



**METALOUMIN**  
ALUMINIUM SYSTEMS SINCE 1969

**MOUNTING SYSTEM FOR PLAIN METAL SHEET  
ROOFS, CORRUGATED OR FLAT  
INDUSTRIAL APPLICATIONS**

**M-IR-810P**



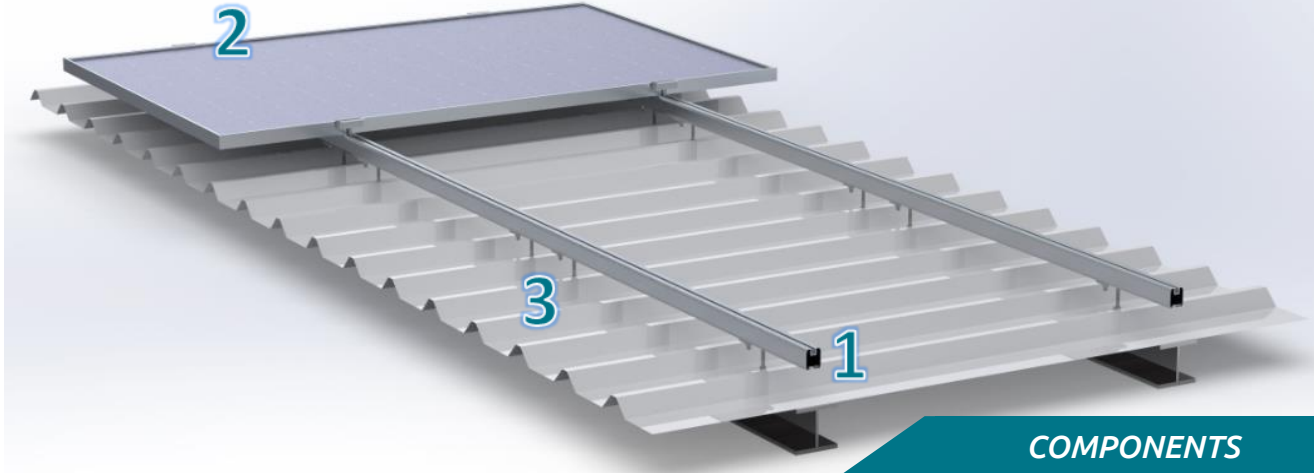
**Portrait Layout**

**FEATURES**

<i>Application</i>	Industrial Roofs
<i>Materials</i>	Aluminum
<i>Accessories</i>	High quality INOX or Galvanized ones
<i>Inclination</i>	Parallel to the roof
<i>Foundation</i>	On the roof's purlins
<i>Orientation</i>	Portrait
<i>Anchoring</i>	Hanger bolts for metal BZ type, self – drilling screws for connection of PV rails to the PV rail connectors
<i>PV Modules</i>	Up to 2.5m in length/Special design for bifacial panels/Ability for further PV equipment on the main structure
<i>Standards</i>	Eurocodes & National Annexes
<i>Mb<sub>max</sub> for rail</i>	0.70 kNm
<i>Wind load limit</i>	33 m/s (Terrain Category III)
<i>Snow load limit</i>	1.7 kN/m <sup>2</sup> (Zone C)

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**COMPONENTS**

Tension and compression resistance $N_{R,k}$ values for the connection to steel substructures		
$N_{R,k}$ [kN]	Thickness of substructure $t_{st}$ [mm]	
	2	3
	4.26	7.32

Thread-forming screws of solar fasteners	Predrill diameter in mm for profiled sheeting and substructure			
	Thickness $t_{st}$ of steel substructure [mm]			
	1.5<5.0	5.0<8.0	8.0<10	≥10
RSB-Z 8.0 / M8 x L	6.8	7.0	7.2	7.4
RSB-Z 8.0 / M10 x L				



**1. PV RAIL**

**2. END CLAMP**

**3. BZ TYPE**

