

**TECHNICAL SPECIFICATION OF FASTENERS****HEXAGON BOLT**

Sl. No.	Standard	Designation	Diameter in mm	Thread Pitch in m	Class	Total length in mm	Qty. Reqd	Compliance
1	ISO 4014	M 6 x 60 (Half thread)	6	1	10.9	60	150 Nos	
2	ISO 4014	M10 x 60 (Half thread)	10	1.5	10.9	60	100 Nos	
3	ISO 4014	M10 x 70 (Half thread)	10	1.5	10.9	70	100 Nos	
4	ISO 4014	M12 x 55 (Half thread)	12	1.75	10.9	55	150 Nos	
5	ISO 4014	M12 x 60 (Half thread)	12	1.75	10.9	60	150 Nos	
6	ISO 4014	M12 x 65 (Half thread)	12	1.75	10.9	65	150 Nos	
7	ISO 4014	M16 x 65 (Half thread)	16	2	10.9	65	150 Nos	
8	ISO 4014	M16 x 70 (Half thread)	16	2	10.9	70	150 Nos	
9	ISO 4014	M16 x 80 (Half thread)	16	2	10.9	80	150 Nos	
10	ISO 4014	M16 x 90 (Half thread)	16	2	10.9	90	100 Nos	
11	ISO 4014	M 16x 100 (Half thread)	20	2	10.9	100	100 Nos	
12	ISO 4014	M16 x 110(Half thread)	16	2	10.9	110	500 Nos	
13	ISO 4014	M 16x 120 (Half thread)	16	2	10.9	120	100 Nos	
14	ISO 4014	M20 x 80 (Half thread)	20	2.5	10.9	80	100 Nos	
15	ISO 4014	M20 x 90 (Half thread)	20	2.5	10.9	90	100 Nos	
16	ISO 4014	M20 x 110 (Half thread)	20	2.5	10.9	110	80 Nos	
17	ISO 4014	M20 x 130 (Half thread)	20	2.5	10.9	130	60 Nos	
18	ISO 4014	M20 x 150 (Half thread)	20	2.5	10.9	150	40 Nos	
19	ISO 4014	M20 SCREW THREADED	20	2.5	10.9	40	500 Nos	
20	ISO 4014	M24 x 110 (Half thread)	24	3	10.9	110	150 Nos	
21	ISO 4014	M24 x 120 (Half thread)	24	3	10.9	120	120 Nos	
22	ISO 4014	M24 x 130 (Half thread)	24	3	10.9	130	120 Nos	

**HEXAGON NUTS**

Sl. No.	Standard	Designation	Thread Pitch in m	Class	Qty. Reqd	Compliance
1	ISO 4032	M6 HEXAGON NUT	1		10	150 Nos
2	ISO 4032	M10 HEXAGON NUT	1.5		10	200 Nos
3	ISO 4032	M12 HEXAGON NUT	1.75		10	450 Nos
4	ISO 4032	M16 HEXAGON NUT	2		10	1250 Nos
5	ISO 4032	M20 HEXAGON NUT	2.5		10	380 Nos
6	ISO 4032	M24 HEXAGON NUT	3		10	390 Nos

**WASHER-NORMAL SERIES**

Sl. No.	Standard	Designation	Class	Qty. Reqd	Compliance
1	ISO 7089	WASHER 6X12	Grade A plain Normal Series	150 Nos	
2	ISO 7089	WASHER 10X20	Grade A plain Normal Series	200 Nos	
3	ISO 7089	WASHER 12X24	Grade A plain Normal Series	450 Nos	
4	ISO 7089	WASHER 16X30	Grade A plain Normal Series	1250 Nos	
5	ISO 7089	WASHER 20X37	Grade A plain Normal Series	380 Nos	
6	ISO 7089	WASHER 24X44	Grade A plain Normal Series	390 Nos	