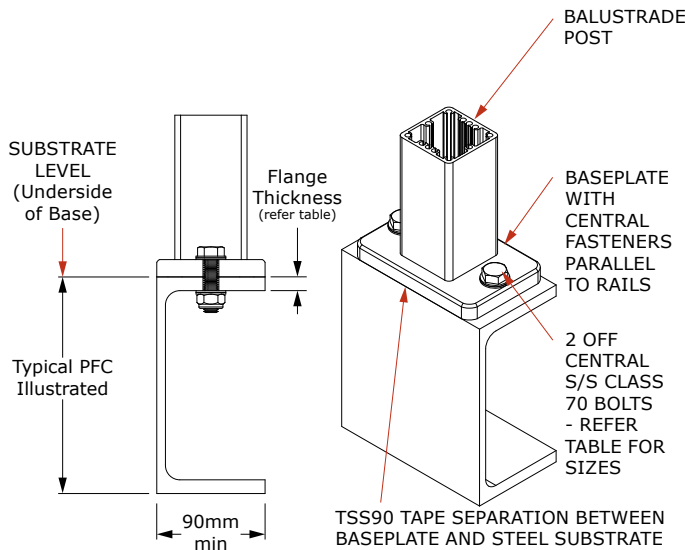


## STEEL - TOP FIXING, INLINE BOLTS

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 10mm bolted - 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.
  - For 12mm tapped - 24mm O.D. S/S washer (Part No. FW12-24) with a polymer washer (Part No. FWP12-22W) 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 2 x Ø13mm inline fixing holes, at 90mm centres; **BSMR** baseplate for **50x50mm** posts **BEMR** 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 <sup>(3)</sup>	Baseplate Size D x W	Fasteners - Qty and Type <sup>(2)</sup>	Flange Thickness (See diagram)	Line No.	LOADING CLASS <sup>(1)</sup>																		
					N07C/N07R								N03R	Not Preventing Fall									
					Design Wind Speed <sup>(4)</sup>									Design Wind Speed <sup>(4)</sup>									
					VH		EH		VH		EH			M		H		VH		EH			
50	52	54	56	58	60	62	64	N/A	38	40	42	44	46	48	50	52	54	56					
<b>1.0</b>	90 x 115	2 x M10 BOLTS	NA	1	1.48	1.48	1.48	1.47	1.37	1.28	1.20	1.13	3.18	3.18	2.89	2.62	2.39	2.19	2.01	1.85	1.71	1.59	1.47
		2 X M12 TAP	9	2	1.34	1.34	1.34	1.33	1.24	1.16	1.08	1.02	2.87	2.87	2.61	2.37	2.16	1.97	1.81	1.67	1.54	1.43	1.33
		2 X M12 TAP	11+	3	1.48	1.48	1.48	1.47	1.37	1.28	1.20	1.13	3.18	3.18	2.89	2.62	2.39	2.19	2.01	1.85	1.71	1.59	1.47
<b>1.1</b>	90 x 115	2 x M10 BOLTS	NA	4	1.34	1.34	1.31	1.22	1.13	1.06	0.99	0.93	2.89	2.65	2.39	2.17	1.98	1.81	1.66	1.53	1.41	1.31	1.22
		2 X M12 TAP	9	5	1.21	1.21	1.18	1.10	1.02	0.96	0.90	0.84	2.61	2.39	2.16	1.96	1.78	1.63	1.50	1.38	1.28	1.18	1.10
		2 X M12 TAP	11+	6	1.34	1.34	1.31	1.22	1.13	1.06	0.99	0.93	2.89	2.65	2.39	2.17	1.98	1.81	1.66	1.53	1.41	1.31	1.22
<b>1.2</b>	90 x 115	2 x M10 BOLTS	NA	7	1.23	1.19	1.10	1.02	0.95	0.89	0.83	0.78	2.65	2.23	2.01	1.82	1.66	1.52	1.39	1.28	1.19	1.10	1.02
		2 X M12 TAP	9	8	1.11	1.07	0.99	0.92	0.86	0.80	0.75	0.71	2.39	2.01	1.81	1.64	1.50	1.37	1.26	1.16	1.07	0.99	0.92
		2 X M12 TAP	11+	9	1.23	1.19	1.10	1.02	0.95	0.89	0.83	0.78	2.65	2.23	2.01	1.82	1.66	1.52	1.39	1.28	1.19	1.10	1.02

- LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
- FASTENER DESIGNATIONS: M10 and M12 Fasteners in table refer to UNEX Part No's FB10 and FB12 bolts. "M10 Bolts" = bolted with washers and nyloc nuts. "M12 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.