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## Westfield Fasteners Product Specification:

# ASME B18.6.3 - UNF Slotted Pan Head Machine Screws

This product guide contains the specification for UNF thread Slotted Pan Head Machine Screws, a series of standard parts available from Westfield Fasteners. The basis of this specification is the ASME standard ASME B18.6.3.

## Product Description

A pan head machine screw with a slot drive, designed to be tightened with a flat screwdriver. Often used in consumer electronics and other small machinery where high torque fasteners are not needed.

## Scope of the ASME Standard

Unlike ISO standards, each ASME standard generally covers a range or family of product types. ASME B18.6.3 covers many machine screw types, including these UNF slotted pan machine screws, and describes the form, dimensions and tolerances, starting from the diameter of gauge size 0000, up to and including 3/4 inch.

The slot drive can have parallel or slightly tapered sides.

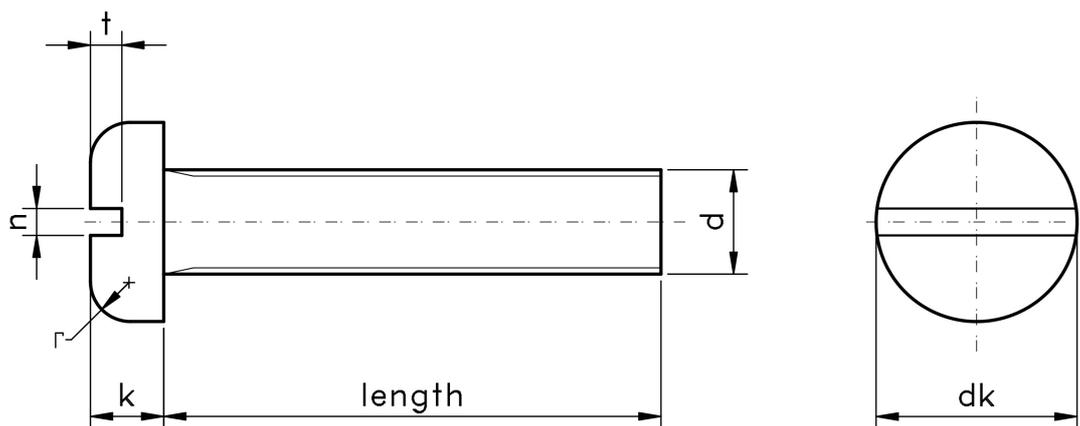


Figure 1: UNF Slotted Pan Head Machine Screw

**Table 1: Dimensions & Tolerances of UNF Slotted Pan Machine Screws according to standard ASME B18.6.3 (inches)**

Nominal Size or Basic Screw Diameter, d		tpi	Head Diameter, dk		Head Height, k		Head Edge Radius, r	Slot Width, n		Slot Depth, t	
0000	160	0.0210	0.042	0.036	0.016	0.010	0.007	0.008	0.004	0.008	0.004
000	120	0.0340	0.066	0.060	0.023	0.017	0.010	0.012	0.008	0.012	0.008
00	90	0.0470	0.090	0.082	0.032	0.025	0.015	0.017	0.010	0.016	0.010
0	80	0.0600	0.116	0.104	0.039	0.031	0.020	0.023	0.016	0.022	0.014
1	72	0.0730	0.142	0.130	0.046	0.038	0.025	0.026	0.019	0.027	0.018
2	64	0.0860	0.167	0.155	0.053	0.045	0.035	0.031	0.023	0.031	0.022
3	56	0.0990	0.193	0.180	0.060	0.051	0.037	0.035	0.027	0.036	0.026
4	48	0.1120	0.219	0.205	0.068	0.058	0.042	0.039	0.031	0.040	0.030
5	44	0.1250	0.245	0.231	0.075	0.065	0.044	0.043	0.035	0.045	0.034
6	40	0.1380	0.270	0.256	0.082	0.072	0.046	0.048	0.039	0.050	0.037
8	36	0.1640	0.322	0.306	0.096	0.085	0.052	0.054	0.045	0.058	0.045
10	32	0.1900	0.373	0.357	0.110	0.099	0.061	0.060	0.050	0.068	0.053
12	28	0.2160	0.425	0.407	0.125	0.112	0.078	0.067	0.056	0.077	0.061
1/4	28	0.2500	0.492	0.473	0.144	0.130	0.087	0.075	0.064	0.087	0.070
5/16	24	0.3125	0.594	0.579	0.178	0.162	0.099	0.084	0.072	0.106	0.085
3/8	24	0.3750	0.740	0.716	0.212	0.195	0.143	0.094	0.081	0.124	0.100
7/16	20	0.4375	0.863	0.837	0.247	0.228	0.153	0.094	0.081	0.142	0.116
1/2	20	0.5000	0.987	0.958	0.281	0.260	0.175	0.106	0.091	0.161	0.131
9/16	18	0.5625	1.041	1.000	0.315	0.293	0.197	0.118	0.102	0.179	0.146
5/8	18	0.6250	1.172	1.125	0.350	0.325	0.219	0.133	0.116	0.197	0.162
3/4	16	0.7500	1.435	1.375	0.419	0.390	0.263	0.149	0.131	0.234	0.192

For further details, please refer to the ASME standard document for this item.