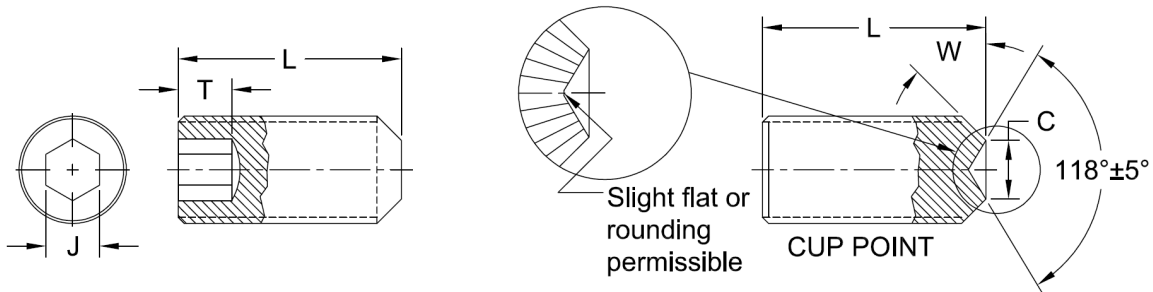




Socket Set Screw, Cup Point, Knurled, Black Oxide, Manufactured in the USA

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.



Size	J		T		C	
	Hexagon Socket Size		Key Engagement		Point Diameter	
	Max.	Min.	Minimum for Standard Length	Minimum for Short Length	Max.	Min.
#4	0.0510	0.0500	.070	0.045 / 0.060	.056	.051
#6	0.0635	0.0625	.080	0.040 / 0.060 / 0.070	.069	.062
#8	0.0791	0.0781	.090	0.060 / 0.070	.082	.074
#10	0.0952	0.0937	.100	0.060	.095	.086
1/4	0.1270	0.1250	.125	0.090	.125	.114
5/16	0.1587	0.1562	.156	0.125	.156	.144
3/8	0.1900	0.1875	.188	0.110 / 0.140	.187	.174
1/2	0.2530	0.2500	.250	0.175 / 0.215	.250	.235
5/8	0.3160	0.3125	.312	0.205	.312	.295

*Please refer to ASME B18.3 for all other dimensions

*W shall be 30° minimum for short screw lengths as defined in ASME B18.3. Otherwise W shall be 50° to 45°.

RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE LAST PAGE



Specification Requirements:

- Dimensions: ASME B18.3, Cup Point, Knurled
- Material & Mechanical Properties: ASTM F912
- Thread Requirements: ASME B1.1, Class 3A, UNC and UNF
- 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.

Revision Level Changes to this Document.

Document Name	Revision Level	Revision Date	Rationale for Revision
HK.SSS.CP.KNL.BO	05	1/24/2018	Added dimension W to image and clarified the cone angle requirement.
HK.SSS.CP.KNL.BO	06	3/14/2018	Added MTR requirement.

The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.