

# Helical Wire Thread Inserts **HeliCoil**

Free-running and locking internal designs are different. Nitronic® 60 stainless steel inserts are a lower-cost alternative to cobalt-bearing and high nickel alloy, with better corrosion resistance than Type 304 in most media, better chloride pitting resistance than Type 316, and nearly twice the yield strength of Types 304 and 316. Screw thread insert taps sold separately on page 2141.

**Free-Running**—Greater in diameter than tapped hole; compress when installed. Inserts evenly distribute load and stress.

**Screw Locking**—Eliminates backout of installed fastener from stress and vibration. Locking torque is retained over numerous assembly cycles.



Internal Thread Size	Length*	Free Coil Dia.	Drill Size	Insert Tap	Brand	Pkg. Qty.	INSERTS		Pkg. Qty.	INSERTS		
							FREE RUNNING Item No.	SCREW LOCKING Item No.		FREE RUNNING Item No.	SCREW LOCKING Item No.	
<b>UNC</b>												
<b>304 Stainless Steel</b>												
2-56	0.086 in	0.115 in	3/32 in	4EYR9	Heli-Coil	100	4CZ25	4GDC2	5	5UUC4	5WZV5	
	0.129 in	0.115 in	3/32 in	4EYR9	Heli-Coil	100	4CZ26	4GDC3	100	4DAD4	—	
4-40	0.172 in	0.115 in	3/32 in	4EYR9	Heli-Coil	100	4CZ27	4GDC4	6	4EYG6	—	
	0.086 in	0.119 in	#41	4EYR9	—	10	5UTX8	5WZT1	5	5UUC6	—	
5-40	0.129 in	0.119 in	#41	4EYR9	—	10	5UTX9	5WZT2	1	—	5WZV7	
	0.112 in	0.151 in	#31	4EY18	Heli-Coil	100	4DAA5	—	5	—	4EYX7	
6-32	0.168 in	0.151 in	#31	4EY18	Heli-Coil	100	4DAA6	4GDD3	1	—	5WZV8	
	0.168 in	0.151 in	#31	4EY18	Heli-Coil	100	4EYG5	—	5	5UUC7	—	
8-32	0.224 in	0.151 in	#31	4EY18	Heli-Coil	100	4DAA7	4GDD4	1	—	4EYX8	
	0.112 in	0.159 in	#31	4EY18	—	10	5UTY0	5WZT3	4	4EYG4	—	
10-24	0.168 in	0.159 in	#31	4EY18	—	10	5UTY1	5WZT4	1	—	4EYX9	
	0.224 in	0.159 in	#31	4EY18	—	10	5UTY2	5WZT5	1	5UUC8	—	
12-24	0.188 in	0.166 in	#29	4EYU6	Heli-Coil	12	4EYG7	—	1	—	5WZV9	
	0.125 in	0.173 in	#29	4EYU6	—	10	5UTY3	5WZT6	1	5UUC9	—	
14-20	0.188 in	0.173 in	#29	4EYU6	—	10	5UTY4	5WZT7	1	—	5WZX0	
	0.25 in	0.173 in	#29	4EYU6	—	10	5UTY5	5WZT8	1	4EWT6	4EYG2	
16-24	0.138 in	0.185 in	#26	4EYN1	Heli-Coil	100	4DAD6	4GDE2	1	—	4EYG1	
	0.173 in	0.185 in	#26	4EYN1	Heli-Coil	100	4GDE3	—	1	4EWT2	4EYG3	
18-24	0.207 in	0.185 in	#26	4EYN1	Heli-Coil	100	4DAD7	4GDE4	1	—	4EWT3	
	0.207 in	0.185 in	#26	4EYN1	Heli-Coil	100	4EYH8	—	1	5UUD0	5WZX1	
20-24	0.276 in	0.185 in	#26	4EYN1	Heli-Coil	100	4DAD8	4GDE5	1	—	4EWT4	
	0.138 in	0.193 in	#25	4EYN1	—	10	5UTY6	5WZT9	1	4EWR5	4EYG6	
22-24	0.207 in	0.193 in	#25	4EYN1	—	10	5UTY7	5WZU0	1	5UUD2	5WZX3	
	0.276 in	0.193 in	#25	4EYN1	—	10	5UTY8	5WZU1	1	5UUD3	5WZX4	
24-24	0.164 in	0.212 in	#17	4EYN3	Heli-Coil	100	4CZV3	4GDF3	1	—	4EYX7	
	0.246 in	0.212 in	#17	4EYN3	Heli-Coil	100	4CZV4	4GDF4	1	4EWR3	5WZX5	
26-24	0.246 in	0.212 in	#17	4EYN3	Heli-Coil	100	4EYG9	—	1	5UUD5	5WZX6	
	0.328 in	0.212 in	#17	4EYN3	Heli-Coil	100	4CZV5	4GDF5	1	4EWT1	—	
28-24	0.164 in	0.22 in	1/64 in	4EYN3	—	10	5UTY9	5WZU2	1	4EWR8	—	
	0.246 in	0.22 in	1/64 in	4EYN3	—	10	5UTZ0	5WZU3	1	5UUD6	—	
30-24	0.328 in	0.22 in	1/64 in	4EYN3	—	10	5UTZ1	5WZU4	1	—	5WZX7	
	0.19 in	0.251 in	1/64 in	4EYP3	Heli-Coil	100	4CZY2	4GDG3	1	5UUD7	—	
32-24	0.285 in	0.251 in	1/64 in	4EYP3	Heli-Coil	100	4CZY3	4GDG4	1	—	5WZX8	
	0.285 in	0.251 in	1/64 in	4EYP3	Heli-Coil	100	4EYH7	—	1	—	—	
34-24	0.38 in	0.251 in	1/64 in	4EYP3	Heli-Coil	100	4CZY4	4GDU5	1	—	—	
	0.19 in	0.259 in	1/64 in	4EYP3	—	10	5UTZ2	5WZU5	1	—	—	
36-24	0.285 in	0.259 in	1/64 in	4EYP3	—	10	5UTZ3	5WZU6	1	—	—	
	0.38 in	0.259 in	1/64 in	4EYP3	—	10	5UTZ4	5WZU7	1	—	—	
38-24	0.324 in	0.276 in	#1	4EYR4	Heli-Coil	12	4EYH9	—	1	—	—	
	0.216 in	0.283 in	1/64 in	4EYR4	—	10	5UTZ5	—	1	—	—	
40-24	0.324 in	0.283 in	1/64 in	4EYR4	—	10	5UTZ6	—	1	—	—	
	0.25 in	0.32 in	H	4EYN9	Heli-Coil	100	4CZV8	4GDH3	1	—	—	
42-24	0.375 in	0.32 in	H	4EYN9	Heli-Coil	100	4CZV9	4GDH4	1	—	—	
	0.375 in	0.32 in	H	4EYN9	Heli-Coil	100	4EYH5	—	1	—	—	
44-24	0.5 in	0.32 in	H	4EYN9	Heli-Coil	100	4CZK1	4GDH5	1	—	—	
	0.75 in	0.32 in	H	4EYN9	Heli-Coil	100	4CZK2	—	1	—	—	
46-24	0.25 in	0.33 in	1/64 in	4EYN9	—	10	5UTZ7	5WZU8	1	—	—	
	0.375 in	0.33 in	1/64 in	4EYN9	—	10	5UTZ8	5WZU9	1	—	—	
48-24	0.5 in	0.33 in	1/64 in	4EYN9	—	10	5UTZ9	5WZU0	1	—	—	
	0.312 in	0.39 in	Q	4EYU1	Heli-Coil	100	4DAD6	4GDJ4	1	—	—	
50-24	0.469 in	0.39 in	Q	4EYU1	Heli-Coil	100	4DAD7	4GDJ5	1	—	—	
	0.469 in	0.39 in	Q	4EYU1	Heli-Coil	100	4EYJ3	—	1	—	—	
52-24	0.625 in	0.39 in	Q	4EYU1	Heli-Coil	100	4DAD8	4GDJ6	1	—	—	
	0.312 in	0.4 in	2/64 in	4EYU1	—	10	5UUA0	5WZV1	1	—	—	
54-24	0.468 in	0.4 in	2/64 in	4EYU1	—	10	5UUA1	5WZV2	1	—	—	
	0.625 in	0.4 in	2/64 in	4EYU1	—	10	5UUA2	5WZV3	1	—	—	
56-24	0.375 in	0.462 in	X	4EY14	Heli-Coil	100	4DAA2	—	1	—	—	
	0.562 in	0.462 in	X	4EY14	Heli-Coil	100	4DAA3	4GDK4	1	—	—	
58-24	0.562 in	0.462 in	X	4EY14	Heli-Coil	12	4EYJ1	—	1	—	—	
	0.75 in	0.462 in	X	4EY14	Heli-Coil	100	4DAA4	—	1	—	—	
60-24	0.375 in	0.472 in	2/64 in	4EY14	—	10	5UUA3	5WZV4	1	—	—	
	0.75 in	0.472 in	2/64 in	4EY14	—	10	5UUA5	5WZV6	1	—	—	
62-24	0.438 in	0.539 in	2/64 in	4EYU7	Heli-Coil	100	4DAE5	—	1	—	—	
	0.656 in	0.539 in	2/64 in	4EYU7	Heli-Coil	6	4EYJ5	—	1	—	—	
64-24	0.438 in	0.551 in	2/64 in	4EYU7	—	10	5UUA6	—	1	—	—	
	0.438 in	0.551 in	2/64 in	4EYU7	—	5	—	5WZV7	1	—	—	
66-24	0.656 in	0.551 in	2/64 in	4EYU7	—	10	5UUA7	—	1	—	—	
	0.656 in	0.551 in	2/64 in	4EYU7	—	5	—	5WZV8	1	—	—	
68-24	0.875 in	0.551 in	2/64 in	4EYU7	—	10	5UUA8	—	1	—	—	
	0.875 in	0.551 in	2/64 in	4EYU7	—	5	—	5WZV9	1	—	—	
70-24	0.5 in	0.61 in	3/64 in	4EYN5	Heli-Coil	100	4CZV4	—	1	—	—	
	0.75 in	0.61 in	3/64 in	4EYN5	Heli-Coil	100	4CZV5	—	1	—	—	
72-24	0.75 in	0.61 in	3/64 in	4EYN5	Heli-Coil	6	4EYH2	—	1	—	—	
	1 in	0.61 in	3/64 in	4EYN5	Heli-Coil	100	4CZV3	—	1	—	—	
74-24	0.5 in	0.622 in	3/64 in	4EYN5	—	10	5UUA9	—	1	—	—	
	0.5 in	0.622 in	3/64 in	4EYN5	—	5	—	5WZV0	1	—	—	
76-24	0.75 in	0.622 in	3/64 in	4EYN5	—	10	5UUC0	—	1	—	—	
	0.75 in	0.622 in	3/64 in	4EYN5	—	5	—	5WZV1	1	—	—	
78-24	0.938 in	0.622 in	3/64 in	4EYU3	—	5	5UUC5	5WZV6	1	—	—	
	1 in	0.622 in	3/64 in	4EYU3	—	5	5UUC1	—	1	—	—	
80-24	1 in	0.622 in	3/64 in	4EYU3	—	5	—	5WZV2	1	—	—	
	0.844 in	0.682 in	1/32 in	4EYV3	Heli-Coil	6	4EYH1	—	1	—	—	
82-24	0.562 in	0.694 in	1/32 in	4EYV3	—	5	5UUC2	5WZV3	1	—	—	
	0.844 in	0.694 in	1/32 in	4EYV3	—	5	5UUC3	5WZV4	1	—	—	
84-24	0.562 in	0.742 in	2/64 in	4EY14	—	10	5UUA4	5WZV5	1	—	—	

Internal Thread Size	Length*	Free Coil Dia.	Drill Size	Insert Tap	Brand	Pkg. Qty.	FREE RUNNING Item No.	SCREW LOCKING Item No.
3/8-11	0.625 in	0.742 in	2 1/2 in	4EYU3	—	5	5UUC4	5WZV5
	0.938 in	0.754 in	2 1/2 in	4EYU3	Heli-Coil	100	4DAD4	—
1/2-10	0.75 in	0.881 in	2 1/2 in	4EY11	—	5	5UUC6	—
	0.75 in	0.881 in	2 1/2 in	4EY11	—	1	—	5WZV7
3/4-10	1.125 in	0.881 in	2 1/2 in	4EY11	—	5	5UUC7	—
	0.75 in	0.893 in	2 1/2 in	4EY11	Heli-Coil	1	—	4EYX9
7/8-9	1.125 in	0.893 in	2 1/2 in	4EY11	Heli-Coil	4	4EYG4	—
	0.75 in	0.893 in	2 1/2 in	4EY11	Heli-Coil	1	—	4EYX8
1-8	0.875 in	1.022 in	2 1/2 in	4EY11	—	1	5UUC8	—
	0.875 in	1.022 in	2 1/2 in	4EY11	—	1	—	5WZV9
1 1/8-7	1.313 in	1.022 in	2 1/2 in	4EY11	—	1	5UUC9	—
	1.313 in	1.022 in	2 1/2 in	4EY11	—	1	—	5WZX0
1 1/4-7	0.875 in	1.037 in	2 1/2 in	4EY11	Heli-Coil	1	—	4EYG2
	1.313 in	1.037 in	2 1/2 in	4EY11	Heli-Coil	1	4EWT6	4EYG1
1 1/2-6	1 in	1.181 in	1 1/2 in	4EYR8	Heli-Coil	1	—	4EYG3
	1.5 in	1.181 in	1 1/2 in	4EYR8	Heli-Coil	1	4EWT2	4EYG4
1 3/8-6	1 in	1.196 in	1 1/2 in	4EYR8	—	1	5UUD0	5WZX1
	1.5 in	1.196 in	1 1/2 in	4EYR8	—	1	5UUD1	