

technical threads

Hex Cap Screws, Grade 8

- Material: Medium Carbon Alloy Steel
- Material & Mechanical Properties: $\frac{1}{4}$ – 1-1/2 are purchased to meet SAE J429 Grade *. Diameters over 1-1/2 are purchased to meet ASTM A354 Grade BD.
- Dimensions: ASME B18.2.1 Hex Cap Screw, Rolled threads, exceptions include: 1-3/8 – 2 inches are Hex Bolts, Over 2 inches in diameter are Heavy Hex Bolts.
- Zinc Yellow Plating: Purchased to meet ASTM F1941 FeZn5c
- Typical Hardness: HRC 33-39 on sizes $\frac{1}{4}$ – 2-1/2 inches; HRC 31-39 on sizes over 2-1/2 inches.
- Tensile Strength: 150,000 PSI minimum on sizes $\frac{1}{4}$ – 2-1/2 inches; 140,000 PSI minimum on sizes over 2-1/2 inches.

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