



#3 Phillips



Applications

- Steel framing systems
- Bracketry to steel
- Wind posts

Installation Guidelines

- RG Roofgrip fasteners must penetrate steel deck a minimum of 19mm, timber plank a minimum of 25mm and 12mm through plywood panels.

- Using a screw gun*, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple.

- Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate does not turn.

* For best installation result, use a variable speed 0-2500 RPM screw gun.

FM approved stress plate for use with Roofgrip range



DESCRIPTION	Eurocode
50mm Round Galvalume Metal	921198

→ For fixing insulation and single ply membrane to steel and timber

Technical Data for #3 Phillips Head

SCREW TYPE	Total Length	Diameter	Steel Thickness	Max future thickness when fixed into			Eurocode
				steel*	plywood**	50mm timber plank**	
RG41	41mm	6.3mm	0.4mm - 1.2mm	22mm	29mm	16mm	921191
RG57	57mm	6.3mm	0.4mm - 1.2mm	38mm	45mm	32mm	921192
RG75	75mm	6.3mm	0.4mm - 1.2mm	56mm	63mm	50mm	921193
RG82	82mm	6.3mm	0.4mm - 1.2mm	63mm	70mm	55mm	921195
RG96	96mm	6.3mm	0.4mm - 1.2mm	77mm	84mm	71mm	921196
RG111	111mm	6.3mm	0.4mm - 1.2mm	92mm	99mm	86mm	921186
RG126	126mm	6.3mm	0.4mm - 1.2mm	107mm	114mm	101mm	921187
RG151	151mm	6.3mm	0.4mm - 1.2mm	132mm	139mm	126mm	921188
RG177	177mm	6.3mm	0.4mm - 1.2mm	158mm	165mm	152mm	921189
RG202	202mm	6.3mm	0.4mm - 1.2mm	183mm	190mm	177mm	921190

*Roofgrip fastener must penetrate steel deck by a minimum of 19mm.

**Roofgrip fastener must penetrate plywood by a minimum of 12mm and 50mm plank by a minimum of 25mm.

Performance Data

Recommended Pullout Values - Steel*

Steel Thickness					
0.4mm	0.5mm	0.6mm	0.7mm	0.9mm	1.2mm
0.36kN	0.41kN	0.48kN	0.67kN	0.74kN	0.80kN

* Pullout values for steel decks may be subject to variation due to deck tolerances and tensile strength of steel.

Recommended Pullout Values - Timber**

Timber Type				
11mm OSB	12mm Plywood	15mm Plywood	18mm Plywood	50mm Plank
0.47kN	0.53kN	0.68kN	0.78kN	1.08kN

** Pullout values for timber may be subject to variation due to differences in species of wood and plywood grade

Shear Values

Ultimate	Recommended
3.67	1.2kN

Typical Performance Parameters

Coating and corrosion resistance - CR-10

- CR-10 coating protects against rust and exceeds the rigorous ASTM B-117 5% salt spray corrosion and DIN 50018 acid rain tests by offering protection over 120 hours salt spray and 30 cycles Kesternich.

Teks®, Climaseal® and Spex™ are trademarks of ITW Buildex and Illinois Tool Works, Inc.