

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)	Type A (Side Palm)	Base Plates thk	Type GX (Flat Base)	Type FX (Side Palm)	Base Plates thk
			1100mm High	1200mm High		1100mm High	1200mm High	
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