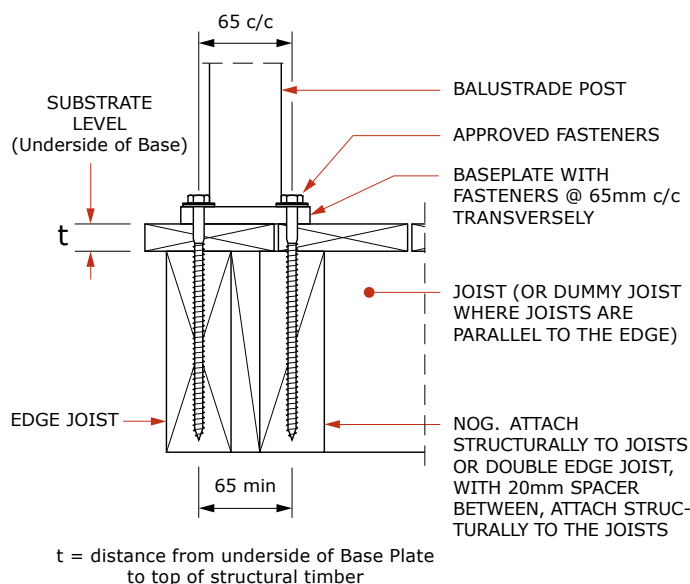


FIXING SPECIFICATIONS

NZBAL-C12.0 | SPEC ID FS.2T.01.00

WET TIMBER - TOP FIXING, 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.



- For details of approved fasteners refer to General Notes on Page 72 note 3.
- Washers to be fitted under screw and bolt heads shall be as follows
 - For 6mm fasteners - washer supplied with fasteners.
 - For FC8-165 fasteners - washer supplied with fasteners.
 - For 8mm bolts - 22mm O.D. S/S washer (Part No. FW8-22) with a polymer washer (Part No. FWP8-22G) between the S/S and the aluminium.
 - For Washers bearing against timber use 50 x 50 x 3mm stainless steel washers Part No FW10-50SQ.
- Substrate design including waterproofing and the structural design of the timber substrate and its connections are not included in this specification and must be carried out by others.
- Important, the FC8-165 coachscrews in this specification are to be used with the "Sika Supergrip 2 Hour" adhesive system (TASG).



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⁾ | t' (See diagram) | Line No. | LOADING CLASS ⁽¹⁾ | | | | | | | | | | | | | | | | | | |
|-----------------------|----------------------|---|------------------|----------|----------------------------------|------|------|------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|------|
| | | | | | N07C/N07R | | | | | | | | N03R | Not Preventing Fall | | | | | | | | | |
| | | | | | Design Wind Speed ⁽⁴⁾ | | | | | | | | | Design Wind Speed ⁽⁴⁾ | | | | | | | | | |
| | | | | | 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 | | | | | |
| 1.0 | 90 x 115 | 4 x FC8-165 | 19 | 1 | 1.11 | 1.11 | 1.11 | 1.11 | 1.04 | 0.97 | 0.91 | 0.85 | 2.39 | 2.09 | 2.09 | 1.97 | 1.80 | 1.65 | 1.51 | 1.39 | 1.29 | 1.19 | 1.11 |
| | 90 x 115 | 4 x FC8-165 | 25 | 2 | 1.08 | 1.08 | 1.08 | 1.07 | 1.00 | 0.93 | 0.87 | 0.82 | 2.30 | 2.02 | 2.02 | 1.91 | 1.74 | 1.59 | 1.46 | 1.34 | 1.24 | 1.15 | 1.07 |
| | 90 x 115 | 4 x FC8-165 | 32 | 3 | 1.03 | 1.03 | 1.03 | 1.02 | 0.95 | 0.89 | 0.83 | 0.78 | 2.20 | 1.93 | 1.93 | 1.82 | 1.66 | 1.52 | 1.39 | 1.28 | 1.19 | 1.10 | 1.02 |
| | 90 x 115 | 4 x M8 Bolts | N/A | 4 | 1.34 | 1.34 | 1.34 | 1.33 | 1.24 | 1.16 | 1.09 | 1.02 | 2.87 | 2.51 | 2.51 | 2.37 | 2.16 | 1.98 | 1.82 | 1.67 | 1.55 | 1.43 | 1.33 |
| 1.1 | 90 x 115 | 4 x FC8-165 | 19 | 5 | 1.01 | 1.01 | 0.99 | 0.92 | 0.86 | 0.80 | 0.75 | 0.70 | 2.17 | 1.73 | 1.73 | 1.63 | 1.49 | 1.36 | 1.25 | 1.15 | 1.06 | 0.99 | 0.92 |
| | 90 x 115 | 4 x FC8-165 | 25 | 6 | 0.98 | 0.98 | 0.95 | 0.89 | 0.83 | 0.77 | 0.72 | 0.68 | 2.10 | 1.67 | 1.67 | 1.57 | 1.43 | 1.31 | 1.21 | 1.11 | 1.03 | 0.95 | 0.89 |
| | 90 x 115 | 4 x FC8-165 | 32 | 7 | 0.93 | 0.93 | 0.91 | 0.85 | 0.79 | 0.74 | 0.69 | 0.65 | 2.00 | 1.59 | 1.59 | 1.50 | 1.37 | 1.25 | 1.15 | 1.06 | 0.98 | 0.91 | 0.85 |
| | 90 x 115 | 4 x M8 Bolts | N/A | 8 | 1.22 | 1.22 | 1.19 | 1.10 | 1.03 | 0.96 | 0.90 | 0.84 | 2.61 | 2.07 | 2.07 | 1.96 | 1.79 | 1.63 | 1.50 | 1.38 | 1.28 | 1.19 | 1.10 |
| 1.2 | 90 x 115 | 4 x FC8-165 | 19 | 9 | 0.93 | 0.89 | 0.83 | 0.77 | 0.72 | 0.67 | 0.63 | 0.59 | 1.99 | 1.45 | 1.45 | 1.37 | 1.25 | 1.14 | 1.05 | 0.97 | 0.89 | 0.83 | 0.77 |
| | 90 x 115 | 4 x FC8-165 | 25 | 10 | 0.90 | 0.86 | 0.80 | 0.74 | 0.69 | 0.65 | 0.61 | 0.57 | 1.92 | 1.40 | 1.40 | 1.32 | 1.21 | 1.10 | 1.01 | 0.93 | 0.86 | 0.80 | 0.74 |
| | 90 x 115 | 4 x FC8-165 | 32 | 11 | 0.86 | 0.82 | 0.76 | 0.71 | 0.66 | 0.62 | 0.58 | 0.54 | 1.83 | 1.34 | 1.34 | 1.26 | 1.15 | 1.05 | 0.97 | 0.89 | 0.82 | 0.76 | 0.71 |
| | 90 x 115 | 4 x M8 Bolts | N/A | 12 | 1.12 | 1.07 | 1.00 | 0.93 | 0.86 | 0.81 | 0.76 | 0.71 | 2.39 | 1.74 | 1.74 | 1.65 | 1.50 | 1.37 | 1.26 | 1.16 | 1.07 | 1.00 | 0.93 |

- LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
- FASTENER DESIGNATIONS: beginning with 'F' are part numbers for fasteners supplied by UNEX eg. FC8-165: FC = Coach Screw Stainless Steel, 8 = 8mm diameter, 165 = length in mm; Substitution with other fasteners is not permitted.
- 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