



PRODUCT DATA



RWA22 Solar Screw Kit Steel - 304 Stainless

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Solar panel screw kit, assembled with one EPDM sealing washer, one washer and four hex nuts. Pre-drilled hole required.

For the mounting of solar panels on **metal framed** roof structures. Suitable to be used with most types of roof cladding.

Applications	Trades
<ul style="list-style-type: none"> Solar panel installation External roof bracket 	<ul style="list-style-type: none"> Roofers Solar Panel Installers

Material	 304 304 Stainless
Finish	 304 304 Stainless

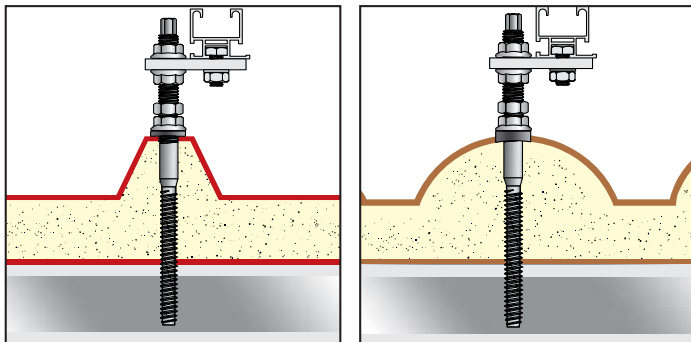
Solar Panel Screw Assembly - Steel

Features

- Supplied assembled
- External Hex Drive
- Screw thread: Pre-drilled hole required
- Fixing into steel battens or brackets.



Installation

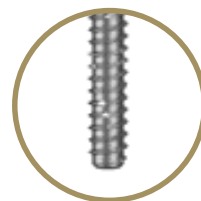


* Additional locking nut supplied if required

RWA22 Solar Screw Kit includes:

- 1 x EPDM based TPV (thermoplastic vulcanizates) sealing washer - black.
- 1 x 304 S/S washer (ISO 7089 / DIN 125).
- 2 x 304 S/S hex nuts (DIN 934).
- 2 x 304 S/S hex flanged nuts with locking serration (ISO 4161 / DIN 6923).

CONSTRUCT



Self Tapping Thread

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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

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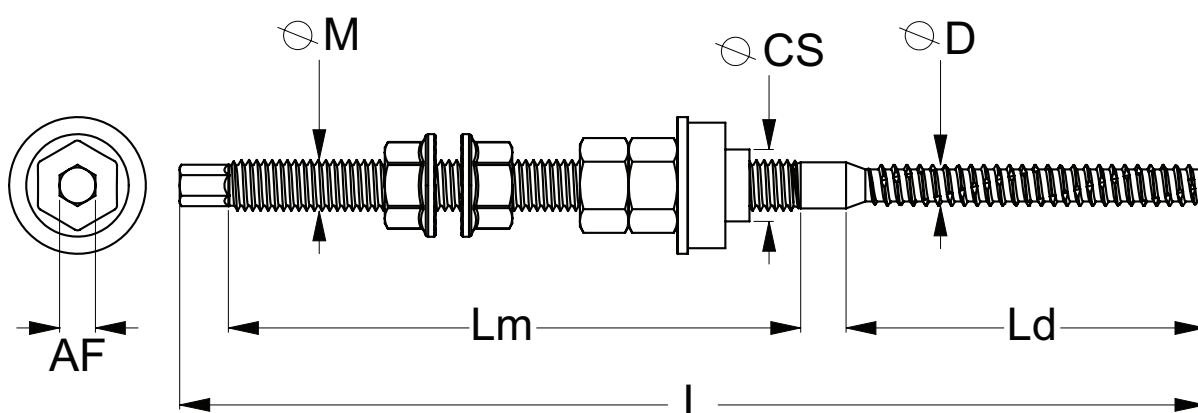


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Part	QFind	Size	Diameter	Diameter	Length	Thread Length	Thread Length	Across Flats	Cladding Seal Hole	Pack Qty
		ØM	ØM	ØD	L	Lm	Ld	AF	ØCS Dia	
			(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
MTFERWA2208200	RWA2208200	M10	10	8	200	110	70	7	14	25
MTFERWA2208250	RWA2208250	M10	10	8	250	160	70	7	14	25



Thickness of steel supporting	Recommended pre-drilled hole	Characteristic pull out resistance			Characteristic shear resistance			Maximum setting torque
		(kN)			(kN)			(Nm)
(mm)	Ø (mm)	Steel grade			Steel grade			
		S235	S275	S355	S235	S275	S355	
2.00	6.8	2.20	2.50	3.00	11.0	12.0	14.0	18
2.50		4.70	5.30	6.35	13.0	15.0	16.5	
2.65		4.74	5.36	6.43	14.0	16.0		
3.00		4.80	5.40	6.50	16.0	16.5		
4.00		9.59	10.83	13.00	16.5			
5.00		11.00	12.40	14.90				
6.00	7.0	14.35	16.25	19.50				
8.00	7.2	16.95	19.15	23.00				
10.00	7.2	18.00	20.34	24.40				

Note: Characteristic Load/Strength: 95% of these screws are expected to have a strength greater than the loads shown.

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