

ASTM B150 is a standard material specification for rod, bar, and shapes for Copper Alloys including Nickel Aluminium Bronze Grade UNS C63000, having excellent corrosion resistance and is an ideal choice for valve and pump components, marine hardware and fasteners. Boltport uses C63000 round bars to ASTM this specification to manufacturer bolts, screws, studs, rods and custom bolting.



## Chemical Composition ( ASTM B150 UNS C63000 / CDA 630)

| Element | Al    | Cu + Ag   | Fe   | Ni + Co | Mn   | Si   | Sn   | Zn   |
|---------|-------|-----------|------|---------|------|------|------|------|
| Min     | 9.00  | ...       | 2.00 | 4.00    | ...  | ...  | ...  | ...  |
| Max     | 11.00 | Remainder | 4.00 | 5.50    | 1.50 | 0.25 | 0.20 | 0.30 |

\* Composition in Percentage, %

## Mechanical Properties (Temper HR50, Drawn & Stress Relieved)

| Cold Finished Size ==>> Inch. [mm]    | 1/2 [12] to 1 [25], incl | over 1 [25] to 2 [50], incl |
|---------------------------------------|--------------------------|-----------------------------|
| Ultimate Tensile Strength, ksi (Mpa)  | 100 [690]                | 90 [620]                    |
| 0.2% Yield strength, ksi (Mpa)        | 50 [345]                 | 45 [310]                    |
| % Elongation in 4 x Diameter, % (min) | 5                        | 6                           |



## Products

|       |        |       |      |
|-------|--------|-------|------|
| Bolts | Screws | Studs | Rods |
|-------|--------|-------|------|

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We are India's premium industrial fasteners manufacturer providing precision build fastening solution for various industrial platforms, throughout the globe. Specialised in high alloyed & ASTM Fasteners.

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