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MEMORANDUM

Date: December 19, 2007
Subject: Hex & Coupling Nuts
Proof Tension Loads
From: Unistrut Engineering

Nut Size	Tensile Stress Area	Proof Load Stress	Proof Tension Load
	(in ²)	(ksi)	(lbs)
1/4"-20	0.0318	90	2,800
5/16"-18	0.0524	90	4,700
3/8"-16	0.0775	90	6,900
7/16"-14	0.1063	90	9,500
1/2" -13	0.1419	90	12,700
5/8"-11	0.226	90	20,300
3/4"-10	0.334	90	30,000
7/8"-9	0.462	90	41,500
1"-8	0.606	90	54,500

NOTES:

1. Nuts Conform to ASTM A563, Grade A
2. Per Unistrut Material Specifications, Mechanical Requirements (Proof Load Stress) for Both Hex and Coupling Nuts are for Non-Zinc Coated Hex Nuts
3. Proof Tension Loads are Rounded Down to the Nearest 100lbs



Columbia-MBF



KAF-TECH



UNISTRUT



UNISTRUT Construction

