

ASTM A564 is a standard material specification for hot-rolled and cold-finished age-hardening stainless steel bars, including type 630 / UNS S17400 / 17-4 PH used for parts requiring corrosion resistance and high strength at room temperature, or at temperatures up to 600°F [315°C]. Boltport uses S17400 round bars to ASTM this specification to manufacturer bolts, screws, studs, rods and custom bolting.



Chemical Composition (ASTM A564 Type 630 / 1.4542 / UNS S17400)

| Element | C | Mn | P | S | Si | Cr | Ni | Cu | Nb + Ta |
|---------|------|------|-------|-------|------|-------|------|------|---------|
| Min | ... | ... | | | ... | 15.00 | 3.00 | 3.00 | 0.15 |
| Max | 0.07 | 1.00 | 0.040 | 0.030 | 1.00 | 17.50 | 5.00 | 5.00 | 0.450 |

Mechanical Properties (Condition H1075)

| Cold Finished Size ==>> | up-to 8 Inch (200mm) |
|--------------------------------------|----------------------|
| Ultimate Tensile Strength, ksi (Mpa) | 145 [1000] |
| 0.2% Yield strength, ksi (Mpa) | 125 [860] |
| % Elongation in 2 Inch, % (min) | 13 |
| Reduction of Area, % (min) | 45 |
| Hardness, HBW [HRC], min | 311 [32] |



Products

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

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