

Thread Size		1#	2#	3#	4#	5#	6#	8#	10#	12#
d										
d	Nominal Size	0.073	0.086	0.099	0.112	0.125	0.138	0.164	0.19	0.216
PP		64	56	48	40	40	32	32	24	24
d _k	max	0.137	0.162	0.187	0.212	0.237	0.262	0.312	0.362	0.412
	min	0.12	0.144	0.167	0.191	0.215	0.238	0.285	0.333	0.38
k	Ref.	0.043	0.051	0.059	0.067	0.075	0.083	0.1	0.116	0.132
M	Ref.	0.058	0.069	0.094	0.094	0.111	0.111	0.132	0.155	0.178
P	max	0.017	0.022	0.025	0.033	0.045	0.045	0.051	0.065	0.07
	min	0.012	0.017	0.02	0.028	0.035	0.035	0.04	0.05	0.055
Socket No.		T5	T6	T8	T8	T10	T10	T15	T20	T25
α	max	82°	82°	82°	82°	82°	82°	82°	82°	82°
	min	80°	80°	80°	80°	80°	80°	80°	80°	80°

①, Machine Screw Length of Thread: 1) Sizes No.5 and smaller. Screws of nominal lengths equal to three diameters and shorter shall have full-form threads extending to within one pitch (thread) of the bearing surface of the head, or closer, if practicable. Nominal lengths greater than three diameters, up to and including 1-1/8 in., shall have full-form threads extending to within two pitches (threads) of the bearing surface of the head, or closer, if practicable. Screws of longer nominal lengths shall, unless otherwise specified, have a minimum length of full-form thread of 1 in. 2) Sizes No.6 and smaller. Screws of nominal lengths equal to three diameters and shorter shall have full-form threads extending to within one pitch (thread) of the bearing surface of the head, or closer, if practicable. Nominal lengths greater than three diameters, up to and including 2 in., shall have full-form threads extending to within two pitches (threads) of the bearing surface of the head, or closer, if practicable. Screws of longer nominal lengths shall have a minimum length of full-form thread of 1.5 in. unless otherwise specified.

Thread Size d		1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4
d	Nominal Size	0.250	0.313	0.375	0.438	0.500	0.563	0.625	0.750
PP		20	18	16	14	13	12	11	10
d_k	max	0.477	0.597	0.717	0.760	0.815	0.932	1.050	1.285
	min	0.442	0.556	0.670	0.715	0.765	0.878	0.990	1.215
k	Ref.	0.153	0.191	0.230	0.223	0.223	0.260	0.298	0.372
M	Ref.	0.200	0.266	0.266	0.352	0.352	0.446	0.446	0.529
P	max	0.090	0.105	0.135	0.125	0.135	0.160	0.160	0.230
	min	0.075	0.087	0.115	0.105	0.120	0.140	0.140	0.205
Socket No.		T27	T40	T40	T50	T50	T55	T55	T60
α	max	82°	82°	82°	82°	82°	82°	82°	82°
	min	80°	80°	80°	80°	80°	80°	80°	80°

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