



Stainless Steel Hex Bolts

Stainless Steel

Hex Bolts Recommended Tightening Torque

STAINLESS HEX BOLTS - RECOMMENDED TIGHTENING TORQUE (Nm)					
Nominal Size	Pitch	Stress Area	Class		
	(mm)	(mm ²)	50	70	80
M3	0.50	5.03	0.4	0.9	1.2
M4	0.70	8.78	1.0	2.1	2.7
M5	0.80	14.20	1.9	4.2	5.5
M6	1.00	20.10	3.3	7.1	9.4
M8	1.25	36.60	8.0	17.1	22.8
M10	1.50	58.00	15.8	33.9	45.2
M12	1.75	84.30	27.6	59.2	78.9
M14	2.00	115.00	44.0	94.2	125.6
M16	2.00	157.00	68.6	147.0	195.9
M18	2.50	192.00	94.3	202.2	269.6
M20	2.50	245.00	133.8	286.7	382.2
M22	2.50	303.00	182.0	390.0	519.9
M24	3.00	353.00	231.3	495.6	660.8
M27	3.00	459.00	338.3	725.0	966.7
M30	3.50	561.00	459.5	984.6	1312.7
M33	3.50	694.00	625.2	1339.8	1786.4
M36	4.00	817.00	802.9	1720.6	2294.1
M39	4.00	976.00	1039.1	2226.7	2969.0

k Factor = 0.2

The induced load is calculated at 65% yield stress



Note:

A k factor of 0.2 has been used which assumes threads are burr free and a good quality lubricant (molybdenum disulphate MoS₂) is used. Stainless fasteners that are not lubricated or coated often seize and can exhibit k factors in excess of 0.35.

Bolt Tension | Anti-Vibration | Product Reliability | Traceability

hobson.com.au **QUALITY FASTENERS SINCE 1935**