BS1501–161–430A/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.BS1501-161-430A/B is no longer available but current equivalents include ASTM A516 Grade 60 and P265GH. BS-161-430A/B is a British Standard specified steel which has now been superseded by the Euro Norm specification EN 10028.

3.As reference is still being made to this material by prospective clients, we have included details of BS -161-430A/B on this reference for information purposes. The steel is used in the fabrication of welded pressure vessels and boilers.

4.There are two types of BS1501-161-430 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 BS-161-430A/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 BS1501-161-430A/B

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Element | | BS1501-161-430A/B | Element | | BS1501-161-430A/B |
| Carbon (C) | max. | 0.25% | 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. | 0.60% | \*Molybdenum (Mo) | max. | 0.10% |
| max. | 1.40% | \*Nickel (Ni) | max. | 0.30 |
| Phosphorus (P) | max. | 0.030 |

Table 2: Mechanical Properties of BS1501-161-430A/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. (%) |
| BS1501-161-430A/B | 3 | 16 | 430 | 550 | 250 | 23 |
| 16 | 40 |  |  | 240 | 23 |
| 40 | 63 |  |  | 230 | 22 |
| 63 | 100 |  |  | 220 | 21 |
| 100 | 150 |  |  | 210 | 21 |

(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.