

Fixings

Fix using either Type A, 30 x 3.75mm Sherardised Square Twist Nails OR Type B, 35 x 3.75mm. Sherardised Square Twist nails in all pre-punched holes

Fixings						
Type	Description	Finish	d^1 (mm)	l (mm)	f_{ax,k^2} (N/mm ²)	f_{u4} (N/mm ²)
A	Square twist nails - Normally supplied loose for manual fixing	Sherardized	3.4	30	4.78	600
B	Square twist nails - Normally supplied collated for a nailing tool	Sherardized	3.4	35	4.30	700

This diameter is the minimum cross-section dimension in accordance with EN 14592.
Square twist nails are often described in the market by their largest cross-section dimension, so that a 3.4 mm diameter nail will be sold as being 3.75 mm diameter.

In timber with a characteristic density ρ_k of 350 kg/m³, i.e. C24 timber.
At other values of ρ_k the value is modified so

$$f_{ax,k} = f_{ax,k} \cdot \min\left(\frac{\rho_k}{350}, 1.1\right)$$

Installation

BPC Connectors are deemed fit for their intended use provided:

- The joints are designed in accordance with Eurocode 5 or an appropriate National Code using the characteristic values given in the Annexes. Design and detailing of structures should be carried out by suitably experienced persons in accordance with the manufacturer's instructions.
- Sides of the hanger should be at least 60% of the timber height to prevent rotation.
- Joist ends to be cut square with no more than 6mm gap from the rear of the hanger.
- Verifiable calculation, notes and drawings are prepared taking account of the loads to be carried
- The widths of the joist narrower than the exact joist hanger width does not exceed the tolerance of +0/-4mm to the joist hanger width
- The header supporting the joist is adequately restrained against rotation.
- Specified fasteners are installed in all available holes of the same diameter.