

saferail load tables

The design load is the Uniformly Distributed load applied horizontally to a handrail system at the design level.

The level considered for the design of handrail standards for platforms is above the walking level on platforms and 900mm high on stairs.

Maximum Centres of stanchions fixed to Steelwork

| Item | Size | Material Grade | 0.36kN/m (Medium Duty) | | | 0.74kN/m (Heavy Duty) | | |
|-------------|---------------------------|----------------|-----------------------------------|-----------------------------------|-----------------|------------------------------------|------------------------------------|-----------------|
| | | | Type D (Flat Base) 1100mm High | Type A (Side Palm) 1200mm High | Base Plates thk | Type GX (Flat Base) 1100mm High | Type FX (Side Palm) 1200mm High | Base Plates thk |
| Tubular Std | 33.7 o/d x 3.0 thk (25NB) | STRONGBOX S235 | 1135 | 1000 | 12 | 550 | 495 | 15 |
| Tubular Std | 42.4 o/d x 3.0 thk (32NB) | STRONGBOX S235 | 1890 | 1735 | 12 | 920 | 840 | 15 |
| Tubular Std | 48.3 o/d x 3.0 thk (40NB) | STRONGBOX S235 | 2185 | 2045 | 12 | 1215 | 1110 | 15 |
| Solid Std | 32 dia solid | S275 | 1400 | 1180 | 12 | 700 | 575 | 15 |
| Solid Std | 38 dia solid | S275 | 1950 | 1800 | 12 | 1150 | 1050 | 15 |
| Solid Std | 45 dia solid | S275 | 2225 | 2125 | 12 | 1575 | 1450 | 15 |

All loadings calculations are based on 33.7 o/d x 3.2mm thick handrail