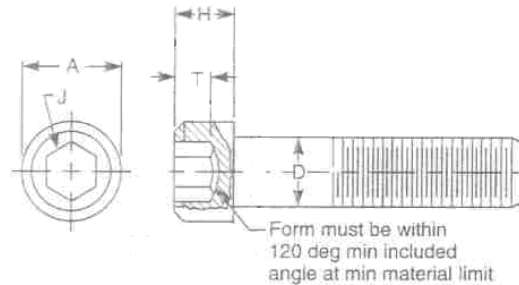


Socket Head Cap Screws, Alloy, Black Oxide:

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	D		A		H		J		T
	Body Diameter		Head Diameter		Head Height		Hex Socket		Key Engag.
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Min.
0	.0600	.0568	.096	.091	.060	.057	0.0510	0.0500	.025
1	.0730	.0695	.118	.112	.073	.070	0.0635	0.0625	.031
2	.0860	.0822	.140	.134	.086	.083	0.0791	0.0781	.038
3	.0990	.0949	.161	.154	.099	.095	0.0791	0.0781	.044
4	.1120	.1075	.183	.176	.112	.108	0.0952	0.0937	.051
5	.1250	.1202	.205	.198	.125	.121	0.0952	.0937	.057
6	.1380	.1329	.226	.218	.138	.134	0.1111	0.1094	.064
8	.1640	.1585	.270	.262	.164	.159	0.1426	0.1406	.077
10	.1900	.1840	.312	.303	.190	.185	0.1587	0.1562	.090
12	.2160	.2127	.324	.314	.216	.211	0.1587	0.156	.103
1/4	.2500	.2435	.375	.365	.250	.244	0.1900	0.1875	.120
5/16	.3125	.3053	.469	.457	.312	.306	0.2530	0.2500	.151
3/8	.3750	.3678	.562	.550	.375	.368	0.3160	0.3125	.182
7/16	.4375	.4294	.656	.642	.438	.430	0.3790	0.3750	.213
1/2	.5000	.4919	.750	.735	.500	.492	0.3790	0.3750	.245
9/16	.5625	.5524	.844	.828	.5625	.835	0.4420	0.4375	.276
5/8	.6250	.6163	.938	.921	.625	.616	0.5050	0.5000	.307
3/4	.7500	.7406	1.125	1.107	.750	.740	0.6310	0.6250	.370
7/8	.8750	.8647	1.312	1.293	.875	.864	0.7570	0.7500	.432
1	1.000	.9886	1.500	1.479	1.000	.988	0.7570	0.7500	.495
1 1/8	1.125	1.1086	1.688	1.665	1.125	1.111	0.8850	0.8750	.557
1 1/4	1.250	1.2336	1.875	1.852	1.250	1.236	0.8850	0.8750	.620
1 3/8	1.375	1.3568	2.062	2.038	1.375	1.360	1.0200	1.0000	.682
1 1/2	1.500	1.4818	2.250	2.224	1.500	1.485	1.0200	1.0000	.745
1 3/4	1.750	1.7295	2.625	2.597	1.750	1.734	1.2750	1.2500	.870
2	2.000	1.9780	3.000	2.970	2.000	1.983	1.5300	1.5000	.995

Specification Requirements:

- Dimensions: ASME B18.3
- Material & Mechanical Properties: ASTM A574
- Thread requirements: ANSI B1.1, Class 3A UNRC and UNRF (0.060" to 1" inclusive)
Class 2A UNRC and UNRF (Over 1")
- Product Marking: Manufacturer's ID on sizes #5 and larger
- Finish: Thermal or Chemical Black Oxide
- Material Test Reports: The MTR must have documented lot traceability, including full chemical and mechanical figures, to the specification(s) above.