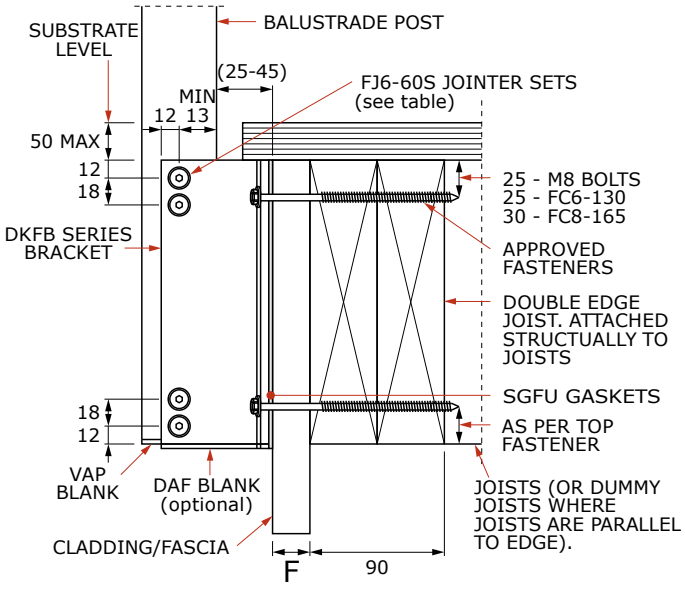
# DRY TIMBER - DKFB FIXING, SCREWS, 90MM EDGE JOIST

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.

## VPH2 & VPE POST TYPES ONLY




1. For details of approved fasteners refer to General Notes on Page 72 note 3.
2. The post spacings shown are based on the fixing screws having Fully Developed Thread - FDT (i.e. excluding the unthreaded shank) engaging with 84mm of the timber joist. This will exist if dimension 'F' on the diagram (i.e. the distance from the back of the bracket to the face of the timber joist) is within the following limits:
   - FC8-165 9mm to 40mm
   - FC6-130 25mm to 35mm

   Where this does not occur, the post spacing must be reduced by the proportion of thread engagement to 84mm. Check suitability of screw protrusion on the inside where this may occur.
3. Posts are attached to DKFB series brackets using the number of sets of FJ6-60S jointer bolts/nuts shown in the table.
4. Fit neoprene backed S/S washers or S/S washers and polymer washers under heads of bolts and screws as described in FS.1S.02.01 on Page 78 (screws) and FS.1S.06.01 on Page 83 (bolts).
5. At 90° corners, set posts back from corners as required for fixings to engage with joists and overhang the rails as required to obtain 100mm maximum gap.
6. Substrate design including waterproofing and the structural design of the timber members and their connections to each other are to be designed by others.

## MAXIMUM POST CENTRES 'S max' (metres)

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

| Height[3] | Post Type | Joist Size | Fasteners - Qty and Type[2] | Line No. | LOADING CLASS[1] | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | N07C/N07R | | | | | | | | N03R | Not Preventing Fall | | | | | | | | |
| | | | | | Design Wind Speed[4] | | | | | | | | | Design Wind Speed[4] | | | | | | | | |
| | | | | | 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** | VPH2 - 4 x FJ6-60S | 140 | 2 x M8 Bolts | 1 | 1.02 | 1.02 | 1.02 | 1.02 | 0.97 | 0.91 | 0.85 | 0.80 | 2.19 | 2.00 | 2.00 | 1.86 | 1.69 | 1.55 | 1.42 | 1.31 | 1.21 | 1.12 | 1.04 |
| | | 140 | 4 x FC8-165 | 2 | 1.13 | 1.13 | 1.13 | 1.13 | 1.06 | 0.99 | 0.93 | 0.87 | 2.43 | 2.21 | 2.21 | 2.02 | 1.84 | 1.68 | 1.55 | 1.43 | 1.32 | 1.22 | 1.14 |
| | | 140 | 4 x FC6-130 | 3 | - | - | - | - | - | - | - | - | - | 1.53 | 1.53 | 1.43 | 1.31 | 1.19 | 1.10 | 1.01 | 0.93 | 0.87 | 0.81 |
| | | 190 | 4 x FC6-130 | 4 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.03 | 0.96 | 0.90 | 2.37 | 2.16 | 2.16 | 2.10 | 1.91 | 1.75 | 1.61 | 1.48 | 1.37 | 1.27 | 1.18 |
| | | 240 | 4 x FC6-130 | 5 | 1.25 | 1.25 | 1.25 | 1.17 | 1.09 | 1.02 | 0.96 | 0.90 | 2.67 | 2.46 | 2.30 | 2.09 | 1.90 | 1.74 | 1.60 | 1.47 | 1.36 | 1.26 | 1.17 |
| **1.0** | VPE - 4 x FJ6-60S | 140 | 2 x M8 Bolts | 6 | 1.02 | 1.02 | 1.02 | 1.02 | 0.97 | 0.91 | 0.85 | 0.80 | 2.19 | 2.00 | 2.00 | 1.86 | 1.69 | 1.55 | 1.42 | 1.31 | 1.21 | 1.12 | 1.04 |
| | | 140 | 4 x FC8-165 | 7 | 1.13 | 1.13 | 1.13 | 1.13 | 1.06 | 0.99 | 0.93 | 0.87 | 2.43 | 2.21 | 2.21 | 2.02 | 1.84 | 1.68 | 1.55 | 1.43 | 1.32 | 1.22 | 1.14 |
| | | 140 | 4 x FC6-130 | 8 | - | - | - | - | - | - | - | - | - | 1.53 | 1.53 | 1.43 | 1.31 | 1.19 | 1.10 | 1.01 | 0.93 | 0.87 | 0.81 |
| | | 190 | 4 x FC6-130 | 9 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.03 | 0.96 | 0.90 | 2.37 | 2.16 | 2.16 | 2.10 | 1.91 | 1.75 | 1.61 | 1.48 | 1.37 | 1.27 | 1.18 |
| | | 240 | 4 x FC6-130 | 10 | 1.40 | 1.40 | 1.40 | 1.40 | 1.31 | 1.23 | 1.15 | 1.08 | 3.00 | 2.74 | 2.74 | 2.50 | 2.28 | 2.09 | 1.92 | 1.77 | 1.63 | 1.52 | 1.41 |

1. LOADING CLASS: Refer to Page 176 for the scope of the Loading Class designations.
2. 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.
3. HEIGHT 'H': is the overall height of the balustrade above the substrate level shown. Interpolate for Heights between those shown.
4. 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.