



INDUSTRIAL THREADED PRODUCTS INC.

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DOMESTIC HEX BOLTS A307 GRADE A



SUBMITTAL SPECIFICATIONS

Abstract of ASTM A307 Grade A

GRADE: Low Carbon Steel 60,000 PSI

CHEMICAL REQUIREMENTS

Chemical analysis shall be performed in accordance with ASTM A751

| CARBON MAX | MANGANESE MAX | PHOSPHOROUS MAX | SULFUR MAX |
|---------------|------------------|--------------------|---------------|
| 0.29 | 1.20 | 0.04 | 0.15 |

MECHANICAL REQUIREMENTS

| HARDNESS BRINEL | | HARDNESS ROCKWELL | | TENSILE STRENGTH | | ELONGATION IN 2 IN (50MM) |
|--------------------|-----|----------------------|-----|---------------------|-----|------------------------------|
| MIN | MAX | MIN | MAX | MIN (KSI) | MAX | MIN |
| 121 | 241 | 69 | 100 | 60 | - | 18 |

| | |
|---|--|
| <input type="checkbox"/> Hex Nuts ASTM A563 (ASME B18.2.2) | <input type="checkbox"/> Heavy Hex Nuts ASTM A563 (ASME B18.2.2) |
|---|--|

| |
|---|
| <input type="checkbox"/> Washers ASTM F844-40 (ASME B18.22.1) |
|---|

BOLTS AND NUTS MAY BE SUPPLIED

| | | | |
|--------------------------------|--------------------------------------|---|---|
| <input type="checkbox"/> Plain | <input type="checkbox"/> Zinc Plated | <input type="checkbox"/> Hot Dip Galvanized | <input type="checkbox"/> Cadmium Plated |
|--------------------------------|--------------------------------------|---|---|

LOCATION

| | | | | |
|---------------------------------|------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|
| <input type="checkbox"/> Buried | <input type="checkbox"/> Submerged | <input type="checkbox"/> Above Grade | <input type="checkbox"/> Below Grade | <input type="checkbox"/> Other |
|---------------------------------|------------------------------------|--------------------------------------|--------------------------------------|--------------------------------|

DIMENSIONAL DATA: Unless otherwise specified, threads shall be the coarse threaded series as specified in the latest issue of ANSI / ASME B1.1, page A-26. Having a class 2A tolerance. Grade A Bolts shall have Hex Bolt Dimensions as given in the latest issue of ANSI / ASME B 18.2.1, page C1. Unless otherwise specified Grade A Bolts should be used with Hex Nuts.

ADDITIONAL INFORMATION: Additional information can be found in ASTM A307A-07b, ASTM A563 -04a