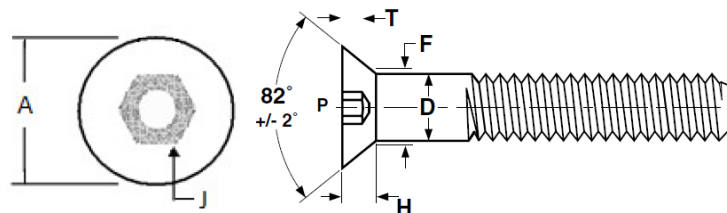


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FLAT HEAD HEX PIN TAMPER-RESIST MACHINE SCREW – 18-8 STAINLESS STEEL

The following Specification Sheet applies to all **Flat Head Hex Pin Tamper-Resist Machine Screw – 18-8 Stainless Steel** in our **TP1** series.



Size	ds		A		H	J	t	D
	Body Diameter		Head Diameter		Head Height	Hexagon Socket Size	Key Engagement	Tamper Resistant Diameter
	Max.	Min.	Theo. Sharp Max.	Abs. Min.	Ref.	Nominal	Min.	Ref.
6	.1380	.1329	.307	.263	.097	.078	.066	.029
8	.1640	.1585	.359	.311	.112	.094	.076	.029
10	.1900	.1840	.411	.359	.127	.125	.087	.054
1/4	.2500	.2435	.531	.480	.161	.156	.111	.079
5/16	.3125	.3035	.656	.600	.198	.188	.135	.103
3/8	.3750	.3678	.781	.720	.234	.219	.159	.103
1/2	.5000	.4919	.938	.872	.251	.312	.172	.139
5/8	.6250	.6163	.188	.112	.324	.375	.220	.179

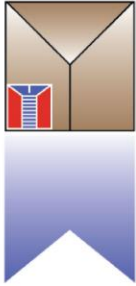
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THREAD DIMENSIONS

2A EXTERNAL THREADS FOR MACHINE SCREWS AND SEMS									ASME B 1.1 (2002)
Nominal Size & Threads per Inch	Series Designation	Allowance	Major Diameter		Pitch Diameter			Stress Area, in²	Tensile Strength, ^a lb., min. (STEEL screws only)
			Max	Min	Max	Min	Tolerance		
0-80 0.060	UNF	.0005	.0595	.0563	.0514	.0496	.001762	0.00180	-
1-64 0.073	UNC	.0006	.0724	.0686	.0623	.0603	.001970	0.00263	-
1-72 0.073	UNF	.0006	.0724	.0689	.0634	.0615	.001899	0.00278	-
2-56 0.086	UNC	.0006	.0854	.0813	.0738	.0717	.002127	0.00370	-
2-64 0.086	UNF	.0006	.0854	.0816	.0753	.0733	.002040	0.00394	-
3-48 0.099	UNC	.0007	.0983	.0938	.0848	.0825	.002302	0.00487	-
3-56 0.099	UNF	.0007	.0983	.0942	.0867	.0845	.002191	0.00523	-
4-40 0.112	UNC	.0008	.1112	.1061	.0950	.0925	.002507	0.00604	360
4-48 0.112	UNF	.0007	.1113	.1068	.0978	.0954	.002361	0.00661	396
5-40 0.125	UNC	.0008	.1242	.1191	.1080	.1054	.002562	0.00796	470
5-44 0.125	UNF	.0007	.1243	.1195	.1095	.1070	.002484	0.00830	498
6-32 0.138	UNC	.0008	.1372	.1312	.1169	.1141	.002820	0.00909	550
6-40 0.138	UNF	.0008	.1372	.1321	.1210	.1184	.002614	0.01015	609
8-32 0.164	UNC	.0009	.1631	.1571	.1428	.1399	.002916	0.0140	850
8-36 0.164	UNF	.0008	.1632	.1577	.1452	.1424	.002804	0.01474	884
10-24 0.190	UNC	.0010	.1890	.1818	.1619	.1586	.003319	0.0175	1050
10-32 0.190	UNF	.0009	.1891	.1831	.1688	.1658	.003004	0.0200	1200
12-24 0.216	UNC	.0010	.2150	.2078	.1879	.1845	.003400	0.0242	1450
12-28 0.216	UNF	.0010	.2150	.2085	.1918	.1886	.003224	0.0258	1548
1/4-20 0.250	UNC	.0011	.2489	.2408	.2164	.2127	.003731	0.0318	1900
1/4-28 0.250	UNF	.0010	.2490	.2425	.2258	.2225	.003322	0.0364	2200
5/16-18 0.3125	UNC	.0012	.3113	.3026	.2752	.2712	.004041	0.0524	3150
5/16-24 0.3125	UNF	.0011	.3114	.3042	.2843	.2806	.003660	0.0580	3480
3/8-16 0.375	UNC	.0013	.3737	.3643	.3331	.3287	.004363	0.0775	4650
3/8-24 0.375	UNF	.0011	.3739	.3667	.3468	.3430	.003804	0.0878	5268
1/2-13 0.500	UNC	.0015	.4985	.4876	.4485	.4435	.004965	0.1419	8500
1/2-20 0.500	UNF	.0013	.4987	.4906	.4662	.4619	.004288	0.1599	9594
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	
		1/4 thru 3/4		-0.03		-0.03		-0.06	

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