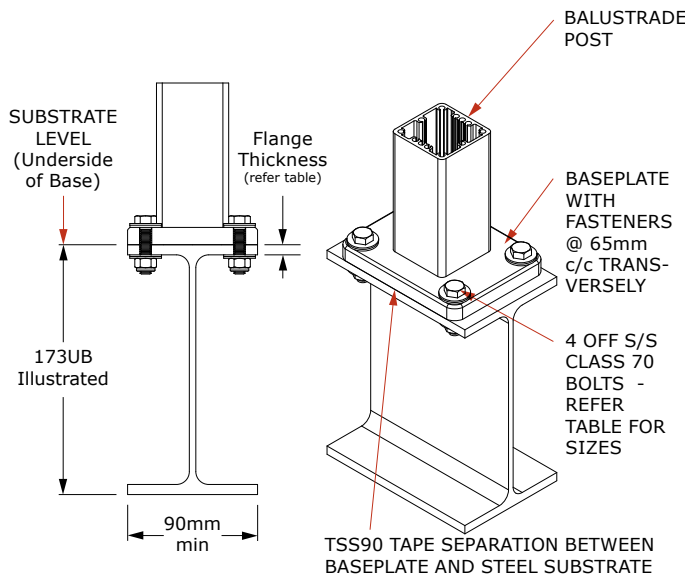


FIXING SPECIFICATIONS

NZBAL-C12.0 | SPEC ID FS.5T.01.00

STEEL - TOP FIXING, BOLTS, 65MM CRS

Refer to all notes on Pages 72 and 73 which shall apply to this specification and the relevant pages in Chapter 5 Installation Guides. Refer also to Chapter 2 for the Style Specification.



- All bolts, washers and nyloc nuts fixings shall be Class 70 316 stainless steel.
- Washers to be fitted under all bolts as follows;
 - For 8mm bolted - 22mm O.D. S/S washer (Part No. FW8-22) with a polymer washer (Part No. FWP8-22G) between the S/S washer, aluminium baseplate and the steel beam.
 - For 10mm tapped - 21mm O.D. S/S washer (Part No. FW10-21) with a polymer washer (Part No. FWP10-22G) between the S/S washer, aluminium baseplate and the steel beam.
- The maximum post spacing permitted is the LESSER of the spacing tabulated in the Style Specification in Section 3 and spacing shown on the table below.
- Substrate design, including waterproofing and the structural design of the steel substrate and its connections are not included in this specification and must be carried out by others.
- Baseplate 90 x 115mm with 4 x Ø11mm fixing holes, at 90mm centres;
 - BSMF** baseplate for **50x50mm** posts
 - BEMF** baseplate for **50x60mm** posts
- The steel beam shall be painted with a good quality paint system consisting of a primer and top coat.



MAXIMUM POST CENTRES 'S max' (metres)

ALWAYS TAKE THE LESSER OF THE VALUE BELOW AND THE VALUE FROM THE STYLE SPECIFICATION

Height ⁽³⁾	Baseplate Size D x W	Fasteners - Qty and Type ⁽²⁾	Flange Thickness (See diagram)	Line No.	LOADING CLASS ⁽¹⁾																		
					N07C/N07R								N03R	Not Preventing Fall									
					Design Wind Speed ⁽⁴⁾									Design Wind Speed ⁽⁴⁾									
					VH	EH	EH	EH	EH	EH	EH	EH		M	H	VH	EH						
1.0	90 x 115	4 x M8 BOLTS	NA	1	2.46	2.46	2.46	2.45	2.29	2.14	2.00	1.88	5.28	5.28	4.81	4.36	3.98	3.64	3.34	3.08	2.85	2.64	2.45
		4 x M10 TAP	7	2	1.50	1.50	1.50	1.50	1.39	1.30	1.22	1.14	3.22	3.22	2.94	2.66	2.43	2.22	2.04	1.88	1.74	1.61	1.50
1.1	90 x 115	4 x M8 BOLTS	NA	3	2.24	2.24	2.18	2.03	1.89	1.76	1.65	1.55	4.80	4.41	3.98	3.61	3.29	3.01	2.76	2.54	2.35	2.18	2.03
		4 x M10 TAP	7	4	1.36	1.36	1.33	1.24	1.15	1.08	1.01	0.94	2.93	2.69	2.43	2.20	2.00	1.83	1.68	1.55	1.43	1.33	1.24
1.2	90 x 115	4 x M8 BOLTS	NA	5	2.05	1.97	1.83	1.70	1.59	1.48	1.39	1.30	4.40	3.70	3.34	3.03	2.76	2.52	2.32	2.14	1.97	1.83	1.70
		4 x M10 TAP	7	6	1.25	1.20	1.12	1.04	0.97	0.90	0.85	0.79	2.69	2.26	2.04	1.85	1.68	1.54	1.41	1.30	1.20	1.12	1.04

- LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
- FASTENER DESIGNATIONS: M8 and M10 Fasteners in table refer to UNEX Part No's FB8 and FB10 bolts. "M8 Bolts" = bolted with washers and nyloc nuts. "M10 Tap" = bolts threaded into pre-tapped holes in the steel to good workmanship and threads completely smeared with lanoline grease.
- HEIGHT 'H': is the overall height of the balustrade above the substrate level shown. Interpolate for Heights between those shown.
- DESIGN WIND SPEED: in m/s, Refer to Pages 51 to 52 for details of applicable wind codes and the methods for determining the Design Wind Speed.

Specifications subject to change without notice