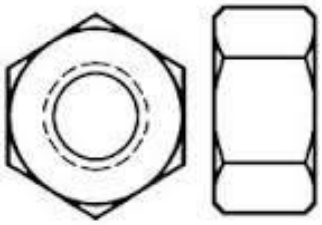
HEX NUTS
METRIC



Nominal Size	Thread Pitch	F		G	H	
		Width Across Flats		Width Across Corners	Thickness	
		Max	Min	Min	Max	Min
M1.6	0.35	3.2	3.02	3.41	1.3	1.05
M2	0.4	4	3.82	4.32	1.6	1.35
M2.5	0.45	5	4.82	5.45	2	1.75
M3	0.5	5.5	5.32	6.01	2.4	2.15
M4	0.7	7	6.78	7.66	3.2	2.9
M5	0.8	8	7.78	8.79	4.7	4.4
M6	1	10	9.78	11.05	5.2	4.9
M8	1.25	13	12.73	14.38	6.8	6.44
M10	1.5	16	15.73	17.77	8.4	8.04
M12	1.75	18	17.73	20.03	10.8	10.37
M14	2	21	20.67	23.35	12.8	12.1
M16	2	24	23.67	26.75	14.8	14.1
M20	2.5	30	29.16	32.95	18	16.9
M24	3	36	35	39.55	21.5	20.2
M30	3.5	46	45	50.85	25.6	24.3
M36	4	55	53.8	60.79	31	29.4
M42	4.5	65	63.1	71.3	34	32.4
M48	5	75	73.1	82.6	38	36.4
M56	5.5	85	82.8	93.56	45	43.4
M64	6	95	92.8	104.86	51	49.1

Description	A six-sided internally threaded, non-heat treated fastener with a metric thread pitch. Nuts M16 and smaller are chamfered on the top and the bearing surface. Nuts M18 and larger may be either double chamfered, or have a washer face on one side and a chamfered surface on the opposite side.
Applications/ Advantages	Class 6 nuts are intended for use with screws and bolts of property class 6.8 or lower. They are the most popular nut for use with metric machine screws.
Material	Class 6 nuts shall be made of a steel which conforms to the following chemical composition-- Carbon:0.50% maximum; *Phosphorus:* 0.060% maximum; *Sulfur:* 0.150% maximum. Class 6 nuts may also be made from free-cutting steel which conforms to the following chemical composition-- Carbon: 0.50% maximum; *Sulfur* 0.34% minimum; *Phosphorus:* 0.11% minimum; *Lead:* 0.35% minimum.
Hardness	Diam. thru M16: Vickers HV 150 - 302 (Rockwell B78.7 - C30); Diam. M18 thru M39: Vickers HV 170 - 302 (Rockwell B85 - C30)
Proof Load	Diameters M1.6 through M4: 600 N/mm^2 Diameters M5 through M7: 670 N/mm^2 Diameters M8 through M10: 680 N/mm^2 Diameters M12 through M16: 700 N/mm^2 Diameters M18 through M36: 720 N/mm^2
Plating	See Appendix-A for plating information