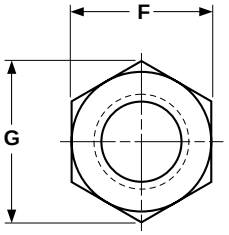
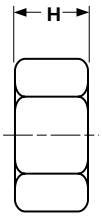
Nuts

METRIC

Hex Nut Style 2
Class 9

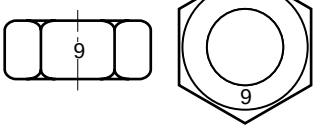


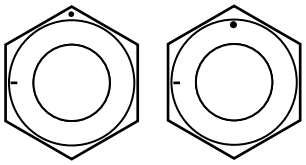


METRIC - HEX NUTS, STYLE 2

ISO 4033

Nominal Size	Thread Pitch	F		G	H	
		Width Across Flats		Width Across Corners	Thickness	
		Max	Min	Min	Max	Min
M5	0.8	8	7.78	8.79	5.1	4.8
M6	1	10	9.78	11.05	5.7	5.4
M8	1.25	13	12.73	14.38	7.5	7.14
M10	1.5	16	15.73	17.77	9.3	8.94
M12	1.75	18	17.73	20.03	12	11.57
M14	2	21	20.67	23.35	14.1	13.4
M16	2	24	23.67	26.75	16.4	15.7
M20	2.5	30	29.16	32.95	20.3	19
M24	3	36	35	39.55	23.9	22.6
M30	3.5	46	45	50.85	28.6	27.3
M36	4	55	53.8	60.79	34.7	33.1





Description	A six-sided internally threaded, non-heat treated fastener with a metric thread pitch which, as a Style 2 nut, is approximately 10% thicker than a Style 1 nut of the same nominal diameter. 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 9 nuts are intended for use with screws and bolts of property classes 4.6, 4.8, 5.8, 8.8 or 9.8.
Material	Class 9 nuts shall be made of a steel which conforms to the following chemical composition-- *Carbon:* 0.58% maximum; *Manganese:* 0.25% minimum; *Phosphorus:* 0.060% maximum; *Sulfur:* 0.150% maximum.
Hardness	**Diameters M1.6 through M4:** Rockwell B85 - C30 (Vickers HV 170 - 302) **Diameters M5 through M39:** Rockwell B89 - C30 (Vickers HV 188 - 302)
Proof Load	**Diameters M1.6 through M4:** 900 N/mm^2 **Diameters M5 through M7:** 915 N/mm^2 **Diameters M8 through M10:** 940 N/mm^2 **Diameters M12 through M16:** 950 N/mm^2 **Diameters M18 through M39:** 920 N/mm^2
Plating	See Appendix-A for plating information

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