



INDUSTRIAL THREADED PRODUCTS INC.

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STRUCTURAL BOLT A325

SUBMITTAL SPECIFICATIONS

Abstract of ASTM A325



GRADE: TYPE 1, MEDIUM CARBON STEEL

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

CARBON MIN	MANGANESE MIN	PHOSPHOROUS MAX	SULFUR MAX	SILICON MAX
0.30	0.60	0.04	0.050	0.15

MECHANICAL REQUIREMENTS

HARDNESS BRINEL		HARDNESS ROCKWELL		TENSILE STRENGTH (KSI)		ELONGATION IN 2 IN (50MM)
MIN	MAX	MIN	MAX	MIN	MAX	MIN
223	286	19	30	105	-	14

<input type="checkbox"/> Hex Nuts ASTM A563 or A194 / A194M (ASME B18.2.2)	<input type="checkbox"/> WASHERS F436 HARDENED STEEL
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BOLTS AND NUTS MAY BE SUPPLIED

<input type="checkbox"/> Plain	<input type="checkbox"/> Zinc Plated	<input type="checkbox"/> Hot Dip Galvanized	<input type="checkbox"/> BLUE XYLAN
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LOCATION

<input type="checkbox"/> Buried	<input type="checkbox"/> Submerged	<input type="checkbox"/> Above Grade	<input type="checkbox"/> Below Grade	<input type="checkbox"/> Other
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DIMENSIONAL DATA: Bolts with Hex Heads shall be Full Body Bolt conforming to the dimensions for the Heavy Hex Structural Bolts specified in ANSI / ASME B18.2.1. Threads shall be Unified Coarse Thread series as specified in ANSI / ASME B1.1.

BOLT DIAMETER	THREAD LENGTH
5/8"- 11	1-1/4"
3/4"- 10	1-3/8"
7/8"- 9	1-1/2"
1"- 8	1-3/4"

ADDITIONAL INFORMATION: Additional information can be found in ASTM A325, DTD 2001 and IFI " Commentary on High Strength Structural Bolting "

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