

HEAVY HEX STRUCTURAL BOLT A325 TY. 1

SUBMITTAL SPECIFICATION

"ABSTRACT OF ASTM A325"

"STRUCTURAL BOLTS, STEEL, HEAT TREATED, 120/105 KSI MIN. TENSILE STRENGTH"

MATERIAL / GRADE: CARBON STEEL, ASTM A325 TY. 1

CHEMICAL REQUIREMENTS (%): (HEAT ANALYSIS)

CARBON	0.30-0.52
MANGANESE, MIN	0.60
PHOSPHOROUS, MAX	0.04
SULFUR, MAX	0.05
SILICON	0.15-0.30

MECHANICAL REQUIREMENTS:

	<u>1/2" - 1" DIA.</u>	<u>1 1/8" - 1 1/2" DIA.</u>
HARDNESS - ROCKWELL	C25 - C34	Ø19 - C30
HARDNESS - BRINELL	253 - 319	223-286
TENSILE STRENGTH, (KSI)	120 MIN.	105 MIN.

IDENTIFICATION SYMBOL: "A325" or "3 RADIAL LINES 120 DEGREES APART"

OTHER:

THE BOLTS SHALL BE FULL-BODY BOLTS CONFORMING TO THE DIMENSIONS FOR HEAVY HEX STRUCTURAL BOLTS SPECIFIED IN ANSI/ASME B18.2.6. THREADS SHALL BE UNIFIED COARSE THREAD SERIES AS SPECIFIED IN ANSI/ASME B1.1. WHEN SPECIFIED, 8 PITCH THREADS SERIES MAY BE USED ON BOLTS OVER 1 INCH IN DIAMETER.

NUTS:

UNLESS OTHERWISE SPECIFIED, ALL NUTS SHALL CONFORM TO ASTM A194/A194M OR A563 AND SHALL BE HEAVY HEX. NUTS SHALL CONFORM DIMENSIONALLY TO ANSI/ASME B18.2.2. COMMON GRADES ARE A194-2H & A563 GR. DH

FLAT WASHERS:

UNLESS OTHERWISE SPECIFIED, ALL WASHERS SHALL BE HARDENED STEEL CONFORMING TO ASTM F436.

Pacific Coast Bolt

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