



NYLON PAN HEAD MACHINE SCREWS

Nominal Size	A		H		J		T	
	Head Diameter		Height of Head		Width of Slot		Depth of Slot	
	Max	Min	Max	Min	Max	Min	Max	Min
1	.142	.130	.046	.038	.026	.019	.027	.018
2	.167	.155	.053	.045	.031	.023	.031	.022
4	.219	.205	.068	.058	.039	.031	.040	.030
6	.270	.256	.082	.072	.048	.039	.050	.037
8	.322	.306	.096	.085	.054	.045	.058	.045
10	.373	.357	.110	.099	.060	.050	.068	.053
1/4	.492	.473	.144	.130	.075	.064	.087	.070

Tolerance on Length	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.
	1 thru 10	-0.02	-0.03	-0.06	-0.09
1/4	-0.03	-0.03	-0.06	-0.09	

Description	An externally threaded fastener with a head that has slightly rounded sides, a flat top and a flat underside.
Applications/Advantages	To be used with internally threaded nylon fasteners in applications that require corrosion resistance or electrical insulation. Nylon's other advantages include: resistance to greases and oils; a low coefficient of friction; ability to maintain its torque strength when exposed to a wide range of temperatures.
Material	Nylon 6/6
Hardness	Rockwell M80
<i>Tensile, shear and torque data is offered for informational purposes only. This data should not be used to set specification limits. It is always wise to test parts in the actual application.</i>	
Tensile Test (Break Pounds)	2-56: 19 lbs.; 4-40: 41 lbs.; 6-32: 69 lbs.; 8-32: 108 lbs.; 10-24: 149 lbs.; 10-32: 165 lbs.; 1/4-20: 312 lbs.
Double Shear (Break Pounds)	2-56: (No test); 4-40: 50 lbs.; 6-32: 97 lbs.; 8-32: 164 lbs.; 10-24: 257 lbs.; 10-32: 241 lbs.; 1/4-20: 432 lbs.
Maximum Torque (before deformation)	2-56: (No test); 4-40: 12-16 in. oz.; 6-32: 18-20 in. oz.; 8-32: 2-3 in. lbs.; 10-24: 2-4 in. lbs.; 10-32: 3-4 in. lbs.; 1/4-20: 9-10 in. lbs.
Thermal Properties	Melting Point: 500° F Continuous Use Temperature: 185° F