

Technical Specification References

| Classification | Specification | Designation of Grade | Mechanical Properties | | | | | Chemical Composition % | | | | | Bend Test (N2) | |
|----------------------------------------------------------|---------------|----------------------------|------------------------------------------|----------------------------------------|------------|------------------------------------------------------------------------|----------------------------|------------------------|-----------|-----------|----------|----------|--------------------------------|-----------------------------|
| | | | Tensile Strength N/mm ² | Yield Strength N/mm ² | Elongation | | | C Max | Si Max | Mn Max | P Max | S Max | Bending Angle | Bending Radius |
| | | | | | Test Piece | Thickness | % | | | | | | | |
| Hot Rolled Steel Plates and Sheets & Chequered Plates | JIS G 3131 | SPHC | 270 min | - | No 5 | 1.2mm & over, up to 1.6mm 1.6mm & over, up to 3.2mm 3.2mm & over | 27 min 29 min 31 min | 0.15 | - | 0.60 | 0.050 | 0.050 | 180° | Flat on itself 0.5t |
| | JIS G 3101 | SS 330 | 330 to 430 | 205 min | No 5 | 5mm & under | 26 min | - | - | - | 0.050 | 0.050 | 180° | 0.5t |
| | | SS 400 | 400 to 510 | 245 min | No 5 | 5mm & under | 21 min | - | - | - | 0.050 | 0.050 | 180° | 1.5t |
| | BSEN 10025 | S275JR | 410-560 (N3) | 275 min | - | 3.0mm & over, up to 4.0mm | 22 min | 0.24 | - | 1.60 | 0.055 | 0.055 | As specified in BS EN 10025 | |
| | | | | | | | | | | | | | ASTM A 36 | 22-min |
| Galvanised Steel Sheets | JIS G 3302 | SGCC | 270 min | 205 min | - | Up to 1.6mm 1.6mm & over, up to 3.0mm 3.0mm & over | - | - | - | - | - | - | 180° | t (N1) t (N1) 2t (N1) |
| | | SGHC | 270 min | 205 min | - | Up to 1.6mm 1.6mm & over, up to 3.0mm 3.0mm & over | - | - | - | - | - | - | 180° | t (N1) t (N1) 2t (N1) |
| Cold Rolled Steel Sheets | JIS G 3141 | SPCC | 270 min | - | No 5 | 0.6mm & over, up to 1.0mm | 36 min | 0.12 | - | 0.50 | 0.040 | 0.045 | 180° | Flat on itself |
| | | | | | | 1.0mm & over, up to 1.6mm | 37 min | | | | | | | |
| | | | | | | 1.6mm & over, up to 2.5mm | 38 min | | | | | | | |
| | | | | | | 2.5mm & over | 39 min | | | | | | | |

NOTES : (N1) - up to grade z27 maximum
(N2) - Bend Test test piece No.3
(N3) - 3mm ≤ nominal thickness ≤ 100mm
t - Thickness -