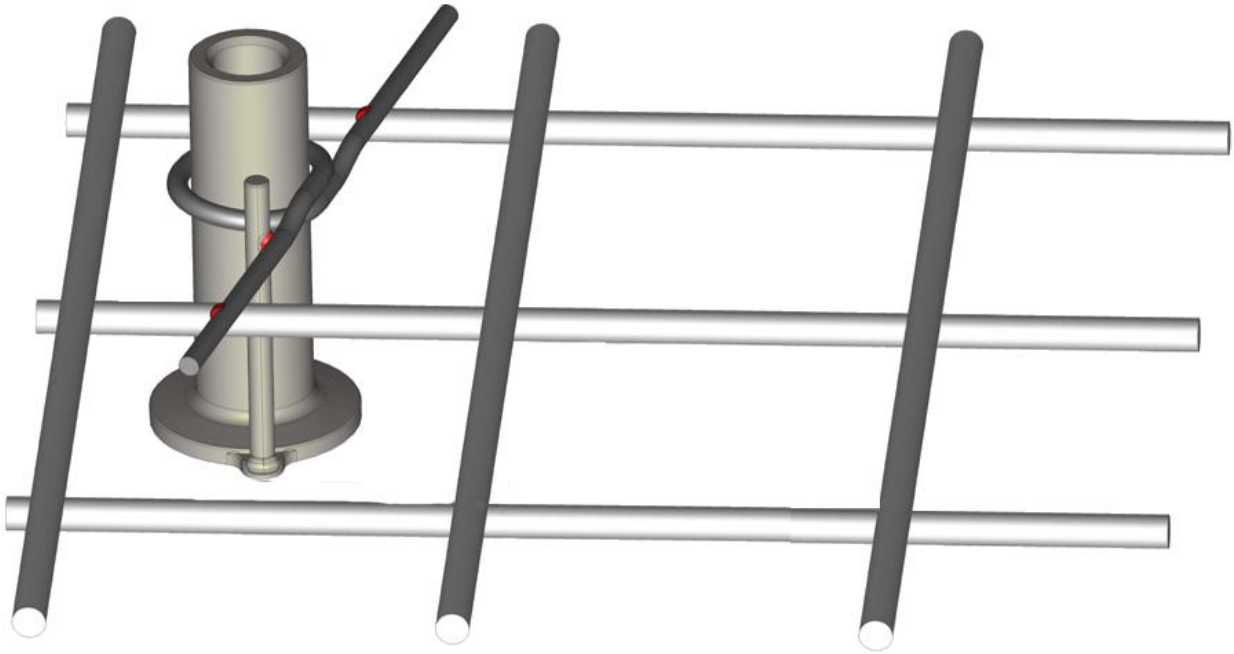


PSA Floating Ferrule

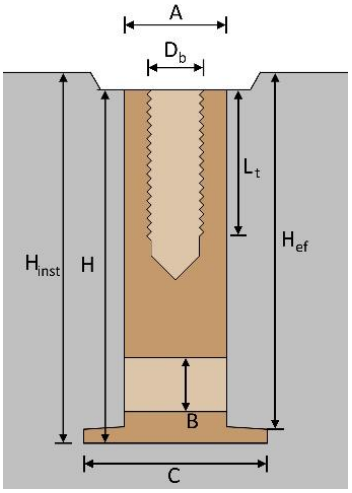
A new, smart way to securely fasten ferrules in the near surface of precast concrete panels

PSA FLOATING FERRULE

For applications where ferrules are positioned near the concrete surface—and where the finish of the far face is critical, such as when form liners are used—traditional chairs generally cannot be used to support the ferrules. For these situations, PSA provides the PSA Floating Ferrule in combination with the Floating Ferrule Wire.

This patented system incorporates a pin welded to the base of the ferrule, enabling the ferrule to be attached to a wire that rests on the top reinforcement layer of the concrete member. This approach removes the need for tag welding directly onto the ferrule body, thereby eliminating potential issues such as corrosion or alterations to the ferrule's material properties.

Product Overview PSA Floating Ferrule - Galvanised Finish		
Part No.	Description	Thread D_b
FFP1275GF	PSA Floating Ferrule M12 x 75, galvanised	M12
FFP1675GF	PSA Floating Ferrule M16 x 75, galvanised	M16
FFP1696GF	PSA Floating Ferrule M16 x 96, galvanised	M16
FFP2075GF	PSA Floating Ferrule M20 x 75, galvanised	M20
FFP2096GF	PSA Floating Ferrule M20 x 96, galvanised	M20
FFP2496GF	PSA Floating Ferrule M24 x 96, galvanised	M24



Dimensions PSA Floating Ferrules			
Part No.	Ferrule Length H (mm)	Outer Diameter A (mm)	Thread Length L_t (mm)
FFP1275GF	75	28	35
FFP1675GF	75	28	35
FFP1696GF	96	28	45
FFP2075GF	75	28	35
FFP2096GF	96	28	45
FFP2496GF	96	32	45

PSA FLOATING FERRULE WIRE LOOPS

To connect the PSA Floating Ferrule to the reinforcement cage, two types of wire loops are available. A straight wire loop is used for panels with two layers of reinforcement, where the PSA Floating Ferrule attaches to the upper reinforcement layer. For applications with a single central reinforcement layer, a bent wire loop is available. This design ensures the ferrule can be positioned approximately 40 mm above the central reinforcement layer.

Product Overview PSA Floating Ferrule Wire Loops			
Part No.	Description	Fitting for Ferrules	Offset (mm)
FFPLWF20	Floating Ferrule Wire Loop Flat up to M20	FFP1275GF, FFP1675GF, FFP1696GF, FFP2075GF, FFP2096GF	-
FFPLWB2040	Floating Ferrule Wire Loop Bent up to M20 – 40mm high		40
FFPLWF24	Floating Ferrule Wire Loop Flat M24	FFP2496GF	-
FFPLWB2440	Floating Ferrule Wire Loop Bent M24 – 40mm high		40

FFPLWF20

FFPLWF2040

INSTALLATION OF PSA FLOATING FERRULES

For the installation process, the ferrule is positioned on a temporary block to ensure it is set at the correct height. Once its location has been verified in all three dimensions, the floating ferrule wire loop is placed around the ferrule and rested on the reinforcement bars of the top reinforcement layer. The wire loop is then tack welded to both the ferrule's connection pin and the reinforcement bars. After welding is complete, the temporary installation block is removed.

The PSA Floating Ferrule can be used in conjunction with antennae pins or nailing plates to ensure the threaded opening is protected from ingress during the pour and the ferrule can be easily located after the pour.

psa.com.au

MELBOURNE

PSA Victoria (Head Office)
T: (03) 9764 0031
E: vic@psa.com.au (General enquiries)
E: vic@psabraces.com.au (Brace hire)
1257 Ferntree Gully Rd, Scoresby VIC 3179

BRISBANE

PSA Queensland
T: (07) 3279 4555
E: qld@psa.com.au (General enquiries)
E: qld@psabraces.com.au (Brace hire)
136 Mica St, Carole Park QLD 4300

SYDNEY

PSA New South Wales
T: (02) 9756 2756
E: nsw@psa.com.au (General enquiries)
E: nsw@psabraces.com.au (Brace hire)
13-15 Penelope Cres, Arndell Park NSW 2148

PERTH

PSA Western Australia
T: (08) 9439 6405
E: wa@psa.com.au (General enquiries)
E: wa@psabraces.com.au (Brace hire)
9 Yeates Rd, Kwinana Beach WA 6167

TOWNSVILLE

PSA Queensland
T: 0408 339 836
E: qld@psa.com.au (General enquiries)
E: qld@psabraces.com.au (Brace hire)
27-31 Taryn Street, Mount St John QLD 4818

ADELAIDE

PSA South Australia
T: 0409 041 099
E: sa@psa.com.au (General enquiries)
E: sa@psabraces.com.au (Brace hire)
U1/17 Ceafield Rd, Para Hills West SA 5096

© Copyright 2026 Plastic Solutions Australia (PSA). All information contained in this document is provided in good faith and is accurate to the best of PSA's knowledge as of the date of publication. However, this information is subject to change without prior notice. The technical data, drawings, and recommendations provided herein are based on current knowledge and industry practices. PSA makes no representations or warranties, express or implied, regarding the suitability, accuracy, or completeness of the information for any specific application. It is the responsibility of appropriately qualified and competent professionals to assess the suitability of the information and interpret it accurately in the context of the specific project requirements and relevant local regulations. PSA shall not be liable for any direct, indirect, or consequential damages arising from the use or reliance on this information. PSA reserves the right to modify product designs, specifications, and details as part of its policy of continuous improvement and development.