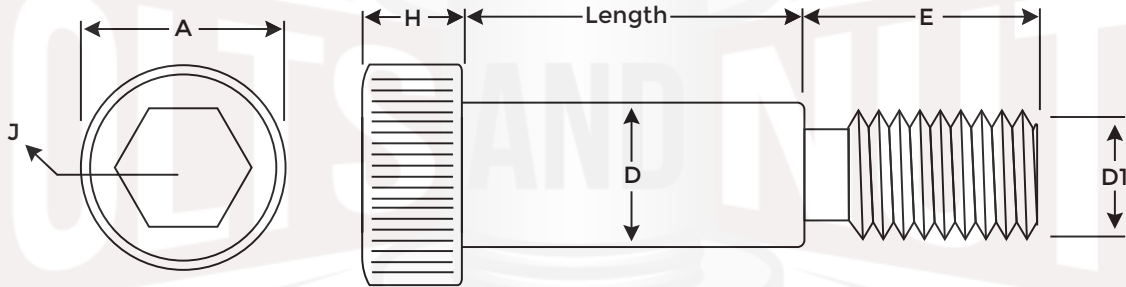




Alloy Shoulder Bolts



Nominal Size or Basic Bolt Diameter	D		D1		A		H		J
	Shoulder Diameter		Thread Diameter		Head Diameter		Head Height		Hex Socket Size
	Max	Min	Max	Min	Max	Min	Max	Min	Nom
1/4"	0.2480	0.2460	#10	0.1900	0.375	0.357	0.188	0.177	0.125
5/16"	0.3105	0.3085	1/4"	0.2500	0.438	0.419	0.219	0.209	0.156
3/8"	0.3730	0.3710	5/16"	0.3125	0.562	0.543	0.250	0.240	0.188
1/2"	0.4980	0.4960	3/8"	0.3750	0.750	0.729	0.312	0.302	0.250
5/8"	0.6230	0.6210	1/2"	0.5000	0.875	0.853	0.375	0.365	0.312

Dimensions: ASME B18.3 - Shoulder Bolts
Material: Alloy Steel per ASTM B18.3
Threading: ASME B1.1, UNC & UNF, Class 3A Prior to Plating (if coated)

440.606.6557

www.boltsandnuts.com

info@boltsandnuts.com