

Hexagon Bolt and Nut Sizes



Determine the maximum torque according to the bolt (nut) size and grade. Always consult the manufacturers instructions or engineering recommendations when making bolted connections.



IMPORTANT

The hexagon sizes shown in the tables below should be used as a guide only. Individual sizes should be checked before specifying any equipment.

METRIC SIZES

Hexagon Size S (mm)	Thread Size D (mm)	Hexagon Size J (mm)
17	M 10	8
19	M 12	10
22	M 14	12
24	M 16	14
27	M 18	14
30	M 20	17
32	M 22	17
36	M 24	19
41	M 27	19
46	M 30	22
50	M 33	24
55	M 36	27
60	M 39	27 (30)
65	M 42	32
70	M 45	-
75	M 48	36
80	M 52	36
85	M 56	41
90	M 60	46
95	M 64	46
100	M 68	50
105	M 72	55
110	M 76	60
115	M 80	65
120	M 85	70
130	M 90	70 (75)
135	M 95	-
145	M 100	85
150	M 105	-
155	M 110	-
165	M 115	-
170	M 120	-
180	M 125	-
185	M 130	-
200	M 140	-
210	M 150	-

IMPERIAL SIZES

Hexagon Size S (inch)	Thread Size D (inch)	Hexagon Size J (inch)
1 ¹ / ₁₆ "	5/8"	1/2"
1 ¹ / ₄ "	3/4"	5/8"
1 ⁷ / ₁₆ "	7/8"	3/4"
1 ⁵ / ₈ "	1"	3/4"
1 ¹³ / ₁₆ "	1 ¹ / ₈ "	7/8"
2"	1 ¹ / ₄ "	7/8"
2 ³ / ₁₆ "	1 ³ / ₈ "	1"
2 ³ / ₈ "	1 ¹ / ₂ "	1"
2 ⁹ / ₁₆ "	1 ⁵ / ₈ "	-
2 ³ / ₄ "	1 ³ / ₄ "	1 ¹ / ₄ "
2 ¹⁵ / ₁₆ "	1 ⁷ / ₈ "	1 ³ / ₈ "
3"	2"	1 ¹ / ₂ "
3 ¹ / ₈ "	2"	1 ⁵ / ₈ "
3 ³ / ₈ "	2 ¹ / ₄ "	1 ³ / ₄ "
3 ¹ / ₂ "	2 ¹ / ₄ "	1 ³ / ₄ "
3 ³ / ₄ "	2 ¹ / ₂ "	1 ³ / ₄ "
3 ⁷ / ₈ "	2 ¹ / ₂ "	1 ⁷ / ₈ "
4 ¹ / ₈ "	2 ³ / ₄ "	2"
4 ¹ / ₄ "	2 ³ / ₄ "	2"
4 ⁵ / ₈ "	3"	2 ¹ / ₄ "
5"	3 ¹ / ₄ "	2 ¹ / ₄ "



Use only Heavy Duty Impact Sockets for power driven torquing equipment, according to ISO 2725 and ISO 1174; DIN 3129 and DIN 3121 or ASME-B107.2/1995.



Always make sure that the gauge template on the pump matches the torque wrench for accurate torque settings.