

Galvanised -Structural

| SPECIFICATION | GRADE | MECHANICAL PROPERTIES | | | | |
|--------------------------------------|------------------------|------------------------------|-------------------------------|--------------|----------------------|---------------------|
| | | Yield Strength (Mpa Min.) | Tensile Strength (Mpa Min) | % Elongation | Gauge Length (mm) | Direction (L / T ^) |
| ASTM 653/A STRUCTURAL | GradeSS 33[230] | 230 | 310 | 20 | 50 GL | L |
| | GradeSS 37[255] | 255 | 360 | 18 | 50 GL | L |
| | GradeSS 40[275] | 275 | 380 | 16 | 50 GL | L |
| | Grade 50 [340] class 1 | 340 | 450 | 12 | 50 GL | L |
| | Grade 50 [340] class 2 | 340 | * | 12 | 50 GL | L |
| | Grade 50 [340] class 3 | 340 | 480 | 12 | 50 GL | L |
| | Grade 80[550] | 550 | 570 | * | 50 GL | L |
| ASTM 653/A STRUCTURAL - HSLAS TYPE A | 40[275] | 275 | 340 | 22 | 50 GL | L |
| | 50[340] | 340 | 410 | 20 | 50 GL | L |
| | 60[410] | 410 | 480 | 16 | 50 GL | L |
| | 70[480] | 480 | 550 | 12 | 50 GL | L |
| | 80[550] | 550 | 620 | 10 | 50 GL | L |
| ASTM 653/A STRUCTURAL - HSLAS TYPE B | 40[275] | 275 | 340 | 24 | 50 GL | L |
| | 50[340] | 340 | 410 | 22 | 50 GL | L |
| | 60[410] | 410 | 480 | 18 | 50 GL | L |
| | 70[480] | 480 | 550 | 14 | 50 GL | L |
| JIS G 3302 | 80[550] | 550 | 620 | 12 | 50 GL | L |
| | SGC340 | 245 | 340 | 20 | 80 GL | L |
| | SGC400 | 295 | 400 | 18 | 80 GL | L |
| | SGC440 | 335 | 440 | 18 | 80 GL | L |
| | SGC490 | 365 | 490 | 16 | 80 GL | L |
| EN 10326 | SGC570 | 560 | 570 | * | 80 GL | L |
| | S220GD | 220 | 300 | 20 | 80 GL | L |
| | S250GD | 250 | 330 | 19 | 80 GL | L |
| | S280GD | 280 | 360 | 18 | 80 GL | L |
| | S320GD | 320 | 390 | 17 | 80 GL | L |
| | S350GD | 350 | 420 | 16 | 80 GL | L |
| | S550GD | 550 | 560 | * | 80 GL | L |
| AS 1397 | G250 | 250 | 320 | 25 | 22 | L |
| | G300 | 300 | 340 | 20 | 18 | L |
| | G350 | 350 | 420 | 15 | 14 | L |
| | G450 | 450 | 480 | 10 | 9 | L |
| | G500 | 500 | 520 | 8 | 7 | L |
| | G550 | 550 | 550 | 2 | 2 | L |

Note:

^ L - Lateral; T - Transverse