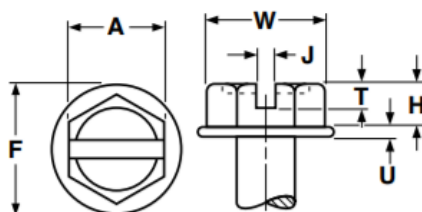


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HEX HEAD SLOTTED MACHINE SCREW – STEEL-ZINC

The following Specification Sheet applies to all **Hex Head Slotted Machine Screw – Steel-Zinc** in our **JHHMS** series.



HEX WASHER HEADS FOR MACHINE SCREWS													ASME B18.6.3-2002
Nominal Size	A		W	H		F		U		J		T	
	Width Across Flats		Width Across Corners	Height of Head		Diameter of Washer		Thickness of Washer		Width of Slot		Depth of Slot	
	Max	Min	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
6	.250	.244	.272	.093	.080	.328	.302	.025	.015	.048	.039	.053	.033
10	.312	.305	.340	.120	.105	.414	.384	.031	.019	.060	.050	.080	.057
12	.312	.305	.340	.155	.139	.432	.398	.039	.022	.067	.056	.103	.077
1/4	.375	.367	.409	.190	.172	.520	.480	.050	.030	.075	.064	.111	.083
5/16	.500	.489	.545	.230	.208	.676	.624	.055	.035	.084	.072	.134	.100
3/8	.562	.551	.614	.295	.270	.780	.720	.063	.037	.094	.081	.168	.131

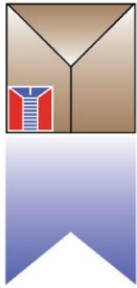
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229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358



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THREAD DIMENSIONS

EXTERNAL THREADS FOR MACHINE SCREWS AND SEMS									ASME B 1.1
Nominal Size & Threads per Inch	Series Designation	Allowance	Major Diameter		Pitch Diameter			Stress Area, in ²	Tensile Strength, ^a lb., min.
			Max	Min	Max	Min	Tolerance		
6-32 0.138	UNC	.0008	.1372	.1312	.1169	.1141	.0028	0.00909	550
8-32 0.164	UNC	.0009	.1631	.1571	.1428	.1399	.0029	0.0140	850
10-32 0.190	UNF	.0009	.1891	.1831	.1688	.1658	.0030	0.0200	1200
12-24 0.216	UNC	.0010	.2150	.2078	.1879	.1845	.0034	0.0242	1450
1/4-20 0.250	UNC	.0011	.2489	.2408	.2164	.2127	.0037	0.0318	1900
5/16-18 0.312	UNC	.0012	.3113	.3026	.2752	.2712	.0040	0.0524	3150
3/8-16 0.375	UNC	.0013	.3737	.3643	.3331	.3287	.0044	0.0775	4650
Tolerance on Length L	Nominal Screw Size	Nominal Screw Length							
		Up to 1/2 in., incl.	Over 1/2 to 1 in., incl.	Over 1 to 2 in., incl.	Over 2 in.				
	0 thru 12	-0.02	-0.03	-0.06	-0.09				
	1/4 thru 3/4	-0.03	-0.03	-0.06	-0.09				

^aTensile strength values are based on 60,000 psi. and apply to carbon steel screws and SEMS only. Hex and Hex Washer head machine screws of sufficient length may be wedge tensile tested. Other head styles may be axial tensile tested.

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