

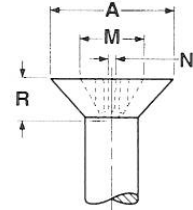
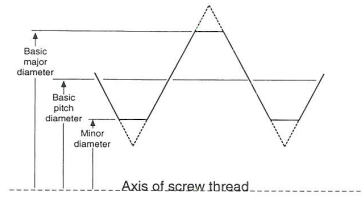


Atlanta, Georgia

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Flat Head Machine Screw 80°



Peco Catalog#	Size and Threads Per Inch	Series Designation	Allowance	Major Diameter		Pitch Diameter			Tensile Strength, lb. Min**	Stress Area Inches ²	A		H		J		T		M R N			F		Gaging Diameter	Phillips Bit Size
				Min	Max	Min	Max	Tolerance			Head Diameter	Head Height	Slot Width	Slot Depth	Dimension of Recess			Protrusion Above Gaging Diameter							
											Min	Max	Min	Max	Min	Max	Min	Max	Diamet	Depth	Width	Min	Max		
	4-40	0.112 UNC	.0008	.1061	.1112	.0925	.0950	.0025	360	0.00604	.191	.212	.055	.067	.031	.039	.020	.030	.105	.072	.019	.019	.032	.172	1
	5-40	0.125 UNC	.0008	.1191	.1242	.1054	.1080	.0026	470	0.00796	.215	.237	.062	.075	.035	.043	.022	.034	.141	.074	.027	.020	.034	.196	2
	6-32	0.138 UNC	.0008	.1312	.1372	.1141	.1169	.0028	550	0.00909	.238	.262	.069	.083	.039	.048	.024	.038	.149	.084	.027	.021	.036	.220	2
	8-32	0.164 UNC	.0009	.1571	.1631	.1399	.1428	.0029	850	0.0140	.285	.312	.084	.100	.045	.054	.029	.045	.165	.101	.030	.023	.039	.267	2
See Section Three of Our Catalog	10-24	0.190 UNC	.0010	.1818	.1890	.1586	.1619	.0033	1050	0.0175	.333	.362	.098	.116	.050	.060	.034	.053	.182	.119	.031	.025	.042	.313	2
	10-32	0.190 UNF	.0009	.1831	.1891	.1658	.1688	.0030	1200	0.0200	.333	.362	.098	.116	.050	.060	.034	.053	.182	.119	.031	.025	.042	.313	2
	12-24	0.216 UNC	.0010	.2078	.2150	.1845	.1879	.0034	1450	0.0242	.380	.412	.112	.132	.056	.067	.039	.060	.236	.125	.032	.027	.045	.362	3
	1/4-20	0.250 UNC	.0011	.2408	.2489	.2127	.2164	.0037	1900	0.0318	.442	.477	.131	.153	.064	.075	.046	.070	.255	.147	.034	.029	.050	.424	3
	1/4-28	0.250 UNF	.0010	.2425	.2490	.2225	.2258	.0033	2200	0.0364	.442	.477	.131	.153	.064	.075	.046	.070	.255	.147	.034	.029	.050	.424	3
	5/16-18	0.312 UNC	.0012	.3026	.3113	.2712	.2752	.0040	3150	0.0524	.556	.597	.165	.191	.072	.084	.058	.088	.295	.187	.040	.034	.057	.539	4
	3/8-16	0.375 UNC	.0013	.3643	.3737	.3287	.3331	.0044	4650	0.0775	.670	.717	.200	.230	.081	.094	.070	.106	.374	.228	.064	.039	.065	.653	4
	1/2-13	0.500 UNC	.0015	.4876	.4985	.4435	.4485	.0050	8500	0.1419	.765	.815	.186	.223	.091	.106	.065	.103	.403	.256	.068	.049	.081	.739	4
Tolerance on Length L		Screw Size		Screw Length																					
				Up To 1/2"		Over 1/2" to 1"		Over 1" to 2"		Over 2"															
		4 - 12		-0.02		-0.03		-0.06		-0.09															
		1/4 - 3/4		-0.03		-0.03		-0.06																	

**Tensile strength is based off of 60,000 psi. and only apply to carbon steel screws. Hex and Hex Washer Head machine screws of adequate length may be wedge tensile tested. Other head styles can be axial tensile tested.

ANSI B18.6.3

Material	AISI 1006 - 1022 or equivalent Steel or Stainless SAE 18-8 Stainless Steel Passivated
Hardness	Steel: Rockwell B70 - B100 - Stainless: Rockwell B85 - B95
Tensile Strength	Size 4 and 5 diameter and lengths shorter than 1/2" are not subject to tensile testing. Steel: 60,000 psi. minimum - Stainless: 80,000 psi minimum

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