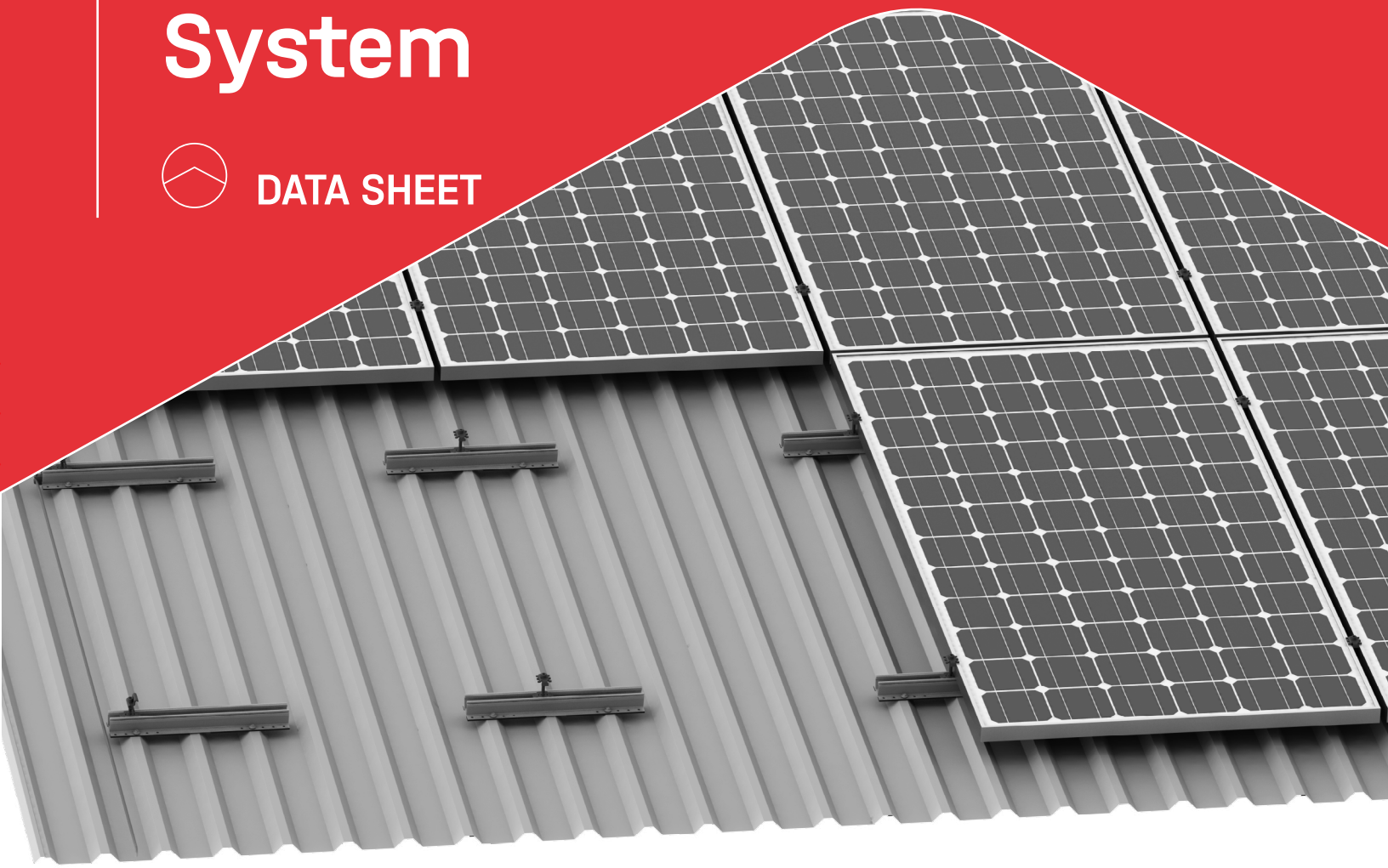
MiniRail XPRess System

DATA SHEET



PRODUCT FEATURES

/ High quality, German-engineered system optimized for residential installations

/ Design flexibility with 17'' sections of rail

/ Redundant waterproofing with EPDM backed base and washers

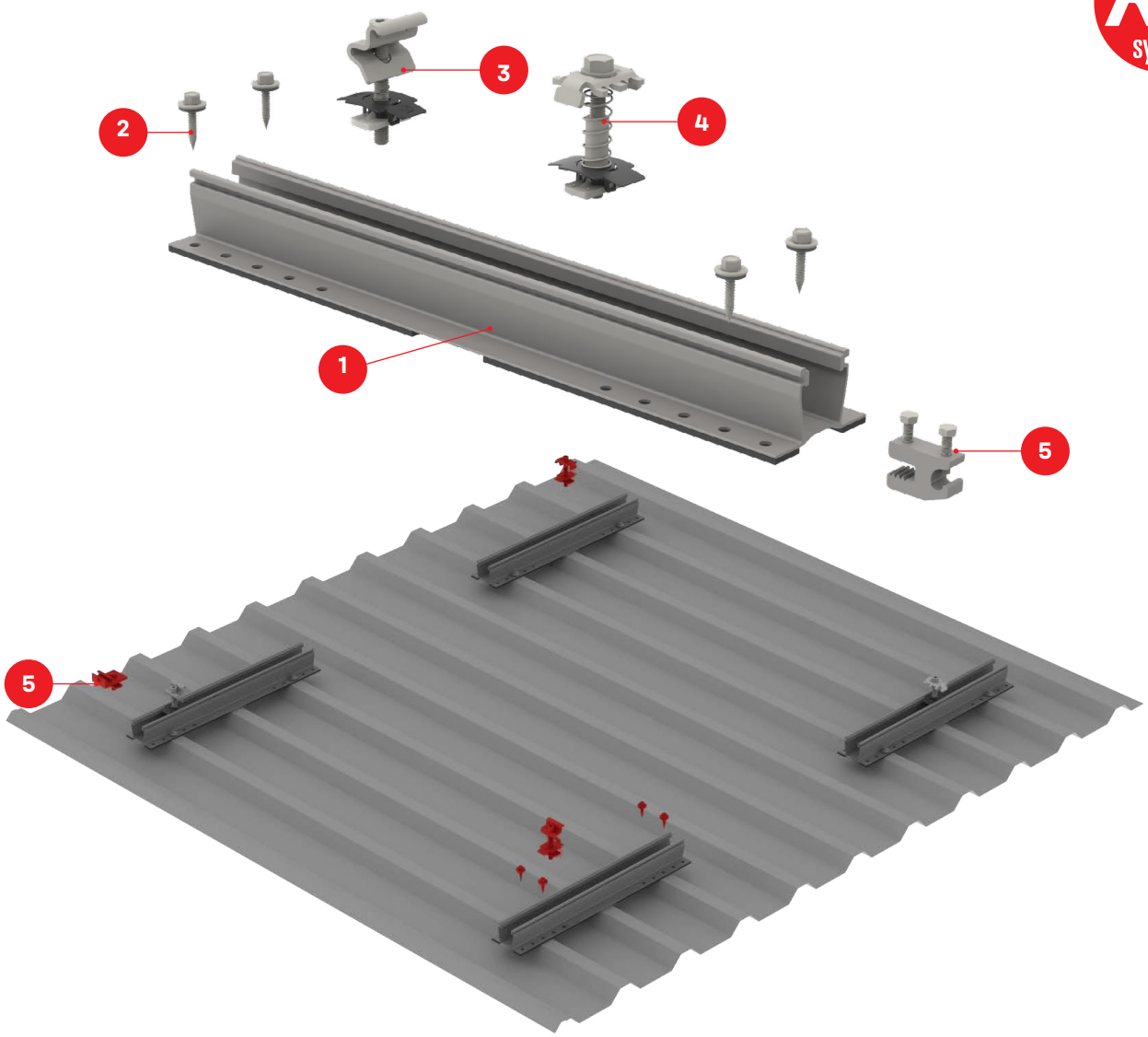
/ Simple 3 part installation

/ MK3 technology provides highest rail engagement

/ 100% code compliant, structural validation for all solar states

/ Minimize pallet and freight costs

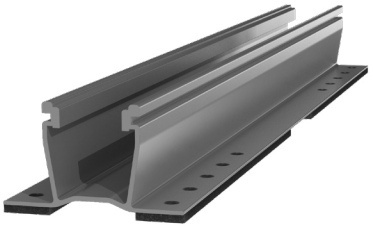
/ Simple to design using our code compliant online design tool, Base



TECHNICAL DATA

Item Number	Description	Part Number
1	MiniRail XPRress Base 17in w/EPDM, Mill	4000667
2	MiniRL Screw w/EPDM JF3, 29g, 25mm	4000672
3	End Clamp	4000429 (mill), 4000430 (dark)
4	Mid Clamp	4000601-H (mill), 4000602-H (dark)
5	ILSCO, SGB-4, 4-14 SOL-STR OR K2 Ground Lug	4000960 4000006-H

MINIRAIL XPRESS



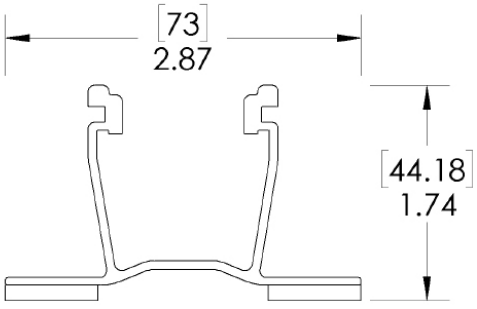
Mechanical Properties

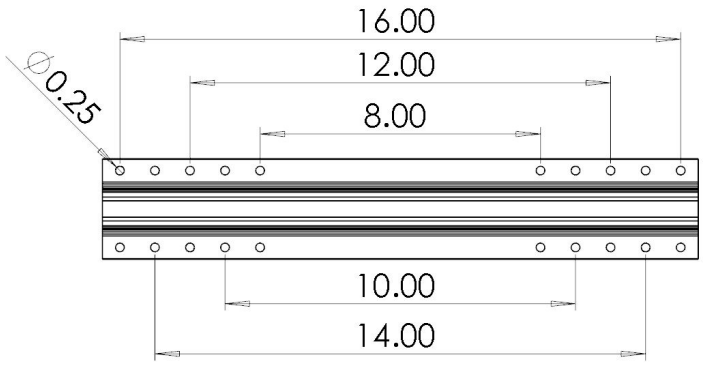
	MiniRail XPRess
Material	6000 Series Aluminum, stainless steel MiniRail Screw
Ultimate Tensile Strength	37.7 ksi (260 MPa)
Yield Strength	34.8 ksi (240 MPa)
Weight	0.84 lbs/pc (0.378 kg/pc)
Finish	Mill

Sectional Properties

	MiniRail XPRess
Sx	0.183 in^3 (2.9988 cm^3)
Sy	0.176 in^3 (2.8841 cm^3)
A (X-Section)	0.507in^2 (3.2709 cm^2)

Units: [mm] in

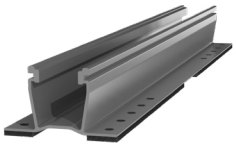




Notes:

- Structural values and span charts determined in accordance with Aluminum Design Manual and ASCE 7-16
- UL2703 Listed System for Fire and Bonding

Components



MiniRail XPRess Base

Part Number	Description
4000667	MiniRail XPRess Base 17" w/EPDM, Mill
4000073	MiniRail XPRess Base Set, Mill

MiniRail Screw

Part Number	Description
4000672	MiniRail Screw w/EPDM JF3, 29g, 25mm

Mid Clamp

Part Number	Description
4000601-H	CR MC Silver 30-47mm, 13mm Hex
4000602-H	CR MC Dark 30-47mm, 13mm Hex

End Clamp

Part Number	Description
4000429	CR EC Silver 30-50mm, SR 33-40mm
4000430	CR EC Dark 30-50mm, SR 33-40mm
4000003	Shared Rail End Clamp Silver 46-50mm
4000004	Shared Rail End Clamp Dark, 46-50mm

Yeti Clamp

Part Number	Description
4000050-H	Yeti Hidden EC for CR, 13mm Hex Set

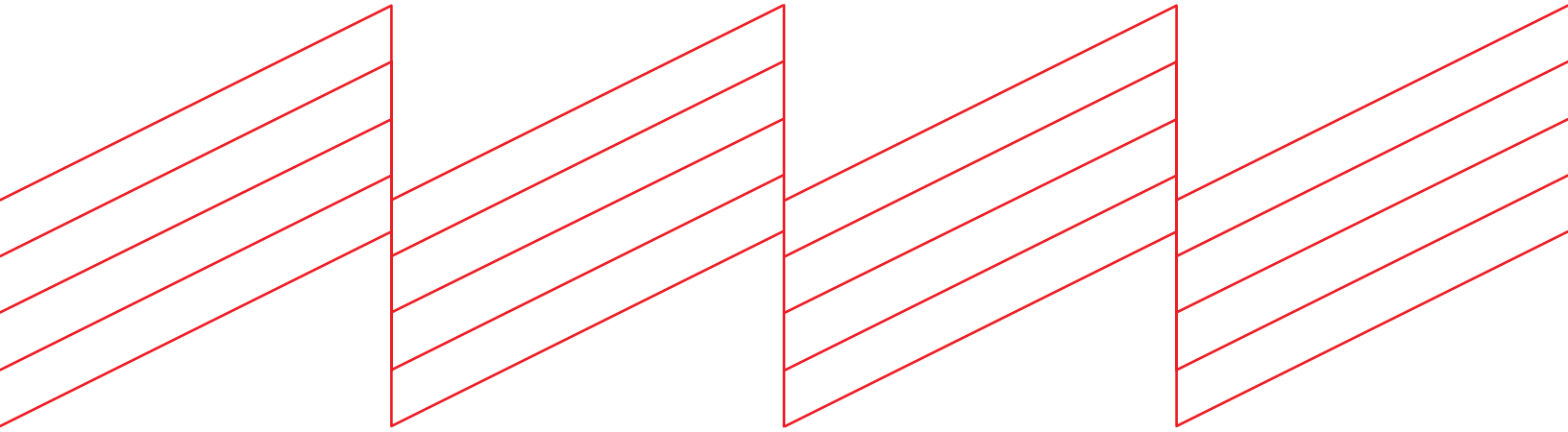
K2 Ground Lug

Part Number	Description
4000006-H	K2 Ground Lug, 13mm Hex Set

Wire Management

Part Number	Description
4000069	Wire Management Clip, TC
4000382	HEYClip SunRunner Cable Clip SS, S6404

Connecting Strength



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MiniRail XPRess Data Sheet V1 | 0323 • Subject to change
Product illustrations are exemplary and may differ from the original.