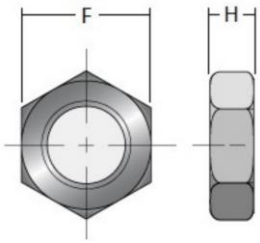
Metallics
An AMERICAN Source For Premier
and Innovative Fasteners and Anchors

HEX JAM NUT – 316 STAINLESS STEEL

The following Specification Sheet applies to all **Hex Jam Nut – 316 Stainless Steel** in our **JN series**.



Nominal Size	F		H	
	Width Across Flats		Thickness	
	Max.	Min.	Max.	Min.
1/2	.750	.736	.323	.302

Description	A six-sided internally threaded fastener which is only 2/3 the thickness of a full form nut.
Applications/ Advantages	Jam nuts are tightened against the work surface and a finished or heavy hex nut is tightened against the jam nut to keep it from loosening.
Material	Steel: Nuts shall be made from a low carbon steel which conforms to the following chemical composition requirements-- *Carbon:* 0.47% maximum; *Phosphorus:* 0.12% maximum; *Sulfur:* 0.23% maximum. Stainless: Nuts shall be made from one of the following austenitic alloys: 303, 303Se, 304, XM7, all of which have a chromium content of 18% and a nickel content of 8%.
Heat Treatment	Stainless: The austenitic alloys develop their strength through work hardening during the fastener manufacturing process, as seen from the hardness properties below. The only heat treatment normally available on austenitic stainless alloys is annealing, which is done at approximately 1900°F to a dead soft condition and is not normally thermally reversible.
Core Hardness	Steel: Rockwell B68 - C32 Stainless: Rockwell 895 - C32
Proof Load	Steel: Coarse thread-- 54 000 psi.; Fine thread-- 48 000 psi.
	Stainless: 1/4 through 1/2"-- 60,000 psi.
Plating	See Appendix-A for information about the plating of steel jam nuts.

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