

IR INDUSTRIAL ROOF MOUNTING SYSTEM

Suitable for all framed Solar (PV) modules Patented aluminium clamp design

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APPLICATION	INDUSTRIAL ROOF AND OFF-GRID APPLICATIONS CHEMICAL / MECHANICAL ANCHORS (NOT INCLUDED)
GROUNDING	N/A
SOIL CLASSES	N/A
MATERIAL	COLD ROLL-FORMED PRE GALVANIZED STEEL PROFILES ACCORDING TO EN 10147 – S320 + Z, OR POST GALVANIZED STEEL PROFILES, HOT DIP GALVANIZED PILES IPE, RHS, SIGMA OR C SECTION PILES ACCORDING TO EN ISO 1461:2009
TILT ANGLES	10° TO 35° (DEGREES) IN 5° DEGREES PER STEP
PANEL ARRANGEMENT	SINGLE PORTRAIT SINGLE LANDSCAPE
MODULE COMPATIBILITY	FRAMED MODULES, ALL AVAILABLE COMMERCIAL TYPES
ACCESSORIES	ALUMINUM MIDDLE AND END CLAMPS: EN AW-6063 T66
CONNECTION TYPE	GRADE 8.8 (GALVANIZED) M12 AND M8 (CLAMPS) ACCORDING TO DIN933, 125, 9021, 985, 912 EPDM RUBBER AGAINST ELECTROLYTIC CORROSION
WARRANTY	20 YEARS

Norms & Standards

Eurocode 1:

- Actions on structures (EC1, ENV 1991 1-1, 1-3, 1-4),
- Part 1-1: General actions – Densities, self-weight and imposed loads
- Part 1-3: General actions – Snow loads
- Part 1-4: General actions – Wind actions

Eurocode 3:

- Design of steel structures (EC3, ENV 1991-1-1, 1-3)
- Part 1-1: General rules and rules for buildings
- Part 1-3: General – Cold formed thin gauge members and sheeting
- Part 1-8: General – Design of joints
- Part 1-10: General – Material toughness and through thickness assessment

Eurocode 8:

- Design of structures for earthquake resistance (EC8, ENV 1998-1-1)
- Part 5: Foundations, retaining structures and geotechnical aspects
- Part 1: General rules, seismic actions and rules for buildings
- National Norms for Earthquake Resistance
- Other Regional Standards where Eurocodes not applicable.