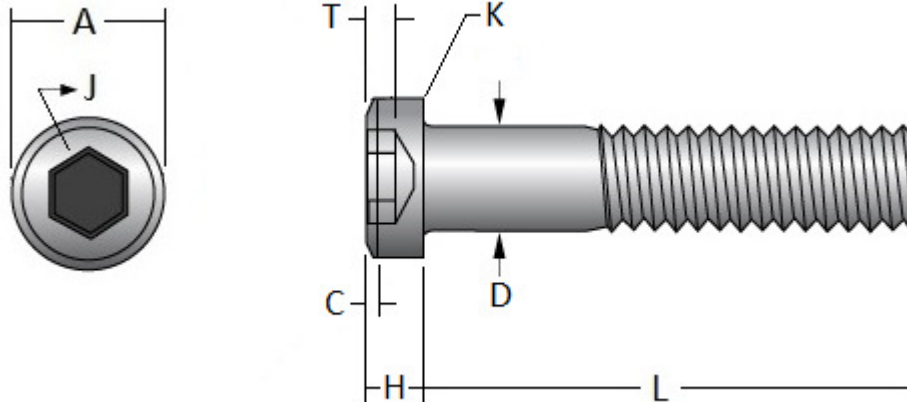




Low Head Socket Cap Screws, Alloy, Black Oxide, Manufactured in the USA

The information below lists the required dimensional, chemical and physical characteristics of the products in this purchase order. If the order received does not meet these requirements, it may result in a supplier corrective action request, which could jeopardize your status as an approved vendor. Unless otherwise specified, all referenced consensus standards must be adhered to in their entirety.



Nominal Size or Basic Screw Diameter	D		A		H		C	J	T	K		
	Body Diameter		Head Diameter		Head Height		Chamfer or Radius	Hexagon Socket Size	Key Engagement	Chamfer or Radius		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Nom.	Min.	Max.		
#8	0.1640	0.1640	0.1585	0.270	0.262	0.085	0.079	0.014	5/64	0.078	0.060	0.008
#10	0.1900	0.1900	0.1840	0.312	0.303	0.098	0.092	0.018	3/32	0.094	0.072	0.008
1/4	0.2500	0.2500	0.2435	0.375	0.365	0.127	0.121	0.025	1/8	0.125	0.094	0.010
5/16	0.3125	0.3125	0.3053	0.437	0.431	0.158	0.152	0.033	5/32	0.156	0.110	0.010
3/8	0.3750	0.3750	0.3678	0.562	0.550	0.192	0.182	0.040	3/16	0.188	0.115	0.010
7/16	0.4375	0.4375	0.4294	0.625	0.618	0.223	0.213	0.047	7/32	0.219	0.135	0.015
1/2	0.5000	0.5000	0.4919	0.750	0.743	0.254	0.244	0.055	1/4	0.250	0.151	0.015

Specification Requirements:

- Dimensions: ASME B18.3
- Thread Requirements: ASME B1.1, Class 3A UNRC and UNRF (#8 to 1/2" inclusive)
- Material: ASTM A574
- Mechanical Properties: ASTM F835
- Finish: Black Oxide (Thermal or Chemical)
- Material Test Reports: The MTR must have documented lot traceability, dimensional results, full chemical test results and full mechanical test results to the specification(s) above. In addition, the MTR shall be in full compliance with Fastenal's MTR Requirements.
- Quality Assurance Provisions: Category 3 of ASME B18.18