

304 SS & CARBON TAPPERS

Self tapping fasteners for applications requiring extra corrosion protection.



Applications

-  Clips to structural or bar joist.
-  Longer length fasteners can be used in retrofit clip & sheet applications.
-  Coastal applications. (Stainless Steel Only)
-  Liner panels to structural steel or bar joist.

Product Features

-  304 Stainless Steel for added corrosion protection.
-  Engineered for fast and smooth tapping with less effort.
-  Vulcanized bonding of washer eliminates separation.

Product Specifications

Material	304 Stainless Steel or Carbon Steel
Diameter	#14, #17
Thread Form	14 - 10 17 - 9
Head Style	3/8" AF HWH
Point	Type A
Finish	Carbon = Electro Zinc Stainless = Electro Zinc

Head Style



Hex head with bonded washer

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PRODUCT REPORT No. 040601

Selector Guide



Carbon Steel Electro Zinc Part #	304 Series Electro Zinc Part #	Description	Carbon Steel Box Qty.	304 SS Box Qty.
1874200	1863000	14 x 3/4" HWH W/ BD Type A Tappers	2,500	2,500
1875200	1864000	14 x 1" HWH W/ BD Type A Tappers	2,500	2,500
1877200	1866000	14 x 1-1/2" HWH W/ BD Type A Tappers	2,000	2,000
1879200	--	14 x 2" HWH W/ BD Type A Tappers	1,500	1,500
1880200	--	14 x 2-1/2" HWH W/ BD Type A Tappers	1,000	1,000
1881200	--	14 x 3" HWH W/ BD Type A Tappers	1,000	750
1886200	--	17 x 3/4" HWH W/ BD Type A Tappers	2,500	2,000
1887200	--	17 x 1" HWH W/ BD Type A Tappers	--	2,000

Performance Data

with Bonded Washer		PULLOUT VALUES (avg. lbs ultimate)							
		Gauge	26	24	22	20	18	16	14
Fastener		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
14	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	3/16"	#7	#7
			191	252	336	371	545	694	884
Fastener		Gauge	26	24	22	20	18	16	14
Fastener		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
17	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	#2	#2	1/4"
			263	307	425	475	559	791	

with Bonded Washer		PULLOVER VALUES (avg. lbs ultimate)							
		Gauge	26	24	22	20	18	16	14
Fastener		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
14	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	3/16"	#7	#7
			595	827	1093	1341	1931	2229	2696
Fastener		Gauge	26	24	22	20	18	16	14
Fastener		Thickness	0.018	0.024	0.030	0.036	0.048	0.060	0.075
17	Type A	Drill Size	1/8"	5/32"	5/32"	3/16"	#2	#2	1/4"
			565	792	970	1100	1556	1813	2065

with Bonded Washer		SHEAR VALUES (avg. lbs ultimate)					
		Gauge	26-14	24-14	22-14	20-14	18-14
Fastener		Drill Size	#7	#5	#2	#2	0.234"
14	Type A		534	704	863	1245	2120
		Fastener	Gauge	26-18	24-18	22-14	20-14
17	Type A	Drill Size	#2	1/4"	1/4"	1/4"	1/4"
			454	1013	1264	1544	1294

304 SS FASTENER VALUES (avg. lbs ultimate)			
Fastener (dia-tpi)	Tensile (lbs min.)	Shear (avg. lbs ult.)	Torque (min. in lbs)
14-10	2684	2148	127
17-9	N/A	N/A	229

CARBON STEEL FASTENER VALUES (avg. lbs ultimate)			
Fastener (dia-tpi)	Tensile (lbs min.)	Shear (avg. lbs ult.)	Torque (min. in lbs)
14-10	4060	2600	150
17-9	5000	2750	173

Tools and Techniques

- A standard screwgun with a depth sensitive nosepiece should be used to install Tappers. For optimal fastener performance, the screwgun should be a minimum of 6 amps and have an RPM range of 0-2500.
- Adjust the screwgun nosepiece to properly seat the fastener.
- New magnetic sockets must be correctly set before use. Remove chip build-up as needed.
- The fastener is fully seated when the head is flush with the work surface.
- Overdriving may result in torsional failure of the fastener or stripout of the substrate.
- The fastener must penetrate beyond the metal structure a minimum of 3 pitches of thread.



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