BS1501–161–360A/B Pressure Vessel Steel plate

1.Pressure Vessel Steel Home Page

BS 1501

161-360A/B | 161-430A/B | 223-490A/B | 224-460A/B | 224-490A/B | 225-490A/B

2.BS1501-161-360A/B pressure vessel steel has been superseded by the Euro Norm standard EN 10028 but we have included details for cross referencing purposes. BS-161-360A/B (often referred to as Grade 360A/B) is a British Standard specified steel which is ideal for use in fabricated steel pressure vessels and boilers.

3.The BS specification has now been superseded by the Euro Norm specification EN 10028, however, many companies in the industry still refer to this standard, so we have included details of the grade for cross reference purposes.

4.There are two types BS1501-161-360 available which are ...

Type A :Denotes specified min. room temperature tensile properties

Type B :As per Type A but with elevated temperature properties

Please refer to technical details for Grade 360A/B in the tables below. Current comparable grades are listed in the menu on the left hand side of this web page.

5.Table 1: Chemical Composition of BS1501-161-360A/B

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | | BS1501-161-360A/B | Element | | BS1501-161-360A/B |
| Carbon (C) | max. | 0.17% | Sulphur (S) | max. | 0.030% |
| Silicon (Si) | min. | 0.10% | \*Chromium (Cr) | max. | 0.25% |
| max. | 0.35% | \*Copper (Cu) | max. | 0.30% |
| Manganese (Mn) | min. | 0.40% | \*Molybdenum (Mo) | max. | 0.10% |
| max. | 1.20% | \*Nickel (Ni) | max. | 0.30 |
| Phosphorus (P) | max. | 0.030 |

\* Element accumulative total 0.70% max.

Table 2: Mechanical Properties of BS1501-161-360A/B

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Nominal Plate Thickness: | | Tensile Strength: | | Yield Strength: | Elongation: |
| Over (mm) | Up to and inc. (mm) | min. N/mm² | max. N/mm² | min. N/mm² | min. (%) |
| BS1501-161-360A/B | 3 | 16 | 360 | 480 | 205 | 26 |
| 16 | 40 |  |  | 195 | 26 |
| 40 | 63 |  |  | 185 | 25 |
| 63 | 100 |  |  | 175 | 24 |
| 100 | 150 |  |  | 170 | 24 |

(Please note: the technical information above is for guidance only – for exact specifications please check with our Sales Team)

6.To find out more about our pressure vessel and boiler quality steels and to receive a competitive quotation for the supply of the material, please contact us.