

TECHNICAL DATA SHEET

FASTEC RS 4.8 FASTENERS

The Fastec RS 4.8 range is designed to achieve excellent performance when fastening to timber and steel decks. For use with the Fastec tube washer range and Fastec pressure plates.



For fastening to steel thickness 0.7 - 1.2mm and timber decking.

Drive style TX25

Thread length 75mm

MINIMUM FASTENER PENETRATIONS

Steel (0.7 - 1.2mm):	15mm through underside
Plywood/OSB (min 18mm thickness):	12mm through underside
Timber purlins:	35mm embedment
Timber decking (min 25mm thickness):	12mm through underside

TENSILE AND SHEAR STRENGTHS (kN)

Fastener	Tensile strength	Shear strength
RS 4.8	14.8	9.8

PULL-OUT VALUES IN STEEL DECKING OR PURLINS (kN)

Fastener	Steel Thickness (mm)			
	0.7	0.9	1.2	1.6
RS 4.8	1.3	1.8	2.4	-

Steel sheet S280 GD according to EN 10346

PULL-OUT VALUES IN TIMBER (kN)

Fastener	18mm	18mm	25mm	Softwood
	plywood	OSB	s/wood boarding	purlin/ rail
RS 4.8	3.2	-	-	2.9

FASTENER SIZES

Product Code
RS 4.8 x 40mm
RS 4.8 x 60mm
RS 4.8 x 80mm
RS 4.8 x 100mm
RS 4.8 x 120mm
RS 4.8 x 140mm
RS 4.8 x 160mm
RS 4.8 x 180mm
RS 4.8 x 200mm

1 kN = 1000 Newton force 10N = 1 Kgf

All values shown are typical test results and do not include safety factors and should be taken as a guide for design purposes only. Specific application details may be critical to the design. Please call the Fastec sales office for technical information for your application, or we can arrange for a site-specific pull-out test.

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