

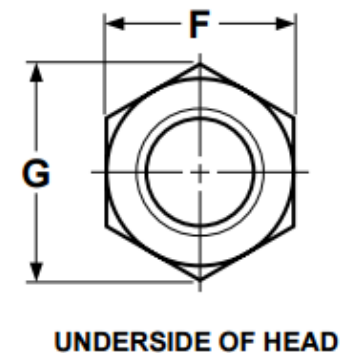
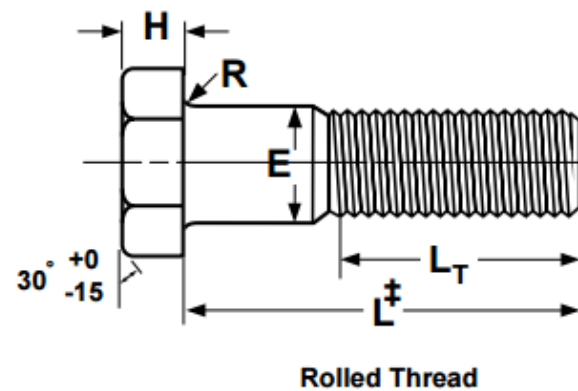
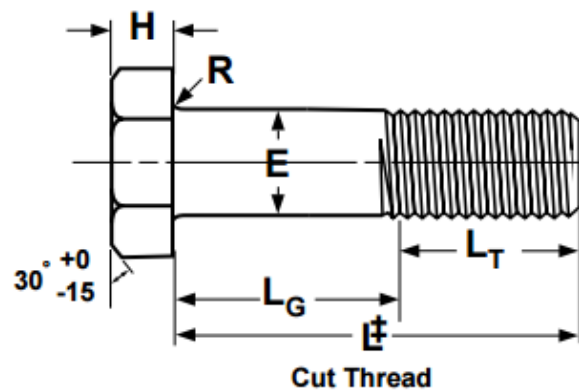


545 Basket Road
Webster, NY 14580

Toll Free: 800.691.0292 | Local: 585.265.1990 | Fax: 585.265.6678

www.fastenersdirect.com
sales@fastenersdirect.com

HOT DIPPED GALVANIZED HEX MACHINE BOLTS



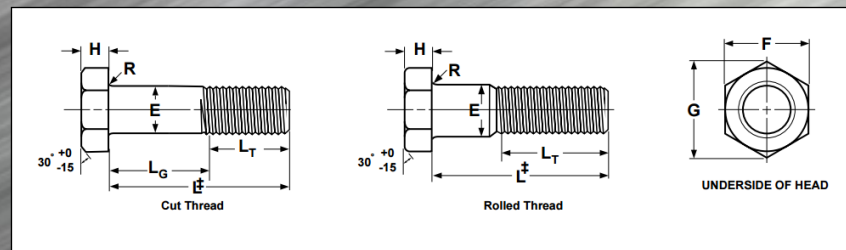


545 Basket Road
Webster, NY 14580

Toll Free: 800.691.0292 | Local: 585.265.1990 | Fax: 585.265.6678

www.fastenersdirect.com
sales@fastenersdirect.com

HOT DIPPED GALVANIZED HEX MACHINE BOLTS



Nominal Size or Basic Dia.		E		F		G		H			R		L		
		Body Diameter		Width Across Flats		Width Across Corners		Head Height			Radius of Fillet		Thread Length for Bolt Lengths		
													6 in. and shorter	Over 6 in.	
		Max	Min	Basic	Max	Min	Max	Min	Basic	Max	Min	Max	Min	Basic	Basic
1/4	0.2500	0.260	0.237	7/16	0.438	0.425	0.505	0.484	11/64	0.188	0.150	0.03	0.01	0.750	1.000
5/16	0.3125	0.324	0.298	1/2	0.500	0.484	0.577	0.552	7/32	0.235	0.195	0.03	0.01	0.875	1.125
3/8	0.3750	0.388	0.360	9/16	0.562	0.544	0.650	0.620	1/4	0.268	0.03	0.01	0.01	1.000	1.250
1/2	0.5000	0.515	0.482	3/4	0.750	0.725	0.866	0.826	11/32	0.364	0.302	0.03	0.01	1.250	1.500
5/8	0.6250	0.642	0.605	15/16	0.938	0.906	1.083	1.033	27/64	0.444	0.378	0.06	0.02	1.500	1.750
3/4	0.7500	0.768	0.729	1-1/8	1.125	1.088	1.299	1.240	1/2	0.524	0.455	0.06	0.02	1.750	2.000
7/8	0.8750	0.895	0.852	1-5/16	1.312	1.269	1.516	1.447	37/64	0.604	0.531	0.06	0.02	2.000	2.250
1	1.000	1.022	0.976	1-1/2	1.500	1.450	1.732	1.653	43/64	0.700	0.591	0.09	0.03	2.250	2.500



545 Basket Road
Webster, NY 14580

Toll Free: 800.691.0292 | Local: 585.265.1990 | Fax: 585.265.6678

www.fastenersdirect.com
sales@fastenersdirect.com

HOT DIPPED GALVANIZED HEX MACHINE BOLTS

	Nominal Screw Size	Nominal Screw Length				
		Up to in., incl.	Over 1 in. to 2-1/2 in., incl.	Over 2-1/2 in. to 4 in., incl.	Over 4 in. to 6 in., incl.	Longer than 6 in.
Tolerance on Length	1/4 to 3/8	+0.02, -0.03	+0.02, -0.04	+0.04, -0.06	+0.06, -0.10	+0.10, -0.18
	7/16 and 1/2	+0.02, -0.03	+0.04, -0.06	+0.06, -0.08	+0.08, -0.10	+0.12, -0.18
	9/16 and 3/4	+0.02, -0.03	+0.06, -0.08	+0.08, -0.10	+0.10, -0.10	+0.14, -0.18
	7/8 and 1	-	+0.08, -0.10	+0.10, -0.14	+0.12, -0.16	+0.16, -0.20

DESCRIPTION: A low or medium carbon steel, externally threaded mechanical device, 1/4 inch in diameter or larger, with a trimmed hex head and a hot-dipped galvanized coating. A hex bolt does not have a washer face on its bearing surface as does a hex cap screw, nor does it have a machined point. Its body tolerances are not as close as those of a cap screw.

APPLICATIONS/ADVANTAGES: Designed to be used in highly corrosive environments (ie. Coastal locales and heavily polluted atmospheres). May be inserted into an oversized hole and should be assembled with a nut.

MATERIAL: Machine bolts shall be manufactured from steel which conforms to the following chemical composition requirements: *Phosphorus: 0.06% maximum; Sulfur: 0.15% maximum*).

HARDNESS: Bolts of a length < 3X nominal diameter: Rockwell B69-B100; Bolts of a length => 3X nominal diameter: Rockwell B100 maximum.

TENSILE STRENGTH: 60,000 psi minimum

ELONGATION*: 18% minimum (all diameters)

* These properties are tested only on machined specimens when the testing machine cannot provide for full testing of the parts.

** Product standards require the manufacturer's head marking to appear on the top of all bolts 1/4" diameter and larger. "X" represents one location such a marking may appear.