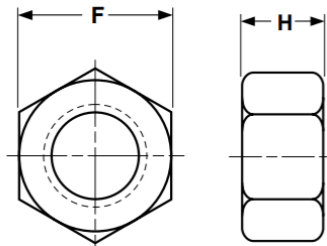


Metallics

An **AMERICAN** Source For Premier
and Innovative Fasteners and Anchors

HEX METRIC NUT – STEEL ZINC, 18-8 STAINLESS STEEL, AND 316 STAINLESS STEEL

The following Specification Sheet applies to all **Hex Metric Nut – Steel Zinc, Class A2-70 (comparable to 18-8 Stainless), and Class A4-70 (comparable to 316 Stainless Steel)** in our **JNM and JSNM** series.



Size	F		H	
	Width Across Flats		Thickness	
	Max.	Min.	Max.	Min.
M3	5.5	5.32	2.4	2.15
M4	7	6.78	3.2	2.9
M5	8	7.78	4	3.7
M6	10	9.78	5	4.7
M8	13	12.73	6.5	6.14
M10	17	16.73	8	7.64
M12	19	18.67	10	9.64
M14	22	21.67	11	10.3
M16	24	23.67	13	12.3
M20	30	29.16	16	14.9
M24	36	35	19	17.7

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.

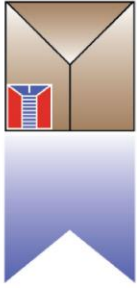
Metallics

229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358



Metallics

An **AMERICAN** Source For Premier
and Innovative Fasteners and Anchors

STEEL ZINC

Material	Nuts shall be made of a steel which conforms to the following chemical composition-- Carbon:0.50% maximum; <i>Phosphorus: 0.060% maximum; Sulfur: 0.150% maximum.</i>
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

STAINLESS STEEL

Applications/ Advantages	Class A2-70 nuts are intended for use with screws and bolts of similar material in corrosive environments. The flange design will span oversized or poorly aligned holes. The flange provides a more uniform bearing-stress to clamp-force ratio.	Class A4-70 nuts are intended for use with screws and bolts of similar material where greater resistance to extreme temperatures and greater resistance to corrosion is desired. The flange design will span oversized or poorly aligned holes. The flange provides a more uniform bearing-stress to clamp-force ratio.
Material	<i>Class A2 70</i>	<i>Class A4 70</i>
	A2 Class 70 Stainless (comparable to 18-8)	A4 Class 70 Stainless (comparable to 316)
Proof Load	101,500 psi.	116,000 psi.

Metallics

229 Cross Street
Bristol, CT 06010

www.metallics.us

Phone: 860 589-4186 Toll Free: 800 243-8272

Fax: 860 584-1008 Toll Free Fax: 800 831-9358