

THUMB SCREWS PLAIN



Nominal Size or Basic Screw Diameter	Threads per Inch	Head Width	Head Height	Head Thickness	Head Thickness (mid-section)	Practical Screw Lengths	
		Ref	Ref	Ref	Ref	Max	Min
		6 0.13 8	32	0.41	0.29	0.08	0.03
8 0.16 4	32	0.44	0.30	0.10	0.05	1.00	0.38
10 0.19 0	24	0.55	0.43	0.12	0.06	2.00	0.38
1/4 0.25 0	20	0.81	0.55	0.16	0.07	2.50	0.50
5/16 0.31 2	18	0.87	0.67	0.19	0.09	3.00	0.50
3/8 0.37 5	16	1.02	0.75	0.24	0.11	3.00	0.75
Nominal Size or Basic Screw Diameter	Threads per Inch	Head Width	Head Height	Head Thickness	Shoulder Diameter	Practical Screw Lengths	
		Ref	Ref	Ref	Ref	Max	Min
		6 0.138	32	0.28	0.30	0.05	0.24
8	32	0.33	0.39	0.05	0.27	0.75	0.38
10	24 & 32	0.39	0.49	0.07	0.33	1.00	0.38
1/4	20	0.48	0.57	0.10	0.43	1.50	0.50
5/16	18	0.57	0.73	0.13	0.57	1.50	0.50
3/8	16	0.71	0.88	0.21	0.71	2.00	0.75
Tolerance on Length		Nominal Screw Length					
		Up to 1 in., Incl.		Over 1 to 2 in., Incl.		Over 2 in.	
		±0.03		±0.06		±0.09	

Description	A cold headed one-piece screw with rolled threads and a flattened head designed for manual turning without a driver or wrench. They are available in two varieties--with and without a shoulder under the head. The shoulder flares to a circular shape of a diameter slightly less than the head diameter of the screw.
Applications/ Advantages	For use in applications where the fastener is frequently adjusted and where tightening torque greater than that achieved with finger pressure is not required. A shoulder-pattern allows the head of the screw to seat flush against the mating surface and helps avoid over-tightening of the fastener which could result in stripped mating threads.
Material	Commercial quality carbon steel.
Tensile Strength	48,000 psi. minimum
Plating	See Appendix-A for plating information.