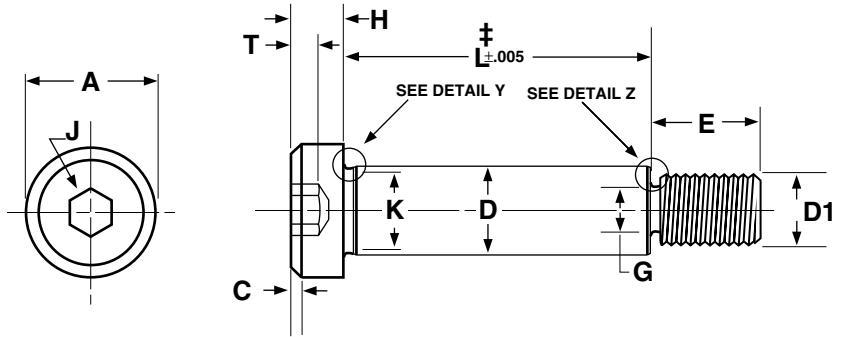




# Socket Products

## Socket Shoulder Screws



‡Length of a socket shoulder screw is measured from the underhead bearing surface to the plane of the shoulder at the threaded end.

Nominal Size	D		A		H		C	J	T	M	R	K	F
	Shoulder Diameter		Head Diameter		Head Height		Chamfer or Radius	Hex Socket Size	Key Engagement	Fillet Transition Diameter	Head Fillet Radius	Shoulder Neck Diameter	Shoulder Neck Width
	Max	Min	Max	Min	Max	Min	Min	Nom	Min	Max	Min	Min	Max
1/4	0.2480	0.2460	0.375	0.357	0.188	0.177	0.020	1/8	0.094	0.276	0.009	0.227	0.093
5/16	0.3105	0.3085	0.438	0.419	0.219	0.209	0.026	5/32	0.117	0.345	0.012	0.289	0.093
3/8	0.3730	0.3710	0.562	0.543	0.250	0.240	0.031	3/16	0.141	0.413	0.015	0.352	0.093
1/2	0.4980	0.4960	0.750	0.729	0.312	0.302	0.040	1/4	0.188	0.550	0.020	0.477	0.093
5/8	0.6230	0.6210	0.875	0.853	0.375	0.365	0.050	5/16	0.234	0.687	0.024	0.602	0.093
3/4	0.7480	0.7460	1.000	0.977	0.500	0.490	0.069	3/8	0.281	0.826	0.030	0.727	0.093

ASME B18.3-1998

**The value-added source for quality bolts, screws, nuts, washers and other industrial fasteners.**

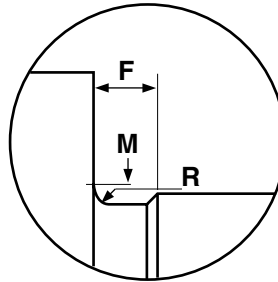
3211 West 9th Street, Trainer, PA 19061-5242 TOLL FREE: 1-800-662-7459 LOCAL: 610-485-5700 FAX: 610-485-5877

E-MAIL: [sales@coburnmyers.com](mailto:sales@coburnmyers.com)

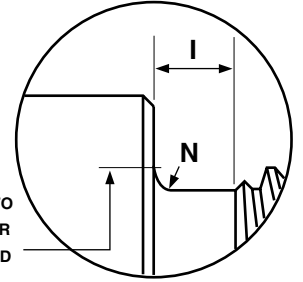


# Socket Products

## Socket Shoulder Screws



ENLARGED DETAIL Y



ENLARGED DETAIL Z

Nominal Size	D1 Nominal Thread Size	Threads Per Inch	G Thread Neck Diameter		I Thread Neck Width	N Thread Neck Fillet		E Thread Length Basic	Thread Section Tensile Strength (Lbs) Min	Single Shear Strength (Lbs)		Seating Torque (Inch Lbs)
			Max	Min		Max	Min			Shoulder Min	Thread Neck Min	
1/4	10	24	0.142	0.133	0.083	0.023	0.017	0.375	2,540	4,515	1,250	50
5/16	1/4	20	0.193	0.182	0.100	0.028	0.022	0.438	4,610	7,100	2,340	125
3/8	5/16	18	0.249	0.237	0.111	0.031	0.025	0.500	7,600	10,280	3,970	265
1/2	3/8	16	0.304	0.291	0.125	0.035	0.029	0.625	11,240	18,350	5,985	470
5/8	1/2	13	0.414	0.397	0.154	0.042	0.036	0.750	20,570	28,785	11,140	1,150
3/4	5/8	11	0.521	0.502	0.182	0.051	0.045	0.875	32,770	41,515	17,800	2,000
<b>Nominal Screw Sizes</b>												
<b>Tolerance on Thread Length</b>			Up to 3/8 in., Inclusive					Over 3/8 in.				
			-0.020					-0.030				

ASME B18.3-1998,  
Blue Devil®

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