



ASME B18.6.3 Hex Bolt

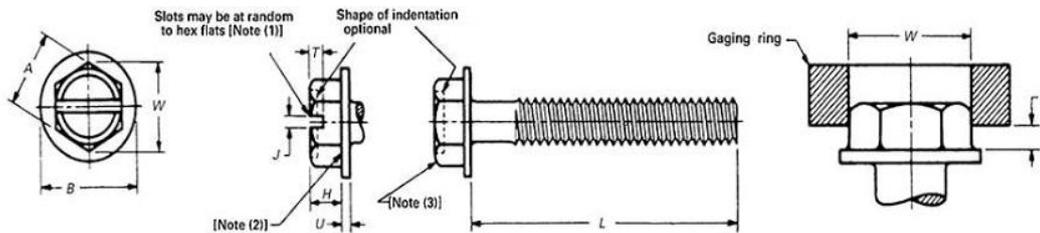
Leader-Fastener is a manufacturer and distributor of **ASME B18.6.3 Hex Bolt**. We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We persist in good quality as the first policy and have established a set of quality control and inspection system according to the international standard. We have carried out ISO9001 Quality Guarantee System in every course of production, transportation and selling. We do hope we could be your partner in business by topping quality, knight service and competitive price in

the near future and be your friends as well.

Product Introduction of ASME B18.6.3 Hex Bolt

Foundation Bolts are bolt fasteners with six sided hexagon head and externally threaded body. Hexagonal head profile enables easy wrenching while putting enough torque to the bolting joint. Foundation Bolts are used with hex nuts or a tapped hole. Hexagon head bolts, hex head machine bolts are other alias of Foundation Bolts. Foundation Bolts dimensions are defined in both metric and imperials sizes with unified national coarse pitch (UNC), fine pitch (UNF), fixed pitch (UN) and iso metric thread profile. These are produced across all material categories and astm specifications.

Hexagon bolts are a type of fastener consisting of a head and a screw (a cylinder with an external thread), and a nut is required to fasten two parts with a through hole. They are commonly used in residential and commercial mechanical and construction projects. Full thread size provides excellent grip strength. Some thread sizes help where shear resistance is important. Secure with corresponding nuts or use in threaded holes. A type of fastener consisting of a head and a screw (a cylinder with an external thread), which requires a nut to securely connect two parts with a through hole. Because bolts are also a type of railway accessories, railway accessories are an integral part of railway lines. The track referred to here includes rails, sleepers, connectors, ballast beds, anti-climbing equipment, rail supports and turnouts. As an overall engineering structure, the track is laid on the roadbed, which guides the operation of the train and directly bears the huge pressure and load of the rolling stock. Under the power of train operation, its components must have sufficient strength and stability to ensure the safe, stable and uninterrupted operation of the train at the specified maximum speed.

ASME B18.6.3 Plain and Slotted Hex Washer Head Machine Screws


Nominal Size or Basic Screw Diameter	Width Across Flats, A		Across Corners, W, Min	Head Height, H		Washers Diameter, B		Washers Thickness, U		Slot Width, J		Slot Depth, T		Protrusion Beyond Gaging Ring, F, Min
	Max	Min		Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	
2	0.125	0.120	0.134	0.050	0.040	0.166	0.154	0.016	0.010	-	-	-	-	0.024
3	0.125	0.120	0.134	0.055	0.044	0.177	0.163	0.016	0.010	-	-	-	-	0.026
4	0.188	0.181	0.202	0.060	0.049	0.243	0.225	0.019	0.011	0.039	0.031	0.042	0.025	0.029
5	0.188	0.181	0.202	0.070	0.058	0.260	0.240	0.025	0.015	0.043	0.035	0.049	0.030	0.035
6	0.250	0.244	0.272	0.093	0.080	0.328	0.302	0.025	0.015	0.048	0.039	0.053	0.033	0.048
8	0.250	0.244	0.272	0.110	0.096	0.348	0.322	0.031	0.019	0.054	0.045	0.074	0.052	0.058
10	0.312	0.305	0.340	0.120	0.105	0.414	0.384	0.031	0.019	0.060	0.050	0.080	0.057	0.063
12	0.312	0.305	0.340	0.155	0.139	0.432	0.398	0.039	0.022	0.067	0.056	0.103	0.077	0.083
1/4	0.375	0.367	0.409	0.190	0.172	0.520	0.480	0.050	0.030	0.075	0.064	0.111	0.083	0.103
5/16	0.500	0.489	0.545	0.230	0.208	0.676	0.624	0.055	0.035	0.084	0.072	0.134	0.100	0.125
3/8	0.562	0.551	0.614	0.295	0.270	0.780	0.720	0.063	0.037	0.094	0.081	0.168	0.131	0.162

Notes:

Unless otherwise specified by purchaser, hex head machine screws are not slotted.

Fillet Radius R at junction of sides of hex and top of washers shall not exceed 0.15 times the basic screw diameter.

A slight rounding of all edges and corners of the hex surfaces shall be permissible.

When specifying nominal size in decimals, zeros preceding the decimal and in the fourth decimal place shall be omitted.

Dimensions across flats and across corners of the head shall be measured at the point of maximum metal.

Taper of sides of hex (angle between one side and the axis) shall not exceed 2 deg or 0.004 in., whichever is greater, the specified width across flats being the large dimensions.

The rounding due to lack of fill on all six corners of the head shall be reasonably uniform and the width across corners of the head shall be such that when a sharp ring having an inside diameter equal to the specified

minimum width across corners is placed on the top and bottom of the head, the head shall protrude by an amount equal to, or greater than the F value tabulated.

Slot depth beyond bottom of indentation on indented heads shall not be less than one-third of the minimum slot depth specified.