

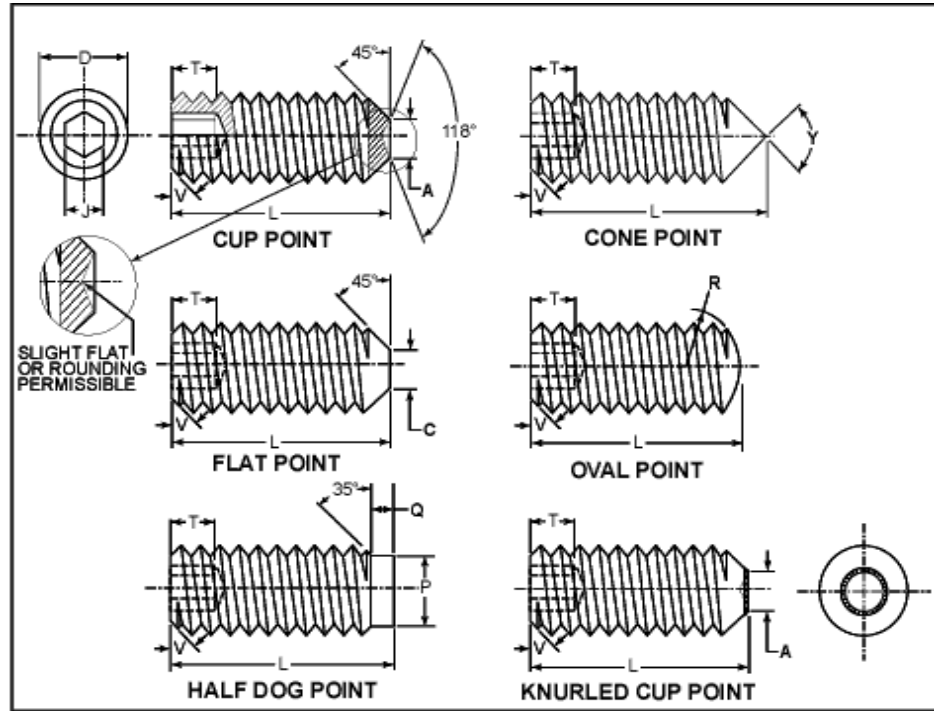


RADAX
INDUSTRIES, INC.

>>> The fastener specialists

socket set screw standards

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D	A		C		R	Y		P		Q	J	T	Shortest Length to which Col. T Applies
	Cup Point Diameter		Flat Point Diameter			Cone Point Angle	Diameter		Length	Socket Width Across Flat	Key Engagement		
	Max.	Min.	Max.	Min.			118° ± 2° for these Lengths and under	90° ± 2° for these Lengths and over	Max.			Min.	
#0	0.033	0.027	0.033	0.027	0.045	1/16	5/64	0.040	0.037	0.015	0.028	0.050	7/64
#1	0.040	0.033	0.040	0.033	0.055	5/64	3/32	0.049	0.045	0.019	0.035	0.060	1/8
#2	0.047	0.039	0.047	0.039	0.064	3/32	7/64	0.057	0.053	0.022	0.035	0.060	1/8
#3	0.054	0.045	0.054	0.045	0.074	7/64	1/8	0.066	0.062	0.025	0.050	0.070	9/64
#4	0.061	0.051	0.061	0.051	0.084	1/8	5/32	0.075	0.070	0.028	0.050	0.070	9/64
#5	0.067	0.057	0.067	0.057	0.094	1/8	3/16	0.083	0.078	0.030	1/16	0.080	3/16
#6	0.074	0.064	0.074	0.064	0.104	1/8	3/16	0.092	0.087	0.035	1/16	0.080	11/64
#8	0.087	0.076	0.087	0.076	0.123	3/16	1/4	0.109	0.103	0.040	5/64	0.090	3/16
#10	0.102	0.088	0.102	0.088	0.142	3/16	1/4	0.127	0.120	0.045	3/32	0.100	3/16
1/4	0.132	0.118	0.132	0.118	0.188	1/4	5/16	5/32	0.149	1/16	1/8	0.125	1/4

5/16	0.172	0.156	0.172	0.156	0.234	5/16	3/8	13/64	0.195	5/64	5/32	0.156	5/16
3/8	0.212	0.194	0.212	0.194	0.281	3/8	7/16	1/4	0.241	3/32	3/16	0.188	3/8
7/16	0.252	0.232	0.252	0.232	0.328	7/16	1/2	19/64	0.287	7/64	7/32	0.219	7/16
1/2	0.291	0.270	0.291	0.270	0.375	1/2	9/16	11/32	0.334	1/8	1/4	0.250	1/2
5/8	0.371	0.347	0.371	0.347	0.469	5/8	3/4	15/32	0.456	5/32	5/16	0.312	5/8
3/4	0.450	0.425	0.450	0.425	0.562	3/4	7/8	9/16	0.549	3/16	3/8	0.375	3/4
7/8	0.530	0.502	0.530	0.502	0.656	7/8	1	21/32	0.642	7/32	1/2	0.500	7/8
1	0.609	0.579	0.609	0.579	0.750	1	1 1/8	3/4	0.734	1/4	9/16	0.562	1

NOTES:

- Allowable eccentricity of dog point axis with respect to the screw axis shall not exceed 3% of the nominal diameter of the screw and shall in no case exceed 0.005", for sizes up to and including 3/4" and 0.010" for sizes over 3/4".
- These dimensions apply to cup and flat point screws. For screws shorter than one diameter in length, and for other types of points, socket to be as deep as practicable.
- SOCKET END CHAMFER (V). Socket end of screw shall be chamfered. The chamfer (V) shall be at an angle of 30° to 45° with the top surface. the chamfer shall be extended to the bottom of the thread and the edge between the top and the chamfer may be slightly rounded.
- MATERIAL. Steel, high-grade alloy, hardened by quenching in oil from the hardening temperature, and tempered to a Rockwell "C"hardness of "45-53". Set screws may also be fabricated from austenitic corrosion-resistant steel of type 18-8, or equivalent types.
- LENGTH TOLERANCE(L). The length of the screw shall be measured overall on a line parallel to the axis.

Up to 5/8, Incl.....±0.01
Over 5/8 to 2, Incl....±0.02
Over 2 to 6 Incl.....±0.03
Over 6±0.06

- THREADS. Threads shall be Unified standard. Class 3A, UNC and UNF Series.
- Knurled Cup - External Knurl

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