






BOLT MARKING


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HEX, NON-COATED
SAE J429 - Grade 2
Tensile Min. - 1/4" thru 3/4" - 74 ksi
Over 3/4" thru 1-1/2" - 60 ksi
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HEX, NON-COATED
SAE J429 - Grade 5
Tensile Min. - 1/4" thru 1" - 120 ksi
Over 1" thru 1-1/2" - 105 ksi
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HEX, NON-COATED
SAE J429 - Grade 8
Tensile Min. - 1/4" thru 1-1/2" - 150 ksi
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HEX, COATED
L9
Tensile Min. - All Diameters - 180 ksi
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★ NON-COATED
ASTM A307 - Grade A
Tensile Min. - 1/4" thru 1-1/2" (hex) - 60 ksi
Over 1-1/2" thru 4" (heavy hex) - 60 ksi
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HEAVY HEX, NON-COATED
ASTM A307 - Grade B
Tensile Min. - 1/4" thru 4" - 60 ksi
Tensile Max. - 1/4" thru 4" - 100 ksi
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HEAVY HEX, NON-COATED
ASTM A325 - Type 1
Tensile Min. - 1/2" thru 1" - 120 ksi
Over 1" thru 1-1/2" - 105 ksi
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HEAVY HEX, NON-COATED
ASTM A490 - Type 1
Tensile Min. - 1/2" thru 1-1/2" - 150 ksi
Tensile Max. - 1/2" thru 1-1/2" - 173 ksi
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HEAVY HEX, NON-COATED
ASTM A193 - Grade B7
Tensile Min. - Up to 2-1/2" - 125 ksi
Over 2-1/2" thru 4" - 115 ksi
Over 4" thru 7" - 100 ksi
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HEX, NON-COATED
DIN 931/933 Class 8.8
Tensile Min. - M16 - M72 - 830 MPa (120 ksi)
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HEX, NON-COATED
DIN 931/933 Class 10.9
Tensile Min. - M5 - M100 - 1040 MPa (150 ksi)
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★ HEX, NON-COATED
DIN 931/933 Class 12.9
Tensile Min. - M1.6 - M100 - 1220 MPa (176 ksi)

NUT MARKING

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HEX, NON-COATED
SAE J995 - Grade 2
Proof Load Min. - 1/4" thru 1-1/2" - 90 ksi
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HEX, NON-COATED
SAE J995 - Grade 5
Proof Load Min. - 1/4" thru 1" - 109 - 120 ksi
Proof Load Min. - 1-1/8" thru 1-1/2" - 94 - 105 ksi
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HEX, NON-COATED
SAE J995 - Grade 8
Proof Load Min. - 1/4" thru 1-1/2" - 150 ksi
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HEX, COATED
L9
Proof Load Min. - All Diameters - 145 ksi
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NON-COATED
ASTM A563 - Grade A
Proof Load Min. - 1/4" thru 1-1/2" (hex) - 90 ksi
1/4" thru 4" (heavy hex) - 100 ksi
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HEAVY HEX, NON-COATED
ASTM A563 - Grade B
Proof Load Min. - 1/4" thru 1" - 133 ksi
Over 1" thru 1-1/2" - 116 ksi
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HEAVY HEX, NON-COATED
ASTM A563 - Grade C
Proof Load Min. - 1/4" thru 4" - 144 ksi
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HEAVY HEX, NON-COATED
ASTM A563 - Grade DH
Proof Load Min. - 1/4" thru 4" - 175 ksi
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HEAVY HEX, NON-COATED
ASTM A194 - Grade 2H
Proof Load Min. - 1/4" thru 4" - 175 ksi
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HEX, NON-COATED
DIN 934 Class 8
Proof Load Min. - 800 - 920 MPa (116 - 133 ksi)
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HEX, NON-COATED
DIN 934 Class 10
Proof Load Min. - M1.6 - M10 - 1040 MPa (150 ksi)
Proof Load Min. - M12 - M16 - 1050 MPa (152 ksi)
Proof Load Min. - M20 - M36 - 1060 MPa (153 ksi)
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HEX, NON-COATED
DIN 934 Class 12
Proof Load Min. - M3 - M6 - 1150 MPa (166 ksi)
Proof Load Min. - M8 - M10 - 1160 MPa (168 ksi)
Proof Load Min. - M12 - M16 - 1190 MPa (172 ksi)
Proof Load Min. - M20 - M100 - 1200 MPa (174 ksi)

Source: ASTM, SAE, DIN, Infasco, IFI 7th Edition Inch Fastener Standard, IFI 3rd Edition Metric Fastener Standard. The information on this poster offers a brief description of the product standard. It is recommended that you refer to the actual standard for critical information. Tensile and proof load data provided for SAE and DIN assume the use of non-coated regular hex bolts and nuts, and for ASTM bolts and nuts, assuming the use of heavy hex bolts & nuts.

★ Note: Items are available, however may not be in stock.