PWR
Partition Wall Restraint

SIMPSON Strong-Tie

The PWR connector is used to laterally restrain the top of a non-load bearing partition wall by connecting it to the floor joists above. The tapered slot allows for joist deflection when it is loaded, while still restraining the partition wall.

• Provides lateral restraint to non-load bearing partition walls.
• Allows joist deflection.

Features

Material

• Pre-galvanised mild steel
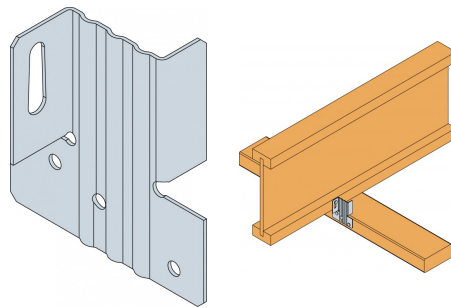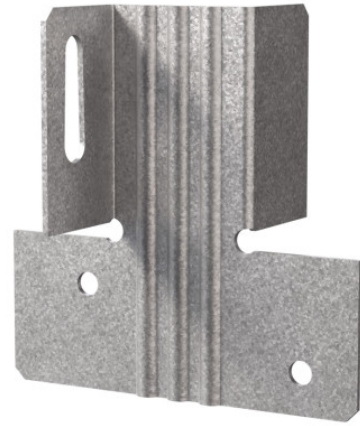
Technical Data

Dimensions & Performance Values

| References | Dimensions and drill holes [mm] | | | | | | Fixing | |
| | A | B | C | D | E | Thickness | Flange A | Flange D |
							Ø4.1	Tapered Slot
PWR15	65	36	65	20	15	1	3	1

1. 3.75x30 refers to a Galavanised or Sheradised Square Twist Nail

Performance Values

| References | Fasteners | | Safe Working Loads [kN] |
| | Flange A | Flange D | $R_{4,SWL, Short Term}$ |
			N3.75x30
PWR15	3	1	0.5

Installation

Installation

- Position the connector on top of the header rail and against the floor joist.
- Secure the connector to the header rail with the specified fasteners.
- The bottom of the location tab should sit on the top of the header rail.
- Secure the connector to the joist with the specified fasteners, allowing a 1-2mm gap between the underside of the fastener head and the PWR connector.
- The fastener MUST be installed at the top of the tapered slot as this allows for the deflection of the joist.
- Maximum gap between the partition and the joist is 15mm.
- **PLEASE NOTE:** The fastener into the joist MUST be hand nailed to ensure the gap between the underside of the nail head and the PWR connector is maintained

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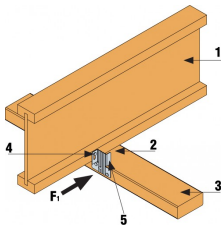
1. Floor Joist 2. 15mm gap between joist and header rail. 3. Header Rail of partition 4. 1-2mm gap between fastener head and connector. 5. Location Tab.

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