

Hex Washer Head Self Drill Point Screw

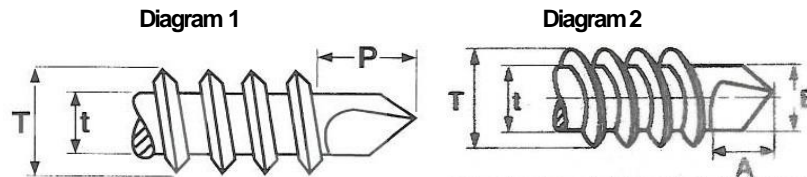
Zinc Plated

Product Specifications



PRODUCT FEATURES

- Zinc plated



Drill Point Specification (Diagram 1)

Screw Diameter	Threads Per Inch	T		t		P		Min Practical Nominal Screw Lengths - Formed Points				Min Torsional Strength Lb./In. Steel Screws Only	
		Major Diameter r		Minor Diameter		Protrusion Allowance		90° Head #2 Pt.		CSK Head #3 Pt.			
		Min	Max	Min	Max	#2 Point	#3 Point	90° Head #2 Pt.	CSK Head #3 Pt.	90° Head #2 Pt.	CSK Head #3 Pt.		
4	0.1120	24	.110	.114	.082	.086	.163	n/a	5/16	3/8	n/a	n/a	14
6	0.1380	20	.135	.139	.099	.104	.190	.220	5/16	3/8	3/8	7/16	24
7	0.1510	19	.146	.153	.109	.113	.137	.157	5/16	3/8	3/8	7/16	-
8	0.1640	18	.161	.166	.116	.122	.211	.251	3/8	7/16	4/16	1/2	42
10	0.1900	16	.183	.189	.135	.141	.235	.300	7/16	1/2	1/2	9/16	61
12	0.2160	14	.209	.215	.157	.164	.283	.353	1/2	5/8	1/2	5/8	92
1/4	.2500	14	.240	.246	.185	.192	.318	.393	1/2	5/8	1/2	5/8	150

5/16" and 3/8" diameter are #3 Point (Diagram 2)											Self-Drilling Screw Selection Chart*			
Screw Diameter	Threads Per Inch	T		t		A		B		Screw Size	Point #	Panel Thickness, In. Min-Max		
		Major Diameter r		Minor Diameter		Drill Point Length		Penetrating Gauging Depth						
		Min	Max	Min	Max	Min	Max	Min	Max					
5/16	.3125	12	0.307	0.315	0.263	0.272	0.361	0.421	0.265	0.270	12	3	0.110	0.210
3/8	.3750	12	0.370	0.380	0.298	0.308	0.314	0.354	0.330	0.338	1/4	3	0.110	0.220

Material	AISI 1016 -1024 or equivalent Steel or Stainless Austenitic 188 or 410 Stainless Steel
Heat Treatment	Steel -Quenched in liquid and tempered by reheating to 625°F minimum. Stainless Steel 410 tempered by heating to 1800F-1900F Held for min of 30 minutes. Reheated to 500F-600F for 60 minutes. Then air cooled.
Core Hardness	Steel -Rockwell C32 -C40 Stainless Steel 410 -Rockwell C38 -C42 Stainless Steel 188-Rockwell B90 -C25
Case Depth	No. 4 and No. 6 diameter .002 -.007 No. 8 -No. 12 .004 -.009 1/4" and larger .005 -.011

Warranty: See warranty information for more details.

All dimensions listed are nominal. MAINLINE® reserves the right to make product and material changes at any time without notice.

Contact your sales representative for more information or visit our website at mainlinecollection.com

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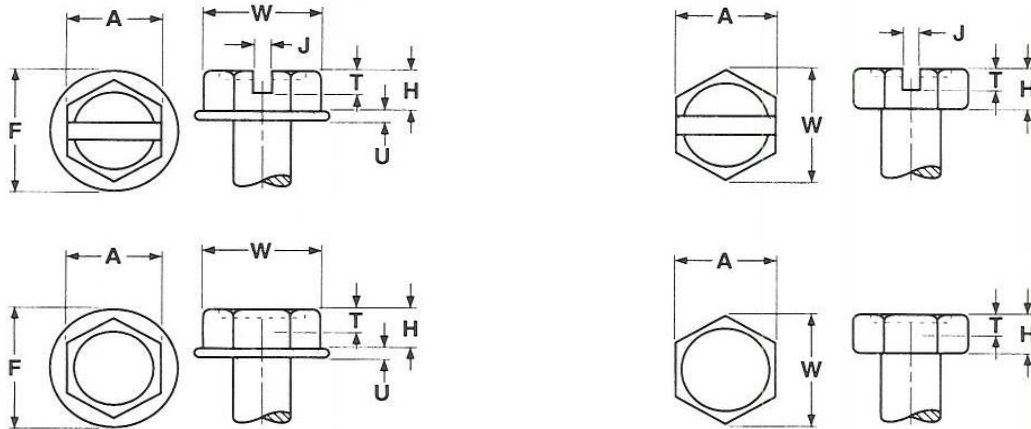
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Head Dimensions and Specifications

Screw Diameter	Minimum Torsional Strength, Lb. Steel Screws Only	Hex Chuck Size	A		W	H		F		U		J		T		
			Width Across Flats		Width Across Corners	Head Height		Diameter of Washer		Thickness of Washer		Width of Slot		Depth of Slot		
			Min	Max	Min	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
6	0.1380	24	1/4	.244	.250	.272	.080	.093	.302	.328	.015	.025	.039	.048	.033	.046
7	0.1510	30	1/4	.244	.250	.272	.080	.093	.302	.328	.017	.029	.039	.048	.040	.054
8	0.1640	39	1/4	.244	.250	.272	.096	.110	.322	.348	.019	.031	.045	.054	.052	.066
10	0.1900	48	5/16	.305	.312	.340	.105	.120	.384	.414	.019	.031	.050	.060	.057	.072
12	0.2160	83	5/16	.305	.312	.340	.139	.155	.398	.432	.022	.039	.056	.067	.077	.093
14	0.2420	125	3/8	.367	.375	.409	.172	.190	.480	.520	.030	.050	.064	.075	.083	.101
1/4	.2500	142	3/8	.367	.375	.409	.172	.190	.480	.520	.030	.050	.064	.075	.083	.101

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