	10	—	5WZY5
5/16"-24	1/2 in	G	1/4"-28	0.316 in	Heli-Coil	100	4CZX7	4GDN8
	1/4 in	2 1/4 in	5/16"-24	0.39 in	Heli-Coil	100	4DAD3	—
	5/16 in	2 1/4 in	5/16"-24	0.47 in	—	10	5UUE4	—
	5/16 in	2 1/4 in	5/16"-24	0.468 in	—	10	—	5WZY6
	5/16 in	2 1/4 in	5/16"-24	0.39 in	Heli-Coil	100	4DAD9	4GDP7
	15/32 in	2 1/4 in	5/16"-24	0.47 in	—	10	5UUE5	—
	15/32 in	2 1/4 in	5/16"-24	0.468 in	—	10	—	5WZY7
	15/32 in	2 1/4 in	5/16"-24	0.39 in	Heli-Coil	100	4DAD1	4GDP8
	5/8 in	2 1/4 in	5/16"-24	0.47 in	—	10	5UUE6	—
	5/8 in	2 1/4 in	5/16"-24	0.468 in	—	10	—	5WZY8
3/8"-24	5/8 in	2 1/4 in	5/16"-24	0.39 in	Heli-Coil	100	4DAD2	4GDP9
	25/32 in	2 1/4 in	5/16"-24	0.39 in	Heli-Coil	100	—	4GDR1
	15/16 in	2 1/4 in	5/16"-24	0.39 in	Heli-Coil	100	—	4GDR2
	3/8 in	2 5/6 in	3/8"-24	0.47 in	—	10	5UUE7	—
	3/8 in	2 5/6 in	3/8"-24	0.468 in	—	10	—	5WZY9
	9/16 in	2 5/6 in	3/8"-24	0.47 in	—	10	5UUE8	—
	9/16 in	2 5/6 in	3/8"-24	0.468 in	—	10	—	5WZZ0
	3/4 in	2 5/6 in	3/8"-24	0.458 in	Heli-Coil	12	4EYJ2	—
	3/4 in	2 5/6 in	3/8"-24	0.47 in	—	10	5UUE9	—
	3/4 in	2 5/6 in	3/8"-24	0.468 in	—	10	—	5WZZ1
1/2"-20	1/16 in	2 1/4 in	1/2"-20	0.55 in	—	10	5UUF0	—
	1/16 in	2 1/4 in	1/2"-20	0.549 in	—	5	—	5WZZ2
	25/32 in	2 1/4 in	1/2"-20	0.55 in	—	10	5UUF1	—
	25/32 in	2 1/4 in	1/2"-20	0.549 in	—	5	—	5WZZ3
	25/32 in	2 1/4 in	1/2"-20	0.537 in	Heli-Coil	6	4EYJ6	—
	7/8 in	2 1/4 in	1/2"-20	0.55 in	—	10	5UUF2	—
	7/8 in	2 1/4 in	1/2"-20	0.549 in	—	5	—	5WZZ4
	1/2 in	3 3/4 in	1/2"-20	0.62 in	—	5	5UUF3	—
	1/2 in	3 3/4 in	1/2"-20	0.617 in	—	5	—	5WZZ5
	3/4 in	3 3/4 in	1/2"-20	0.62 in	—	10	5UUF4	—
1/2"-20	3/4 in	3 3/4 in	1/2"-20	0.617 in	—	5	—	5WZZ6
	3/4 in	3 3/4 in	1/2"-20	0.605 in	Heli-Coil	6	4EYH3	—
	1 in	3 3/4 in	1/2"-20	0.62 in	—	10	5UUF5	—
	1 in	3 3/4 in	1/2"-20	0.617 in	—	5	—	5WZZ7
	9/16 in	3 1/4 in	9/16"-18	0.69 in	—	5	5WZH4	—
	9/16 in	3 1/4 in	9/16"-18	0.691 in	—	5	—	5WZZ8
	25/32 in	3 1/4 in	9/16"-18	0.69 in	—	5	5WZH5	—
	25/32 in	3 1/4 in	9/16"-18	0.691 in	—	5	—	5WZZ9
	25/32 in	3 1/4 in	9/16"-18	0.679 in	Heli-Coil	6	4EYJ7	—
	5/8 in	4 1/4 in	5/8"-18	0.76 in	—	5	5WZH6	—
5/8"-18	15/16 in	4 1/4 in	5/8"-18	0.76 in	—	5	5WZH7	—
	15/16 in	4 1/4 in	5/8"-18	0.758 in	—	5	—	5XAA1
	15/16 in	4 1/4 in	5/8"-18	0.746 in	Heli-Coil	6	4EYJ8	—
	3/4 in	4 5/8 in	3/4"-16	0.9 in	—	5	5WZH8	—
	3/4 in	4 5/8 in	3/4"-16	0.901 in	—	1	—	5XAA2
	3/4 in	4 5/8 in	3/4"-16	0.901 in	Heli-Coil	1	—	4EXK9
	1 1/8 in	4 5/8 in	3/4"-16	0.9 in	—	5	5WZH9	—
	1 1/8 in	4 5/8 in	3/4"-16	0.901 in	—	1	—	5XAA3
	1 1/8 in	4 5/8 in	3/4"-16	0.901 in	Heli-Coil	1	—	4EXK8
	7/8 in	5 1/4 in	7/8"-14	1.05 in	—	1	—	5WZJ0
7/8"-14	7/8 in	5 1/4 in	7/8"-14	1.051 in	—	1	—	5XAA4
	7/8 in	5 1/4 in	7/8"-14	1.051 in	Heli-Coil	1	—	4EXL2
	15/16 in	5 1/4 in	7/8"-14	1.05 in	—	1	—	5WZJ1
	15/16 in	5 1/4 in	7/8"-14	1.051 in	—	1	—	5XAA5
	15/16 in	5 1/4 in	7/8"-14	1.036 in	Heli-Coil	1	—	4EWT5

Thread Size	Overall Length	Drill Bit Size	Compatible Tap Size	Free Coil Diameter	Brand	Pkg. Qty.	Free-Running Item No.	Screw-Locking Item No.
1"-12	1 in	1 1/4 in	1"-12	1.2 in	—	1	5WZJ4	—
	1 in	1 1/2 in	1"-12	1.199 in	Heli-Coil	1	—	4EXL3
	1 1/2 in	1 1/4 in	1"-12	1.2 in	—	1	5WZJ5	—
	1 1/2 in	1 1/4 in	1"-12	1.184 in	Heli-Coil	1	—	4EWR7
	1 1/2 in	1 1/2 in	1"-12	1.199 in	Heli-Coil	1	—	4EXL4
	1 in	1 1/4 in	1"-14	1.199 in	—	1	5WZJ2	5XAA6
	1 1/2 in	1 1/4 in	1"-14	1.19 in	—	1	5WZJ3	—
	1 1/2 in	1 1/4 in	1"-14	1.171 in	Heli-Coil	1	—	4EWR8
	1 1/2 in	1 1/2 in	1"-14	1.186 in	Heli-Coil	1	—	4EXL6
	1 1/8 in	1 1/2 in	1 1/8"-12	1.33 in	—	1	5WZJ6	—
1 1/8"-12	1 1/8 in	1 1/4 in	1 1/8"-12	1.319 in	Heli-Coil	100	—	4GDK5
	1 1/8 in	1 1/2 in	1 1/8"-12	1.33 in	—	1	5WZJ7	—
	1 1/8 in	1 1/2 in	1 1/8"-12	1.319 in	Heli-Coil	1	—	4EWR4
	1 1/8 in	1 1/4 in	1 1/8"-12	1.319 in	Heli-Coil	100	—	4GDK6
	1 1/4 in	1 1/2 in	1 1/4"-12	1.47 in	—	1	5WZJ8	—
	1 1/4 in	1 1/2 in	1 1/4"-12	1.469 in	—	1	—	5XAC2
	1 1/4 in	1 1/4 in	1 1/4"-12	1.454 in	Heli-Coil	100	—	4GDK7
	1 1/8 in	1 1/2 in	1 1/8"-12	1.47 in	—	1	5WZJ9	—
	1 1/8 in	1 1/2 in	1 1/8"-12	1.469 in	—	1	—	5XAC3
	1 1/8 in	1 1/2 in	1 1/8"-12	1.454 in	Heli-Coil	1	—	4EWP9
1 1/4"-12	1 1/8 in	1 1/4 in	1 1/4"-12	1.454 in	Heli-Coil	100	—	4GDK8
	1 1/8 in	1 1/2 in	1 1/4"-12	1.593 in	Heli-Coil	1	—	4EWR9
	1 1/2 in	1 1/2 in	1 1/2"-12	1.75 in	—	1	5WZK0	—
	1 1/2 in	1 1/2 in	1 1/2"-12	1.745 in	—	1	—	5XAC4
	2 1/4 in	1 1/2 in	1 1/2"-12	1.727 in	Heli-Coil	1	—	4EWP4
	2 1/4 in	1 3/4 in	1 1/2"-12	1.727 in	Heli-Coil	100	—	4GDK9
	8 mm	8.30 mm	M8-1.00	12.4968 mm	—	10	5WZN0	5XAE0
	12 mm	8.30 mm	M8-1.00	12.4968 mm	—	10	5WZN1	5XAE1
	12 mm	2 1/4 in	M8-1.00	9.9822 mm	Heli-Coil	12	4EYL5	—
	16 mm	8.30 mm	M8-1.00	12.4968 mm	—	10	5WZN2	5XAE2
M8-1.00	10 mm	1 3/32 in	M10-1.00	12.4968 mm	—	10	5WZN6	—
	15 mm	1 3/32 in	M10-1.00	12.4968 mm	—	10	5WZN7	—
	15 mm	1 3/32 in	M10-1.00	12.2174 mm	Heli-Coil	12	4EYJ8	—
	20 mm	1 3/32 in	M10-1.00	12.4968 mm	—	10	5WZN8	—
	10 mm	1 3/32 in	M10-1.25	12.6492 mm	—	10	5WZN9	5XAE6
	15 mm	1 3/32 in	M10-1.25	12.6492 mm	—	10	5WZP0	5XAE7
	15 mm	1 3/32 in	M10-1.25	12.3698 mm	Heli-Coil	12	4EYJ9	—
	12 mm	3 1/4 in	M12-1.25	15.0114 mm	—	5	5WZP4	—
	18 mm	3 1/4 in	M12-1.25	15.0114 mm	—	5	5WZP5	5XAF1
	18 mm	3 1/4 in	M12-1.25	14.6558 mm	Heli-Coil	6	4EYK2	—
M10-1.00	24 mm	3 1/4 in	M12-1.25	15.0114 mm	—	5	5WZP6	—
	18 mm	4.88 in	M12-1.50	15.1892 mm	—	5	5WZP7	—
	18 mm	3 1/4 in	M12-1.50	14.605 mm	Heli-Coil	6	4EYK3	—
	21 mm	0.567 in	M14-1.50	17.2466 mm	—	5	5WZR1	5XAF5
	21 mm	9/16 in	M14-1.50	16.891 mm	Heli-Coil	6	4EYK5	—

Nitronic 60 Stainless Steel								
#10-32	3/16 in	#7	#10-32	0.246 in	Heli-Coil	100	—	4GDL8
	9/32 in	#7	#10-32	0.246 in	Heli-Coil	100	—	4GDN1
	3/8 in	#7	#10-32	0.246 in	Heli-Coil	100	4CZV9	4GDN2
	15/32 in	#7	#10-32	0.246 in	Heli-Coil	100	4CZV1	4GDN3
	9/16 in	#7	#10-32	0.246 in	Heli-Coil	100	4CZV2	4GDN4
	1/4 in	G	1/4"-28	0.316 in	Heli-Coil	100	—	4GDP4
	3/8 in	G	1/4"-28	0.316 in	Heli-Coil	100	—	4GDP5
	1/2 in	G	1/4"-28	0.316 in	Heli-Coil	100	—	4GDP6
	5/8 in	2 1/4 in	5/8"-24	0.39 in	Heli-Coil	100	—	4GDR8
	15/32 in	2 1/4 in	5/8"-24	0.39 in	Heli-Coil	100	—	4GDR9
	3/4 in	2 1/4 in	5/8"-24	0.39 in	Heli-Coil	100	—	4GDT1

NPT								
18-8 Stainless Steel								
1/8"-27	1/8 in	W	1/8"-27	0.511 in	—	10	5WZK1	—
	1/8 in	U	1/8"-27	0.499 in	Heli-Coil	12	4EYH6	—
	1/4 in	2 5/6 in	3/4"-18	0.68 in	—	10	5WZK2	—
	3/8 in	1 3/32 in	1/2"-18	0.828 in	—	10	5WZK3	—
	1/2 in	1 3/32 in	1/2"-18	1.035 in	—	5	5WZK4	—

Screw Thread Insert Taps HeliCoil®

STI taps are oversized from standard taps to allow for the wire insert once installed. High-speed, steel intermediate (plug) lead taps cut threads to a precise dimension.

Note: Additional sizes are available; go to Grainger.com.

Size	Pitch	Thread Length	Shank Dia.	Overall Length	Pitch Dia. Limits	Mfr. Model	Brand	Item No.
UNC								
#4	40	1 1/16 in	9/64 in	2 in	H1	04CPB	Heli-Coil	4EYT8
#6	32	7/8 in	3/16 in	2 3/8 in	H2	06CPB	Heli-Coil	4EYN1
#8	32	19/16 in	7/32 in	2 3/8 in	H2	2CPB	Heli-Coil	4EYN3
1/4"	20	1 1/8 in	9/16 in	2 23/32 in	H2	4CPB	Heli-Coil	4EYN9
	20	1 1/8 in	9/16 in	2 23/32 in	H3	43045	Recoil	2G948
5/16"	18	1 1/4 in	3/8 in	2 19/16 in	H3	5CPB	Heli-Coil	4EYU1
	18	1 1/4 in	3/8 in	2 19/16 in	H3	43055	Recoil	2G950
3/8"	16	1 21/32 in	23/64 in	3 3/8 in	H3	6CPB	Heli-Coil	4EYT4
	16	1 21/32 in	23/64 in	3 9/32 in	H3	43065	Recoil	2G952
7/16"	14	1 21/32 in	21/64 in	3 3/16 in	H3	7CPB	Heli-Coil	4EYU7
	13	1 13/16 in	19/32 in	3 13/16 in	H3	8CPB	Heli-Coil	4EYN5
1/2"	13	1 13/16 in	19/32 in	3 7/8 in	H3	43085	Recoil	2G954
	13	1 13/16 in	19/32 in	3 7/8 in	H3	43105	Recoil	2G956
5/8"	0.50mm	2 in	1 1/32 in	4 3/4 in	H3	8187-10	Heli-Coil	4EYU3
	0.50mm	2 in	1 1/32 in	4 1/2 in	H3	8187-12	Recoil	2G958
3/4"	0.60mm	2 1/2 in	1 3/64 in	4 1/16 in	H3	8187-12	Heli-Coil	4EYU3
	0.60mm	2 1/2 in	1 1/16 in	4 1/16 in	H3	8187-12	Heli-Coil	4EY11
7/8"	0.70mm	2 1/2 in	1 5/64 in	5 1/8 in	H3	8187-14	Heli-Coil	4EYV1
1"	0.80mm	2 3/8 in	1 1/64 in	5 3/4 in	H4	8187-16	Heli-Coil	4EYR7
1 1/4"	1.00mm	3 in	1 1/32 in	6 3/8 in	H4	8187-20	Heli-Coil	4EYP8
1 3/8"	1.25mm	3 3/8 in	1 19/64 in	6 1/16 in	H6	8187-22	Heli-Coil	4EYR6