

Thread Size		2#	3#	4#	5#	6#	8#	10#	12#	1/4	5/16	3/8
d	Nominal Size	0.0860	0.0990	0.1120	0.1250	0.1380	0.1640	0.1900	0.2160	0.2500	0.3125	0.3750
PP		56	48	40	40	32	32	24	24	20	18	16
d_k	max	0.167	0.193	0.219	0.245	0.270	0.322	0.372	0.425	0.492	0.615	0.740
	min	0.155	0.180	0.205	0.231	0.256	0.306	0.357	0.407	0.473	0.594	0.716
k	max	0.062	0.071	0.080	0.089	0.097	0.115	0.133	0.151	0.175	0.218	0.261
	min	0.053	0.062	0.070	0.079	0.087	0.105	0.122	0.139	0.162	0.203	0.244
M	Ref.	0.050	0.070	0.070	0.091	0.091	0.112	0.112	0.133	0.133	0.191	0.191
Drive Size		0	0	0	1R	1R	2R	2R	3R	3R	4R	4R
P	max	0.033	0.038	0.038	0.065	0.065	0.075	0.075	0.095	0.095	0.100	0.100
	min	0.028	0.028	0.028	0.050	0.050	0.060	0.060	0.080	0.080	0.085	0.085
R	min	0.010	0.010	0.010	0.015	0.015	0.015	0.020	0.025	0.035	0.040	0.040

①, The diameter of body on machine screws having other than trim heads shall not be less than the Class 2A thread minimum pitch diameter nor greater than the basic major diameter of the thread.

②, 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.

③, "R" in the recess size tabulation means regular depth recess.

④, Square recesses incorporate a slight taper on the sides of the recess. This taper can result in loss of penetration gaging depth on finished fasteners due to the buildup of plating in the recesses. The recess penetration dimensions specified here are for finished (plated) product. Manufacturers should be advised that they should not use all this tolerance in the heading process, or an out of tolerance condition could exist after plating.