

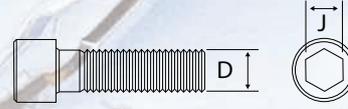


## Metric Bolt Conversion



Normal Size Thread Diameter	Normal Size Across Flats
M	mm
1.6	3.2
2	4
2.5	5
3	5.5
4	7
5	8
6	10
8	13
10	17
12	19
14	22
16	24
18	27
20	30
22	32
24	36
27	41
30	46
33	50
36	55
39	60
42	65
45	70
48	75
52	80
55	85
60	90
64	95
68	100
72	105
76	110
80	115
85	120
85	125
90	130
95	135
95	140
100	145
105	150
110	155
110	160
115	165
120	170
120	175
125	180
130	185
140	200
150	210

## Cap Head Bolt Conversion



METRIC SIZES	
Thread Size D (mm)	Hexagon Size J (mm)
M 10	8
M 12	10
M 14	12
M 16	14
M 18	14
M 20	17
M 22	17
M 24	19
M 27	19
M 30	22
M 33	24
M 36	27
M 39	27 (30)
M 42	32
M 45	—
M 48	36
M 52	36
M 56	41
M 60	46
M 64	46
M 68	50
M 72	55
M 76	60
M 80	65
M 85	70
M 90	70 (75)
M 95	—
M 100	85

IMPERIAL SIZES	
Thread Size D (inch)	Hexagon Size J (inch)
5/8"	1/2"
3/4"	5/8"
5/8"	3/4"
1"	3/4"
1 1/8"	7/8"
1 1/4"	7/8"
1 3/8"	1"
1 1/2"	1"
1 3/4"	1 1/4"
1 1/8"	1 3/8"
2"	1 1/2"
2"	1 5/8"
2 1/4"	1 3/4"
2 1/4"	1 3/4"
2 1/2"	1 3/4"
2 1/2"	1 7/8"
2 3/4"	2"
3"	2 1/4"
3 1/4"	2 1/4"