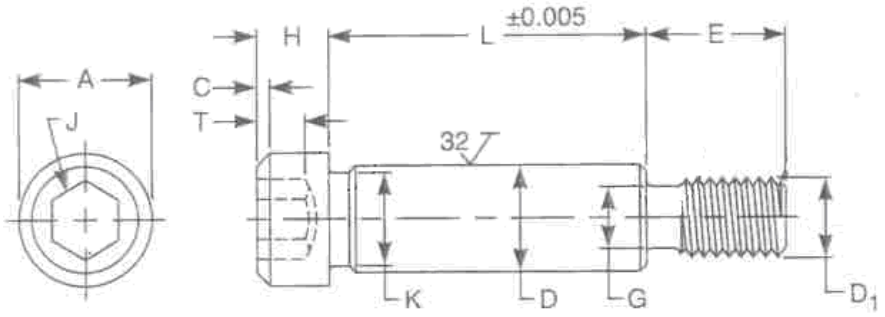
Socket Head Shoulder Screws, Plain Finish, Manufactured in the USA

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 of Basic Shoulder Diameter		D Shoulder Diameter		A Head Diameter		H Head Height		C Chamfer or Radius	J Hexagon or Socket Size		T Key Engagement
		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Nom.		Min.
1/4	.250	.2480	.2460	.375	.357	.188	.177	.020	1/8	.125	.094
5/16	.312	.3105	.3085	.438	.419	.219	.209	.026	5/32	.156	.117
3/8	.375	.3730	.3710	.562	.543	.250	.240	.031	3/16	.188	.141
1/2	.500	.4980	.4960	.750	.729	.312	.302	.040	1/4	.250	.188
5/8	.625	.6230	.6210	.875	.853	.375	.365	.050	5/16	.312	.234
3/4	.750	.7480	.7450	1.000	.977	.500	.490	.069	3/8	.375	.281

Nominal Size or Basic Shoulder Diameter		K Shoulder Neck Diameter	Shoulder Neck Width	D1 Nominal Thread Size or Basic Thread Diameter		G Thread Neck Diameter		I Thread Neck Width	Thread Neck Fillet		E Thread Length
		Min.	Max.			Max.	Min.	Max.	Max.	Min.	Basic
1/4	.250	.227	.093	10	.1900	.142	.133	.083	.023	.017	.375
5/16	.312	.289	.093	1/4	.2500	.193	.182	.100	.028	.022	.438
3/8	.375	.352	.093	5/16	.3125	.249	.237	.111	.031	.025	.500
1/2	.500	.477	.093	3/8	.3750	.304	.291	.125	.035	.029	.625
5/8	.625	.602	.093	1/2	.5000	.414	.397	.154	.042	.036	.750
3/4	.750	.727	.093	5/8	.6250	.521	.502	.182	.051	.045	.875

Specification Requirements:

- Dimensions: ASME B18.3.
- Material: Alloy Steel per ASME B18.3.
- Mechanical Properties: HRC 32 to 43.
- Thread requirements: ASME B1.1, Class 3A UNC.
- Product Marking: Manufacturer's ID
- Finish: Black Oxide (Thermal or Chemical) on un-ground surfaces.
- Material Test Reports: The MTR must have documented lot traceability, including full chemical and mechanical figures, to the specification(s) above.