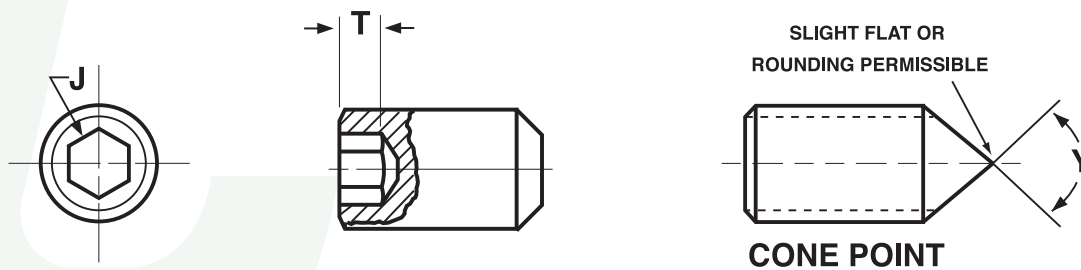


SOCKETS

SOCKET SET SCREWS

Stainless Steel



SOCKET SET SCREWS - STAINLESS STEEL

ASME B18.3-2012

Nominal Size	Shortest Nominal Length To Which Column T Applies	J	T	Y	Test Torque (Inch-Lbs.)— per ASTM F880
	Cone Point	Hex Key Size	Key Engagement	Cone Pt. Angle $90^\circ \pm 2^\circ$ for these Nominal lengths and over; $118^\circ \pm 2^\circ$ for shorter Nominal lengths	
2	1/8	.035	0.060	0.13	1.2
4	9/64	.050	0.070	0.19	3.3
6	3/16	1/16	0.080	0.19	5
8	3/16	5/64	0.090	0.25	16
10	3/16	3/32	0.100	0.25	26
1/4	5/16	1/8	0.125	0.31	67
5/16	3/8	5/32	0.156	0.38	135
3/8	7/16	3/16	0.188	0.44	237
1/2	9/16	1/4	0.250	0.57	600

Tolerance on Length	Nominal Screw Length		
	Up to 0.63 in., Incl.	Over 0.63 to 2.00 in., Incl.	Over 2.00 to 6.00 in., Incl.
	±0.01	±0.02	±0.03

Description	<i>Cone point:</i> A headless screw threaded the entire length. It has a hexagonal drive at one end and a sharp conical-shaped point at the opposite end.
Applications/ Advantages	<i>Cone point:</i> For permanent setting on soft stainless shafts. It offers deeper penetration than other style set screws, maximizing torsional & axial holding power. Can also be used as a pivot or hanger. When two set screws are used in a set screw collar, their holding power is determined by their location with respect to each other.
Material	A2-50 Stainless Steel, cold-worked
Torsional Strength	Socket set screws of a sufficient length to be tested (as listed in the above table) shall withstand application of the test torque specified in said table without evidence of the socket reaming or the screw bursting.
Finish	Stainless screws are usually supplied plain.