What is a bolt sizes chart and how to use it?

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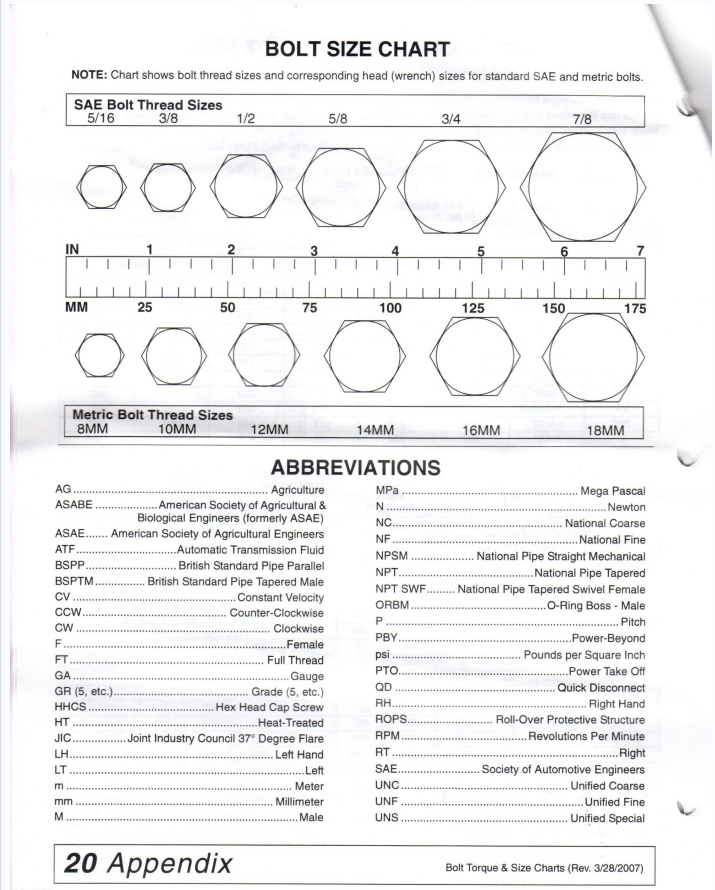

BOLT SIZE CHART

NOTE: Chart shows bolt thread sizes and corresponding head (wrench) sizes for standard SAE and metric bolts.

SAE Bolt Thread Sizes
5/16 3/8 1/2 5/8 3/4 7/8

IN 1 2 3 4 5 6 7

MM 25 50 75 100 125 150 175

Metric Bolt Thread Sizes
8MM 10MM 12MM 14MM 16MM 18MM

ABBREVIATIONS

AG ..... Agriculture
ASABE ..... American Society of Agricultural & Biological Engineers (formerly ASAE)
ASAE ..... American Society of Agricultural Engineers
ATF ..... Automatic Transmission Fluid
BSPP ..... British Standard Pipe Parallel
BSPTM ..... British Standard Pipe Tapered Male
CV ..... Constant Velocity
CCW ..... Counter-Clockwise
CW ..... Clockwise
F ..... Female
FT ..... Full Thread
GA ..... Gauge
GR (5, etc.) ..... Grade (5, etc.)
HHCS ..... Hex Head Cap Screw
HT ..... Heat-Treated
JIC ..... Joint Industry Council 37° Degree Flare
LH ..... Left Hand
LT ..... Left
m ..... Meter
mm ..... Millimeter
M ..... Male
MPa ..... Mega Pascal
N ..... Newton
NC ..... National Coarse
NF ..... National Fine
NPSM ..... National Pipe Straight Mechanical
NPT ..... National Pipe Tapered
NPT SWF ..... National Pipe Tapered Swivel Female
ORBM ..... O-Ring Boss - Male
P ..... Pitch
PBY ..... Power-Beyond
psi ..... Pounds per Square Inch
PTO ..... Power Take Off
QD ..... Quick Disconnect
RH ..... Right Hand
ROPS ..... Roll-Over Protective Structure
RPM ..... Revolutions Per Minute
RT ..... Right
SAE ..... Society of Automotive Engineers
UNC ..... Unified Coarse
UNF ..... Unified Fine
UNS ..... Unified Special

20 Appendix Bolt Torque & Size Charts (Rev. 3/28/2007)

Printing & Usage Overview

A bolt sizes chart is a handy tool for anyone seeking precise information about bolt dimensions. This guide aims to provide a clear overview, offering a quick reference for those who need to interpret and utilize such charts effectively. The chart presents a visual representation of bolt sizes, typically including details like length, diameter, and thread pitch. While the values may vary depending on the standard or region, this guide will help you navigate and understand the key measurements, ensuring you can make accurate comparisons and selections. Understanding the Bolt Sizes Chart The bolt sizes chart is a comprehensive guide that provides a standardized overview of various bolt dimensions. It offers a quick reference for engineers, builders, and DIY enthusiasts to select the right bolt for their projects. This chart simplifies the process of identifying and specifying bolts, ensuring

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