



A DIVISION OF CASK INDUSTRIES

SOLAR STEEL STRUCTURES

PRODUCT CATALOGUE 2026

Advanced steel mounting systems
for solar installations.

Reliable. Durable. Efficient.

ENGINEERED FOR STRENGTH.
BUILT FOR A
SUSTAINABLE FUTURE.



HIGH
STRENGTH
STEEL



CORROSION
RESISTANT



FAST & EASY
INSTALLATION



LONG TERM
DURABILITY



ENGINEERED
SOLUTIONS



9001:2015
QUALITY
MANAGEMENT



14001:2015
ENVIRONMENTAL
MANAGEMENT



cask-industries.com



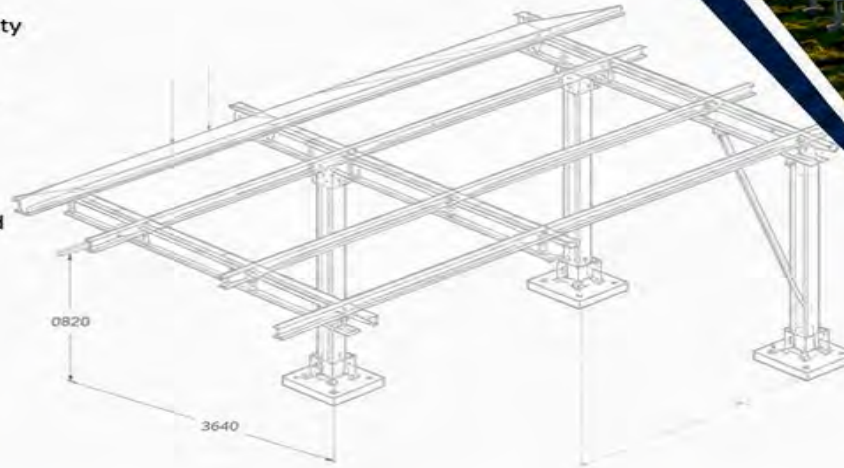
A DIVISION OF CASK INDUSTRIES

ABOUT US

CASK STEEL is a leading manufacturer of high-quality steel structures and mounting systems for solar installations worldwide. With years of engineering excellence and manufacturing expertise, we deliver reliable, durable, and innovative solutions that support the global transition to clean energy.

Our products are designed, tested, and manufactured to the highest international standards, ensuring superior performance in all environments.

**ENGINEERED FOR STRENGTH.
BUILT FOR A SUSTAINABLE FUTURE.**



PRODUCT CATALOGUE 2026

OUR CORE VALUES



QUALITY

Committed to delivering superior products and services.



CUSTOMER FOCUS

Understanding and exceeding our customers' expectations.



INNOVATION

Continuous improvement through advanced engineering.



INTEGRITY

Built on trust, transparency and ethical business practices.



SAFETY

Prioritizing safety in every process and every product.

KEY HIGHLIGHTS



HIGH STRENGTH & RELIABILITY

Structures engineered to withstand extreme weather conditions and heavy loads.



CORROSION RESISTANT

Hot-dip galvanized steel for maximum protection and long service life.



EASY & FAST INSTALLATION

Optimized designs and components reduce installation time and labor costs.



INTERNATIONAL STANDARDS

Manufactured in accordance with global quality and safety standards.



SUSTAINABLE SOLUTIONS

Supporting clean energy projects and a greener planet.

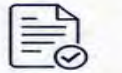
**STEEL STRUCTURES
SOLAR SOLUTIONS**



CASK STEEL is your trusted partner for high-performance solar mounting solutions across the globe.

INDEX

Explore our complete range of solar steel structures, mounting systems, and accessories – engineered for performance, designed for a sustainable future.

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**ENGINEERED
FOR STRENGTH.
BUILT FOR A
SUSTAINABLE FUTURE.**



WELCOME TO CASK STEEL

Thank you for choosing CASK STEEL as your partner in solar steel structures and mounting solutions.

This catalogue presents our complete product range, engineered with precision, manufactured with integrity, and tested for excellence.

We are committed to delivering innovative and reliable solutions that help build a cleaner, stronger, and more sustainable future.

Together, we build the foundations of clean energy.



OUR PRODUCT CATEGORIES



01
GROUND MOUNT SYSTEMS
04-05



02
ROOFTOP MOUNT SYSTEMS
06-07



03
SOLAR CARPORT SYSTEMS
08-09



04
AGRIVOLTAIC (AGRI-PV) SOLUTIONS
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WHY CHOOSE CASK STEEL?



ENGINEERED FOR STRENGTH



CORROSION RESISTANT



EASY & FAST INSTALLATION



LONG TERM DURABILITY



SUSTAINABLE SOLUTIONS

CERTIFIED QUALITY



**PRECISION ENGINEERING.
PERFORMANCE ASSURED.**

ENGINEERED FOR PERFORMANCE.

At CASK STEEL, engineering excellence is at the core of everything we do. Our solar steel structures and mounting systems are designed to deliver maximum strength, reliability, and long-term value in all climatic conditions.

From advanced materials to precise manufacturing and rigorous testing – we ensure every component meets the highest global standards.

**STRONGER STRUCTURES.
SMARTER SOLUTIONS. SUSTAINABLE FUTURE.**



BUILT TO LAST.

Designed for extreme weather conditions and long-term durability.

OUR COMMITMENT



QUALITY

Delivering top-quality products through strict quality control and international standards.



INNOVATION

Continuous innovation and engineering development to meet the evolving needs of our clients.



RELIABILITY

Reliable solutions that ensure safety, performance, and peace of mind.



SUSTAINABILITY

Committed to sustainable practices and supporting the global clean energy transition.



PARTNERSHIP

Building long-term partnerships based on trust, transparency, and mutual success.



We don't just build steel structures, we build the foundations for a sustainable future.



WHERE WE DELIVER



100+ COUNTRIES

Global Presence
Local Support



GLOBAL DISTRIBUTION NETWORK



ENGINEERED TO MEET INTERNATIONAL STANDARDS



DEDICATED TECHNICAL SUPPORT WORLDWIDE

WHY CASK STEEL?

Our solar steel structures and mounting systems are engineered to deliver long-term performance, maximum safety, and superior value.

We combine advanced engineering, premium materials, and strict quality control to provide solutions that withstand the test of time.



HIGH STRENGTH & RELIABILITY

Engineered to withstand extreme wind, snow, and seismic loads.



CORROSION RESISTANT

Hot-dip galvanized steel and premium coatings for long-lasting protection.



PRECISE ENGINEERING

Advanced design software and rigorous testing ensure perfect fit and performance.



EASY & FAST INSTALLATION

Smart design and pre-assembled components reduce installation time and labor costs.



COST EFFECTIVE

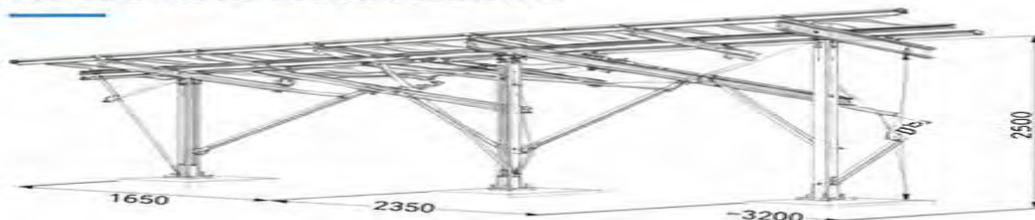
Optimized material usage and efficient logistics deliver the best value for your investments.



SUSTAINABLE SOLUTION

100% recyclable steel and eco-friendly processes for a greener future.

ADVANCED ENGINEERING



State-of-the-art structural analysis and load calculation.



Compliant with international codes and standards.



Customized solutions for every project requirement.

PREMIUM MATERIALS



High-quality structural steel (S350GD / S450GD).



Hot-dip galvanized to EN ISO 1461 standard.



Guaranteed mechanical properties and traceability.



STEEL GRADE
S350GD / S450GD



GALVANIZATION
EN ISO 1461



DESIGN LIFE
25+ YEARS

SOLAR STEEL STRUCTURES

BUILT FOR THE FUTURE.

Our solar steel structures are designed to support solar modules with maximum stability, safety, and durability. Engineered for various terrains and environmental conditions, our systems ensure optimal performance and long-term reliability.



ENGINEERED SOLUTIONS

Tailored for every project requirement.



TESTED FOR SAFETY

Rigorously tested to global standards.



OPTIMIZED PERFORMANCE

Maximizing energy output and ROI.



STRONGER. SMARTER. SUSTAINABLE.
Reliable structures for a clean energy tomorrow.

APPLICATIONS



GROUND MOUNT SYSTEMS

Ideal for utility-scale and commercial projects on various terrains.



ROOFTOP MOUNT SYSTEMS

Secure and lightweight solutions for residential, commercial, and industrial rooftops.



SOLAR CARPORT SYSTEMS

Dual-purpose structures that generate clean energy while providing shade and protection.



AGRIVOLTAIC SOLUTIONS

Innovative structures that combine solar energy production with agricultural benefits.



SPECIAL TERRAIN SYSTEMS

Custom-engineered solutions for slopes, uneven ground, and challenging sites.

COMPLIANCE & STANDARDS

Our products are designed and manufactured in compliance with the highest international standards.



EN 1090
EXC2



DESIGNED TO PERFORM

- ✓ High wind and snow load resistance
- ✓ Corrosion-resistant for harsh environments
- ✓ Easy installation and low maintenance
- ✓ Long service life and high durability
- ✓ Sustainable and recyclable materials

GROUND MOUNT SYSTEMS

**STRONG FOUNDATIONS.
MAXIMUM PERFORMANCE.**

CASK STEEL ground mount systems are engineered for utility-scale and commercial projects, providing superior strength, stability, and cost-efficiency across a wide range of terrains and environmental conditions.



HIGH STRENGTH STRUCTURES

Engineered to withstand extreme wind, snow and seismic loads.



CORROSION RESISTANT

Hot-dip galvanized steel for long-lasting protection.



FLEXIBLE & ADJUSTABLE

Adaptable design for various terrains and module configurations.



COST OPTIMIZED

Reduced installation time and lower overall project costs.



SYSTEM OVERVIEW



- 1 Solar Module
- 2 Module Clamp
- 3 Mounting Rail
- 4 Rail Splice
- 5 Diagonal Brace
- 6 Main Support Beam
- 7 Adjustable Post
- 8 Foundation
- 9 Ground Screw (Option)

SUITABLE FOR



Utility Scale Projects



Industrial Plants



Commercial Installations



Agrivoltaic Applications



Challenging Terrains

STRUCTURE OPTIONS



FIXED TILT SYSTEM

Simple and reliable solution for maximum energy yield.



ADJUSTABLE TILT SYSTEM

Optimized tilt angles for improved performance.



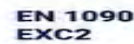
SINGLE POLE SYSTEM

Cost-effective solution for large-scale deployments.

KEY BENEFITS

- ✓ High durability and long service life
- ✓ Engineered for global environmental conditions
- ✓ Compatible with all standard solar modules
- ✓ Easy and fast installation
- ✓ Low maintenance and high reliability

COMPLIANCE & STANDARDS



MATERIAL SPECIFICATIONS

Steel Grade	S350GD / S450GD
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Life	25+ Years
Warranty	10 Years (Structure)



**ENGINEERED
TO MEET
INTERNATIONAL
STANDARDS**

GROUND MOUNT FIXED-TILT SYSTEMS

STRONG. RELIABLE. OPTIMIZED.
ENGINEERED FOR MAXIMUM PERFORMANCE.

CASK Steel Ground Mount Fixed-Tilt Systems are engineered for superior strength, durability, and long service life in all terrain and weather conditions. Designed with optimized structural components and advanced engineering, our solutions ensure maximum energy yield, fast installation and excellent cost efficiency.



KEY BENEFITS



High Strength & Durability

Premium steel and hot-dip galvanizing ensure excellent strength and long service life.



Optimized Design

Engineered for maximum stability and load resistance with minimal material usage.



Easy & Fast Installation

Pre-engineered components and modular design reduce installation time and cost.



Excellent Wind & Snow Resistance

Designed to withstand high wind speeds and heavy snow loads.



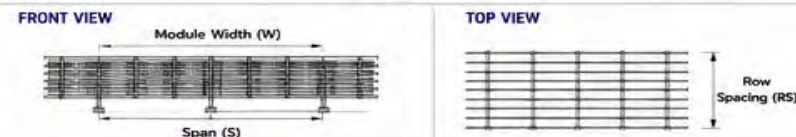
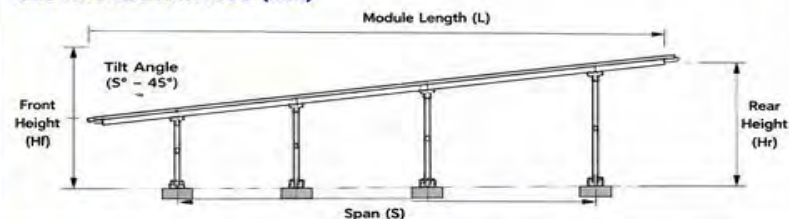
Sustainable Solution

Recyclable materials and long lifespan support a greener future.

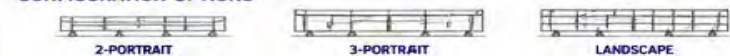
PRODUCT CODE

CST-GM-FT

TECHNICAL DRAWINGS (mm)



CONFIGURATION OPTIONS



APPLICATIONS



UTILITY SCALE PROJECTS



OPEN FIELD INSTALLATIONS



DESERT ENVIRONMENTS



COASTAL & HILLY AREAS



HIGH SNOW REGIONS

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Standard	EN 1990, EN 1991, EN 1993, IEC 62817
Tilt Angle	5° - 45° (Standard: 10° / 15° / 20° / 25° / 30°)
Module Orientation	Portrait / Landscape
Foundation Type	Driven Pile / Concrete Foundation / Screw Pile
Surface Treatment	HDG / Magnelis® / Powder Coating (Optional)
Wind Load	Up to 60 m/s (216 km/h)*
Snow Load	Up to 2.5 kN/m² (Customizable)
Applicable Module	Framed / Frameless
Row Spacing (RS)	2.5 m - 12.0 m (Customizable)
Span (S)	2.0 m - 6.0 m (Customizable)
Front Height (Hf)	0.5 m - 3.0 m (Customizable)
Rear Height (Hr)	0.8 m - 4.0 m (Customizable)
Application	Utility Scale Solar Power Plants
Warranty	10 Years

* Values may vary depending on local codes and project location.

LOAD CAPACITY (REFERENCE) *

TILT ANGLE	MAX. WIND LOAD (kN/m²)				MAX. SNOW LOAD (kN/m²)			
	30 m/s	40 m/s	50 m/s	60 m/s	1.0	1.5	2.0	2.5
5°	0.58	1.03	1.60	2.30	0.90	1.30	1.70	2.10
10°	0.60	1.07	1.66	2.40	1.00	1.45	1.90	2.40
15°	0.62	1.11	1.72	2.50	1.05	1.55	2.05	2.60
20°	0.64	1.14	1.78	2.60	1.10	1.65	2.20	2.75
25°	0.66	1.16	1.83	2.65	1.15	1.70	2.25	2.85
30°	0.67	1.17	1.87	2.70	1.20	1.75	2.30	2.90
35°	0.69	1.18	1.90	2.75	1.20	1.80	2.35	2.95
40°	0.70	1.19	1.93	2.80	1.25	1.85	2.40	3.00
45°	0.71	1.20	1.95	2.85	1.25	1.90	2.45	3.00

* Load capacity values are for reference only. Final capacity depends on detailed design, site conditions and local codes.

STRUCTURAL FEATURES

- ✓ Optimized structural design for reduced material use
- ✓ High corrosion resistance with HDG coating
- ✓ Compatible with all major PV modules
- ✓ Pre-punched components for quick assembly
- ✓ Flexible configuration and easy scalability
- ✓ Engineered for global standards and code compliance



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



9001:2015



14001:2015



45001:2018



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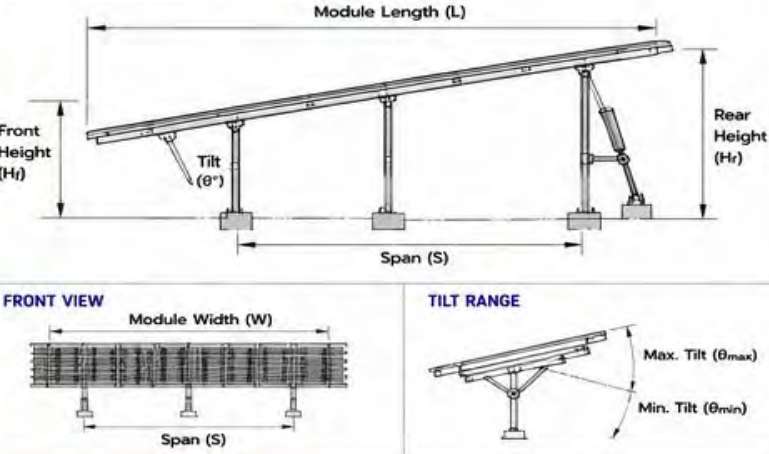


GROUND MOUNT ADJUSTABLE TILT SYSTEMS

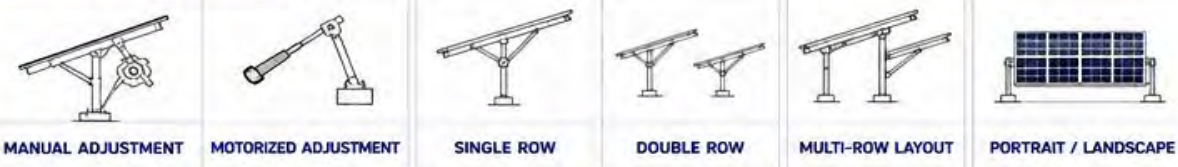
FLEXIBLE. EFFICIENT. ADAPTABLE.
ENGINEERED FOR MAXIMUM ENERGY YIELD.

CASK Steel Adjustable Tilt Systems allow the tilt angle to be adjusted seasonally or automatically to maximize solar energy production throughout the year. Manufactured with high quality steel and precision engineering, our adjustable structures provide flexibility, durability and long-term performance in various environmental conditions.

TECHNICAL DRAWINGS (mm)



CONFIGURATION OPTIONS



KEY BENEFITS

- Maximized Energy Yield**
Adjustable tilt improves solar exposure and increases energy production.
- Flexible Tilt Range**
Wide tilt angle range for seasonal manual or automatic adjustment.
- Robust & Durable**
High strength steel structure designed for long service life and harsh environments.
- Easy Adjustment**
Manual or motorized adjustment options for efficient operation.
- Sustainable Solution**
Optimized energy generation with eco-friendly design.

PRODUCT CODE

CST-GM-AT

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Standard	EN 1990, EN 1991, EN 1993, IEC 62817
Tilt Angle Range (θ)	10° – 60° (Customizable)
Module Orientation	Portrait / Landscape
Foundation Type	Driven Pile / Concrete Foundation / Screw Pile
Surface Treatment	HDG / Magnelis® / Powder Coating (Optional)
Wind Load	Up to 60 m/s (216 km/h)*
Snow Load	Up to 2.5 kN/m² (Customizable)*
Row Spacing (RS)	2.5 m – 12.0 m (Customizable)
Span (S)	2.0 m – 6.0 m (Customizable)
Front Height (Hf)	0.5 m – 3.0 m (Customizable)
Rear Height (Hr)	1.0 m – 4.0 m (Customizable)
Adjustment System	Manual / Motorized (Linear Actuator)
Application	Utility Scale Solar Power Plants
Warranty	10 Years

* Values may vary depending on local codes and project location.

LOAD CAPACITY (REFERENCE) *

TILT ANGLE (θ°)	MAX. WIND LOAD (kN/m²)				MAX. SNOW LOAD (kN/m²)			
	30 m/s	40 m/s	50 m/s	60 m/s	1.0	1.5	2.0	2.5
10°	0.62	1.08	1.65	2.25	1.05	1.50	1.95	2.40
20°	0.70	1.20	1.85	2.50	1.10	1.60	2.10	2.60
30°	0.78	1.32	2.05	2.75	1.20	1.75	2.25	2.80
40°	0.86	1.45	2.20	2.95	1.25	1.85	2.40	2.95
50°	0.90	1.55	2.30	3.05	1.30	1.95	2.50	3.05
60°	0.95	1.65	2.40	3.20	1.35	2.05	2.60	3.20

* Load capacity values are for reference only. Final capacity depends on detailed design, site conditions and local codes.

APPLICATIONS



ROOFTOP MOUNT SYSTEMS

**SECURE. LIGHTWEIGHT.
BUILT TO PROTECT.**

CASK STEEL rooftop mount systems are designed for residential, commercial, and industrial rooftops, delivering reliable performance with easy installation, minimal roof penetration, and maximum safety.



SMART DESIGN. STRONG PERFORMANCE.
Engineered for durability, tested for safety.
Perfect solutions for every rooftop.



ROOF SAFE

Engineered with non-penetrating solutions to protect roof integrity.



LIGHTWEIGHT

Optimized structural design for reduced load on the roof.



WIND RESISTANT

Designed to withstand extreme wind and environmental loads.



EASY INSTALLATION

Pre-assembled components for fast and efficient installation.



COST EFFECTIVE

Lower installation time and maintenance for better project ROI.

ROOFTOP SYSTEM TYPES



METAL ROOF SYSTEM

Suitable for trapezoidal and corrugated metal roofs.



FLAT ROOF SYSTEM

Ballasted solution for flat concrete rooftops.



STANDING SEAM SYSTEM

Special clamps ensure secure installation without penetration.

COMPONENTS

- 1 Solar Module
- 2 End Clamp
- 3 Mid Clamp
- 4 Mounting Rail
- 5 Rail Splice
- 6 L-Foot / Bracket
- 7 EPDM Pad
- 8 Fasteners
- 9 Roof Sheet
- 10 Waterproofing
- 11 Ballast (Optional)



KEY ADVANTAGES

- ✓ No roof penetration options available
- ✓ Protects roof waterproofing and structure
- ✓ High corrosion resistance and long service life
- ✓ Compatible with all standard solar modules
- ✓ Flexible solutions for various roof types
- ✓ Tested according to international standards

DESIGNED FOR

- Industrial Buildings
- Commercial Facilities
- Warehouses
- Residential Buildings

ENGINEERED TO WITHSTAND

- High Wind Loads
- Snow Loads
- Seismic Activity
- Corrosive Environments



COMPLIANCE & STANDARDS

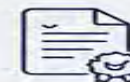


EN 1090
EXC2



MATERIAL SPECIFICATIONS

Steel Grade	S350GD / S450GD
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Life	25+ Years
Warranty	10 Years (Structure)



**QUALITY ASSURED
PERFORMANCE
GUARANTEED**

SOLAR CARPORT SYSTEMS

STRONG. RELIABLE. SUSTAINABLE.
ENGINEERED FOR MODERN ENERGY SOLUTIONS.

CASK Steel Solar Carport Systems provide dual benefits by generating clean energy and offering shaded parking protection. Engineered with high strength steel and designed for easy installation, our carport structures ensure long-term durability, corrosion resistance and excellent wind and snow load performance. Available in single row, double row and custom designs to suit different site conditions and project requirements.



KEY BENEFITS



High Strength & Durability
Engineered with premium steel to withstand extreme wind, snow and seismic loads.



Dual Functionality
Generates clean solar energy while providing shaded parking protection.



Flexible Design
Suitable for single row, double row and customized layouts for any project.



Corrosion Protection
Hot-dip galvanized steel ensures long service life with minimal maintenance.



Fast & Easy Installation
Pre-engineered components reduce on-site work and installation time.

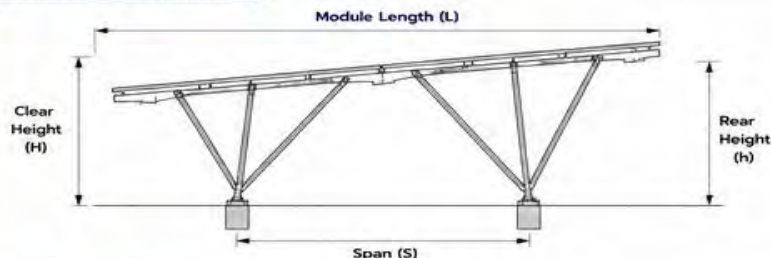


Sustainable Solution
Supports renewable energy production and reduces carbon footprint.

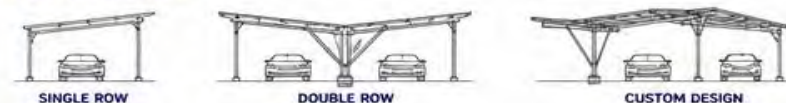
PRODUCT CODE

CST-SC-01

TECHNICAL DRAWINGS



LAYOUT OPTIONS



APPLICATIONS



COMMERCIAL PARKING



INDUSTRIAL FACILITIES



PUBLIC BUILDINGS



EV CHARGING STATIONS



RESIDENTIAL PROJECTS

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Standard	EN 1990, EN 1991, EN 1993, EN 1090
Wind Load	Up to 60 m/s (216 km/h)
Snow Load	Up to 2.5 kN/m ² (Customizable)
Tilt Angle	5° - 15° (Customizable)
Module Orientation	Portrait or Landscape
Foundation Type	Concrete Foundation / Base Plate
Row Type	Single Row / Double Row / Custom
Span (S)	3.0 m - 7.0 m (Customizable)
Clear Height (H)	2.2 m - 2.7 m (Standard)
Rear Height (h)	2.0 m - 2.5 m (Standard)
Module Length (L)	Up to 7.2 m (Standard)
Surface Treatment	HDG / Magnelis® / Powder Coating
Application	Parking Areas, Commercial, Industrial, Residential, Public Facilities
Warranty	10 Years

LOAD CAPACITY (REFERENCE) *

SPAN (S) (m)	COLUMN TYPE	MAX. WIND LOAD (kN/m ²)				MAX. SNOW LOAD (kN/m ²)
		30 m/s	40 m/s	50 m/s	60 m/s	
3.0	Single Row	0.70	1.20	1.90	2.60	2.5
	Double Row	0.85	1.45	2.30	3.10	2.5
4.0	Single Row	0.60	1.00	1.60	2.20	2.5
	Double Row	0.75	1.25	2.00	2.70	2.5
5.0	Single Row	0.45	0.75	1.25	1.70	2.5
	Double Row	0.60	1.00	1.60	2.20	2.5
6.0	Single Row	0.35	0.60	1.00	1.40	2.5
	Double Row	0.45	0.80	1.25	1.70	2.5
7.0	Single Row	0.28	0.50	0.80	1.10	2.5
	Double Row	0.35	0.60	1.00	1.35	2.5

* Values are for reference only. Final capacity depends on detailed design, site conditions and local codes.

STRUCTURAL FEATURES

- ✓ Hot-dip galvanized steel for long service life
- ✓ Optimized structure for maximum stability
- ✓ Pre-engineered & pre-drilled components
- ✓ Easy transportation and quick installation
- ✓ Compatible with all major PV modules
- ✓ Customizable sizes and configurations



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



ISO
9001:2015

ISO
14001:2015

ISO
45001:2018



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AGRIVOLTAIC SOLUTIONS

HARVEST ENERGY.
PRESERVE AGRICULTURE.

CASK STEEL agrivoltaic structures are designed to support solar modules while enabling agricultural activities underneath. The perfect balance between clean energy production and land productivity.



DOUBLED VALUE. ONE SOLUTION.

Produce clean energy above,
grow crops below.



LAND EFFICIENCY

Maximizes land use by combining solar power and agriculture.



CROP FRIENDLY

Optimized height and design ensure adequate sunlight and ventilation.



STRONG & DURABLE

High strength steel structures built for long-term performance.



FLEXIBLE DESIGN

Customizable height, spacing, and layout for different crops.



WEATHER RESISTANT

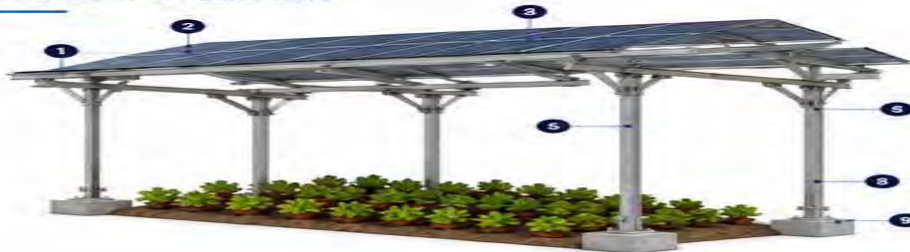
Engineered to withstand harsh weather and corrosive environments.



COST EFFECTIVE

Increases overall yield and return on investment.

SYSTEM OVERVIEW



- 1 Solar Module
- 2 Module Clamp
- 3 Purlin
- 4 Main Beam
- 5 Diagonal Brace
- 6 Column
- 7 Elevation Adjustment
- 8 Foundation
- 9 Crop Area

IDEAL FOR VARIOUS CROPS



VEGETABLES



FRUITS



HERBS & MEDICINAL PLANTS



GRAINS & CEREALS

DESIGN FEATURES



ADJUSTABLE TILT

Optimized tilt angle for energy generation and crop requirements.



ADJUSTABLE HEIGHT

Custom height options for different crop types and farming equipment.



OPEN & VENTILATED

Smart spacing ensures proper airflow, light penetration, and growth.



STRONG FOUNDATIONS

Engineered foundations ensure maximum stability and safety.

KEY BENEFITS

- ✓ Maintain agricultural productivity while generating solar energy
- ✓ Reduce water evaporation and protect crops from extreme weather
- ✓ Improve land utilization and overall profitability
- ✓ Sustainable solution for a greener future
- ✓ Compliant with international standards and best practices

MATERIAL SPECIFICATIONS

Steel Grade	S350GD / S450GD
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Life	25+ Years
Wind Load	Up to 60 m/s (Customizable)
Snow Load	Up to 2.0 kN/m ² (Customizable)
Warranty	10 Years (Structure)

COMPLIANCE & STANDARDS



EN 1090
EXC2



SGS



ENGINEERED
TO MEET
INTERNATIONAL
STANDARDS

SPECIAL TERRAIN SOLUTIONS

ENGINEERED FOR CHALLENGING LANDSCAPES.

CASK STEEL special terrain systems are engineered to adapt to slopes, uneven ground, rocky soil, and other demanding site conditions. Our solutions ensure stability, safety, and optimal performance without compromising project efficiency.



ADAPT. SECURE. PERFORM.

Reliable solutions for uneven, sloped, and complex terrains.



VERSATILE ADAPTABILITY

Designed to fit slopes, irregular surfaces, and various soil conditions.



MAXIMUM STABILITY

Strong foundations and structures ensure safety in all environments.



FLEXIBLE CONFIGURATIONS

Adjustable components for precise alignment and easy installation.



HIGH WIND RESISTANCE

Engineered to withstand strong winds and extreme weather conditions.



LONG-LASTING DURABILITY

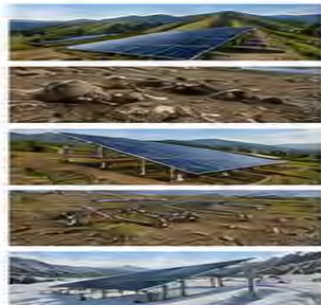
High-quality materials with corrosion protection for extended service life.



OPTIMIZED PERFORMANCE

Ensures maximum energy yield even on the most demanding terrains.

TERRAIN APPLICATIONS



HILLY SLOPES

ROCKY AREAS

TERRACED FIELDS

UNEVEN GROUNDS

SNOW PRONE AREAS

SYSTEM CONFIGURATION



- 1 Solar Module
- 2 Module Clamp
- 3 Mounting Rail
- 4 Adjustable Tilt Bracket

- 5 Diagonal Brace
- 6 Adjustable Column
- 7 Foundation (Concrete)
- 8 Ground Screw (Option)

FOUNDATION OPTIONS



CONCRETE FOUNDATION
Ideal for stable soils and long-term durability.



GROUND SCREW
Perfect for rocky or sensitive soils with minimal excavation.



PILE FOUNDATION
Suitable for loose soils and steep terrains.



STEPPED FOUNDATION
Optimized for terraced and uneven surfaces.

KEY BENEFITS

- ✓ Optimized for complex and steep terrains
- ✓ Maintains structural integrity and performance
- ✓ Reduces civil works and site preparation costs
- ✓ Customizable solutions for every project
- ✓ Safe, reliable, and easy to maintain

DESIGN FEATURES



ADJUSTABLE HEIGHT
Accommodates height variations for perfect leveling.



ADJUSTABLE TILT
Custom tilt angles for maximum energy generation.



PRE-ASSEMBLED COMPONENTS
Simplifies installation and reduces on-site time.



CORROSION PROTECTION
Hot-dip galvanized coating for harsh environments.

TECHNICAL SPECIFICATIONS

Steel Grade	S350GD / S450GD
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Life	25+ Years
Wind Load	Up to 60 m/s (Customizable)
Snow Load	Up to 2.0 kN/m ² (Customizable)
Warranty	10 Years (Structure)

COMPLIANCE & STANDARDS



EN 1090
EXC2



SGS



ENGINEERED
TO MEET
INTERNATIONAL
STANDARDS

FLOATING SOLAR SOLUTIONS

INNOVATIVE. RELIABLE.
BUILT TO FLOAT.

CASK STEEL floating solar solutions are engineered for stability, durability, and efficiency on water reservoirs, lakes, and ponds. Our systems maximize clean energy production without compromising water usage.



CLEAN ENERGY ON WATER.
Reduce land use, increase efficiency, and preserve natural resources.



WATER FRIENDLY

Reduces water evaporation and helps improve water quality.



HIGH STABILITY

Engineered floating platforms ensure excellent stability and safety.



CORROSION RESISTANT

Premium materials designed to withstand harsh water environments.



MODULAR DESIGN

Flexible and scalable configuration for projects of any size.



ENVIRONMENTAL BENEFITS

Lower carbon footprint and minimal impact on ecosystems.



COST EFFECTIVE

Improves energy yield and reduces overall project costs.

SYSTEM OVERVIEW



- 1 Solar Module
- 2 Module Clamp
- 3 Mounting Rail
- 4 Cross Beam
- 5 Float (HDPE Pontoon)
- 6 Connector
- 7 Mooring Line
- 8 Anchor
- 9 Cable Float
- 10 Buoy (Optional)

KEY COMPONENTS



HDPE PONTOON
High-density & UV resistant.



ALUMINUM STRUCTURE
Lightweight, high strength and corrosion resistant.



CONNECTOR
Strong and secure interlocking system.



MOORING SYSTEM
Ensures stable positioning in various water conditions.



CABLE FLOAT
Protects and supports electrical cables.



ANCHOR SYSTEM
Multiple options for different water depths.

SUITABLE FOR



WATER RESERVOIRS



LAKES & PONDS



IRRIGATION PONDS



INDUSTRIAL BASINS

KEY BENEFITS

- ✓ Utilizes unused water surfaces for clean energy generation
- ✓ Reduces water evaporation up to 70%
- ✓ Easy installation and low maintenance
- ✓ Compatible with various water depths and conditions
- ✓ Enhances energy efficiency with cooling effect of water

SYSTEM FEATURES



WAVE RESISTANT

Designed to withstand waves, wind, and water movement.



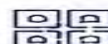
HIGH DURABILITY

UV-stabilized HDPE floats with long service life.



EASY MAINTENANCE

Simple access and inspection for quick maintenance.



SCALABLE SOLUTION

Expand your system easily with modular configuration.

TECHNICAL SPECIFICATIONS

Floating Material
Structure Material
Design Life
Wind Load
Wave Height
Water Depth
Operating Temperature
Warranty

HDPE (High-Density Polyethylene)
Aluminum 6005-T5 / 6063-T5
25+ Years
Up to 60 m/s (Customizable)
Up to 1.5 m (Customizable)
Up to 25 m (Customizable)
-40°C to +60°C
10 Years (Structure)

COMPLIANCE & STANDARDS



9001:2015



14001:2015



EN 1090
EXC2



**ENGINEERED TO MEET
INTERNATIONAL
STANDARDS**

ENGINEERING & DESIGN SOLUTIONS

FROM CONCEPT TO COMPLETION.
ENGINEERED FOR EXCELLENCE.

CASK STEEL provides comprehensive engineering and design solutions for all types of solar structures. Our in-house engineering team uses advanced software and proven methodologies to deliver safe, efficient, and cost-effective solutions tailored to your project requirements and local codes.



ENGINEERED TO PERFORM. DESIGNED TO LAST.

Optimized structural solutions that ensure safety, reliability, and maximum return on investment.

ENGINEERING CAPABILITIES



STRUCTURAL DESIGN
Custom structural design in accordance with international standards.



WIND LOAD ANALYSIS
Wind tunnel data & local codes based wind load assessment.



SNOW LOAD ANALYSIS
Accurate snow load calculation for safe structures.



SEISMIC DESIGN
Seismic analysis and design for high-risk zones.



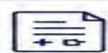
FOUNDATION DESIGN
Optimized foundation design for all soil conditions.



3D MODELING
Advanced 3D modeling for precise visualization and coordination.



FINITE ELEMENT ANALYSIS (FEA)
FEA for strength, stability, and performance verification.



SHOP DRAWINGS
Detailed shop drawings for accurate fabrication.



BIM MODELING
BIM-based coordination for seamless project integration.



VALUE ENGINEERING
Cost optimization without compromising quality or safety.



PROJECT OPTIMIZATION
Efficient designs for maximum performance and ROI.



TECHNICAL SUPPORT
Engineering support during installation and operation.

DESIGN SOFTWARE WE USE



Structural Analysis



Structural Design



3D Modeling



BIM Modeling



Detailing & Design



Energy Analysis

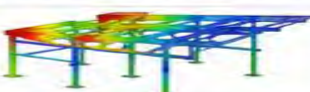
DELIVERABLES

- ✓ Structural Calculation Reports
- ✓ 3D Models (IFC / Revit / Tekla)
- ✓ Shop Drawings & GA Drawings
- ✓ Bill of Materials (BOM)
- ✓ Foundation Drawings
- ✓ Installation Manuals

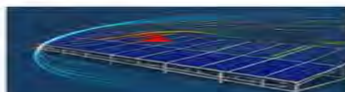
DESIGN STANDARDS

- Eurocodes (EN 1990, 1991, 1993)
- ASCE 7-16 / 22
- AISC / AISI
- IEC 62817 / 61701
- Local Building Codes

ANALYSIS & DESIGN EXAMPLES



FEA STRESS ANALYSIS
Structural members verified for strength and safety.



WIND FLOW ANALYSIS
Aerodynamic assessment for wind performance.



3D STRUCTURAL MODEL
Detailed modeling for accurate planning and coordination.



SHOP DRAWING
Precise fabrication and installation drawings.

WHY CHOOSE CASK STEEL ENGINEERING?



- Experienced engineers with global project expertise
- Optimized, safe, and cost-effective solutions
- Advanced software and latest design methodologies
- Compliance with international standards
- End-to-end support from design to installation

COMPLIANCE & CERTIFICATIONS



9001:2015



14001:2015



45001:2018



Marked



62817



Member



EN 1090 EXC2



TUV



SCAN FOR
TECHNICAL DOCUMENTS
& DESIGN GUIDELINES

SOLAR STEEL ACCESSORIES

COMPLETE SYSTEM.
PERFECT PERFORMANCE.

CASK STEEL accessories are designed to work seamlessly with our structures, ensuring secure connections, fast installation, and long-term reliability in all conditions.



**BUILT FOR RELIABILITY.
DESIGNED FOR EFFICIENCY.**
High-quality accessories for safe, durable, and efficient solar installations.



STRONG & RELIABLE

Engineered for maximum strength and secure connections.



EASY & FAST INSTALLATION

Smart design for quick assembly and reduced labor time.



CORROSION RESISTANT

Hot-dip galvanized surface for superior protection.



WIDE COMPATIBILITY

Compatible with various profiles and system configurations.



SUSTAINABLE

Durable materials supporting a greener future.



QUALITY ASSURED

Manufactured under strict quality control to meet international standards.

ACCESSORIES RANGE



END CLAMP

Secures the outer edge of solar modules.



MID CLAMP

Fixes modules between two panels.



RAIL SPLICE

Connects two mounting rails securely.



L-FOOT

Universal solution for metal roof installations.



HANGER BOLT

Used for wood or metal roof applications.



SELF-TAPPING SCREW

High-strength screw for metal roof fixing.



GROUNDING LUG

Ensures safe electrical grounding.



CABLE CLIP

Organizes and secures cables neatly.



WIRE MESH TRAY

Cable management solution for PV systems.



U-BOLT

For mounting pipes or structural members.



ADJUSTABLE BASE

Allows angle adjustment for optimal alignment.



BOLT & NUT SET

High-quality fasteners for secure connections.

MATERIAL & COATING

Material	Carbon Steel
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	60 – 80 µm (Standard) (Customizable)
Surface Finish	Smooth & Uniform
Corrosion Resistance	C3 – C5 (EN ISO 12944)
Design Life	25+ Years
Temperature Range	-40°C to +150°C

APPLICATION EXAMPLES



GROUND MOUNT SYSTEMS



ROOFTOP MOUNT SYSTEMS



CARPORT & AGRI-PV SYSTEMS

INSTALLATION BENEFITS

- ✓ Pre-designed for perfect fit and alignment
- ✓ Reduces installation time and labor cost
- ✓ Minimizes on-site cutting and modifications
- ✓ Ensures long-term structural performance
- ✓ Tested for safety under extreme conditions

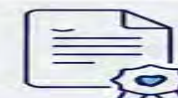
COMPLIANCE & STANDARDS



EN 1090
EXC2



SGS



**ENGINEERED
TO MEET
INTERNATIONAL
STANDARDS**

SOLAR STEEL

STRUCTURE PROFILES

PRECISION ENGINEERED.

BUILT TO PERFORM.

CASK STEEL offers a comprehensive range of high-strength steel profiles and components for all types of solar structures. Our precision-engineered solutions ensure structural integrity, quick installation, and long-term reliability in any environment.



ENGINEERED STRENGTH. LASTING VALUE.

High-quality steel profiles designed for maximum performance and durability.



HIGH STRENGTH

Manufactured from premium steel for superior structural performance.



CORROSION PROTECTION

Hot-dip galvanized for excellent resistance to corrosion and rust.



PRECISION ENGINEERED

Tight tolerances for perfect fit, alignment, and easy installation.



FAST INSTALLATION

Optimized profile design reduces installation time and labor cost.



SUSTAINABLE

100% recyclable steel supporting a greener future.



QUALITY ASSURED

Manufactured under strict quality control to international standards.

STRUCTURAL PROFILES



C-PURLIN

Main structural member for rails and beams.



Z-PURLIN

High load capacity with excellent spanning.



U-CHANNEL

Versatile profile for various applications.



HAT CHANNEL

Optimal strength to weight ratio.



SQUARE TUBE

Used for columns, supports and frames.



RECTANGULAR TUBE

Ideal for beams and cross members.



ANGLE

Widely used for bracing and connections.



FLAT BAR / PLATE

For base plates and connection parts.

TYPICAL APPLICATIONS



GROUND MOUNT SYSTEMS



ROOFTOP MOUNT SYSTEMS



SOLAR CARPORT SYSTEMS



AGRIVOLTAIC SOLUTIONS



FLOATING SOLAR SYSTEMS



SPECIAL TERRAIN SOLUTIONS

PROFILE SPECIFICATIONS

PARAMETER	DETAILS
Steel Grade	S350GD / S450GD
Standard	EN 10346 / EN 10143 / ASTM A653
Yield Strength	350 ~ 450 MPa
Coating	Hot-Dip Galvanized
Coating Standard	EN ISO 1461
Coating Thickness	60 ~ 80 µm (Standard) Customizable
Zinc Coating Mass	275 ~ 600 g/m²
Thickness (mm)	1.5 ~ 4.0 mm (Customizable)
Tolerance	As per applicable standards
Warranty	10 Years (Structure)

COATING & CORROSION PROTECTION



- Hot-dip galvanizing ensures long-term protection against corrosion.
- Suitable for harsh environments including coastal and industrial areas.
- Uniform zinc coating for complete surface protection.

CORROSION RESISTANCE CLASSIFICATION (EN ISO 12944)

C3

Urban & Industrial

C4

Coastal & Marine

C5

High Corrosive Environment

MATERIAL PROPERTIES

PROPERTY	VALUE
Density	7.85 g/cm³
Modulus of Elasticity	210 GPa
Tensile Strength	500 ~ 550 MPa
Elongation	≥ 16%
Thermal Conductivity	50 W/m·K
Coefficient of Thermal Expansion	12 × 10 ⁻⁶ /°C
Fire Resistance	Non-Combustible
Recyclability	100% Recyclable



All profiles are customizable in size, thickness, and coating to meet project requirements.

COMPLIANCE & STANDARDS



EN 1090

EXC2



SGS



ENGINEERED TO MEET

INTERNATIONAL STANDARDS

SOLAR CABLE MANAGEMENT SOLUTIONS

ORGANIZED. PROTECTED.
BUILT TO LAST.

CASK STEEL cable management systems are designed to protect and organize solar DC cables, ensuring safety, reliability, and easy maintenance throughout the lifetime of your PV installation.



EARTHING & LIGHTNING PROTECTION SYSTEMS

PROTECTING STRUCTURES.
SAFEGUARDING INVESTMENTS.

CASK STEEL earthing and lightning protection systems provide complete solutions to protect solar installations and structures from lightning strikes and electrical faults, ensuring safety, reliability, and continuity of operations.



PROTECT YOUR INVESTMENT. MAXIMIZE PERFORMANCE.

Reliable cable management for safe, efficient, and long-term solar operations.



CABLE PROTECTION

Shields cables from UV, mechanical damage, and external impacts.



CORROSION RESISTANT

Hot-dip galvanized or coated systems for harsh environments.



ORGANIZED ROUTING

Keeps cables neatly organized for easy inspection & maintenance.



FAST INSTALLATION

Smart design reduces installation time and labor cost.



VERSATILE SYSTEMS

Wide range of solutions for ground, rooftop, and carport installations.



SUSTAINABLE

Durable, recyclable materials supporting a greener future.

CABLE MANAGEMENT SYSTEMS



CABLE TRAY PERFORATED

- Excellent ventilation
- Reduces heat build-up
- Available in multiple sizes & thicknesses



CABLE LADDER

- High strength & load capacity
- Ideal for long spans
- Easy cable access



WIRE MESH TRAY

- Lightweight & flexible solution
- Ideal for DC cable management
- Quick to install



CABLE DUCT (SOLID BOTTOM)

- Protects from dust, water, and rodents
- Suitable for sensitive cable routing



CABLE TROUGH WITH COVER

- Complete protection from environment
- Improved safety & reliability



CABLE SUPPORT SYSTEMS

- Clamps, brackets & hangers
- Secure and adaptable for all structures

MATERIAL & COATING

Material	Carbon Steel (IS 2062)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	60 – 80 µm (Standard) (Customizable)
Finish	Smooth & Uniform
Corrosion Resistance	C3 – C5 (EN ISO 12944)
Design Life	25+ Years
Operating Temperature	-40°C to +150°C

KEY FEATURES

- ✓ UV resistant and weatherproof
- ✓ High load-bearing capacity
- ✓ Smooth edges for cable safety
- ✓ Compatible with all solar structures
- ✓ Customizable dimensions & fittings
- ✓ Compliant with international standards

APPLICATION AREAS



GROUND MOUNT SYSTEMS



ROOFTOP MOUNT SYSTEMS



SOLAR CARPORT SYSTEMS

STANDARD SIZES (Examples)

Type	Width (mm)	Height (mm)	Thickness (mm)
Perforated Cable Tray	100	50	1.2 – 2.0
	150	50	1.2 – 2.0
	200	50	1.2 – 2.0
	300	50	1.5 – 2.0
Cable Ladder	400	50	1.5 – 2.0
	150	50	1.5 – 2.5
	300	50	1.5 – 2.5
	450	50	2.0 – 2.5
	600	50	2.0 – 2.5

Other sizes and thicknesses available on request.

COMPLIANCE & STANDARDS



ENGINEERED TO MEET
INTERNATIONAL
STANDARDS



EFFECTIVE PROTECTION

Protects against lightning strikes and electrical surges.



LOW RESISTANCE

Ensures low earthing resistance for optimal performance.



CORROSION RESISTANT

Hot-dip galvanized and copper bonded materials for long service life.



EASY INSTALLATION

Designed for quick and secure installation with reliable connections.



COMPLIANT

Tested to international standards for safety and reliability.



SUSTAINABLE

Durable materials supporting a greener and safer future.

PRODUCT RANGE



COPPER BONDED EARTHING ROD

- High tensile strength
- Low resistance
- Corrosion resistant



COPPER EARTHING STRIP / TAPE

- High conductivity
- Flexible installation
- Available in various sizes



COPPER EARTHING CABLE

- Fine stranded copper
- High conductivity
- UV resistant insulation



EARTHING CLAMPS

- Secure connections
- High mechanical strength
- Suitable for all applications



LIGHTNING AIR TERMINAL

- Early streamer emission
- Stainless steel
- High protection radius



SURGE PROTECTION DEVICE (SPD)

- Protects against surges
- AC / DC applications
- High discharge capacity

EARTHING SYSTEM COMPONENTS

- 1 Lightning Air Terminal
- 2 Down Conductor (Copper Tape)
- 3 Test Clamp
- 4 Earthing Clamp
- 5 Copper Bonded Earthing Rod
- 6 Inspection Pit
- 7 Earthing Cable
- 8 Connection to Main Earthing Bar

SYSTEM DIAGRAM



TECHNICAL SPECIFICATIONS

Parameter	Details
Earthing Resistance	≤ 10 Ω (Recommended)
Lightning Protection Level	LPL I, II, III, IV
Material	Copper / Copper Bonded Steel / Hot-Dip Galvanized Steel
Material Standard	IEC 62561, EN 62305
Operating Temperature	-40°C to +150°C
Coating	Hot-Dip Galvanized (EN ISO 1461)
Design Life	25+ Years

APPLICATIONS

- SOLAR POWER PLANTS
- ROOFTOP INSTALLATIONS
- CARPORT SYSTEMS
- INDUSTRIAL FACILITIES
- TELECOM TOWERS

COMPLIANCE & STANDARDS



IEC 62305



IEC 62561



EN 62305



UL 467



CE Marked



ISO 9001:2015



Engineered to meet international standards for complete protection and peace of mind.

WHY CHOOSE CASK STEEL SYSTEMS?



HIGH RELIABILITY
Designed for maximum safety and performance.



LONG LASTING
Premium materials for extended service life.



EASY MAINTENANCE
Simple inspection and maintenance.



COST EFFECTIVE
Reduces downtime and prevents damage.



EXPERT SUPPORT
Technical support for design and installation.



SIGMA PROFILE S300

HIGH STRENGTH.
MAXIMUM PERFORMANCE.

CASK STEEL Sigma Profiles are engineered for high load-bearing capacity and long-term durability in solar mounting structures. The optimized "Σ" shape provides exceptional strength with reduced material usage, ensuring cost-effective and sustainable solar installations.



HIGH STRENGTH
Superior load capacity



CORROSION RESISTANT
Hot-dip galvanized protection



EASY INSTALLATION
Fast and secure assembly

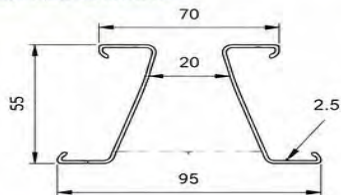


SUSTAINABLE SOLUTION
Recyclable steel materials

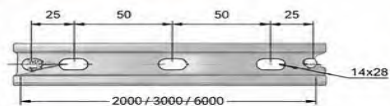
APPLICATIONS

- Ground Mount Systems
- Rooftop Installations
- Solar Carports
- Agrivoltaic Systems
- Industrial Solar Projects

TECHNICAL DRAWING



HOLE PATTERN (STANDARD)



COMPATIBLE CONNECTIONS



SPLICE CONNECTION
High strength splice for continuous rails



T-RAIL CONNECTION
Secure connection for cross rail systems



BASE CONNECTION
Fixed with L-foot and anchor to structure



ADJUSTABLE CONNECTION
Compatible with adjustable mounting solutions

AVAILABLE OPTIONS

Part Number	Profile	Thickness (mm)	Length (mm)	Coating	Slotted Hole	Weight (kg/m)
CS-S300-20-2.0	Sigma S300	2.0	2000	HDG	14x28	2.95
CS-S300-20-2.5	Sigma S300	2.5	2000	HDG	14x28	3.65
CS-S300-25-2.5	Sigma S300	2.5	3000	HDG	14x28	3.65
CS-S300-25-3.0	Sigma S300	3.0	3000	NDG	14x28	4.30
CS-S300-30-3.0	Sigma S300	3.0	6000	HDG	14x28	4.30

MATERIAL & COATING



High quality carbon steel



Hot-dip galvanized protection



Long lifetime in all environments



100% recyclable & sustainable

DOCUMENTS AVAILABLE

- CAD Drawings (DWG / STEP)
- Technical Data Sheet
- Load Capacity Report
- Material Certificates (EN 10204 3.1)
- Galvanizing Certificate (EN ISO 1461)

SCAN FOR CAD DRAWING & TECHNICAL DATA



CASK STEEL
Sigma Profile S300



DWG



STEP

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S350GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 – 100 µm
Material Thickness	2.0 mm 2.5 mm 3.0 mm
Standard Length	2000 mm 3000 mm 6000 mm
Steel Grade	S350GD + Z275
Yield Strength	≥ 350 MPa
Tensile Strength	≥ 420 MPa
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISC 360
Application Standard	EN 1090 / ISO 9001

LOAD CAPACITY (REFERENCE)

Thickness (mm)	Span (m)	Allowable Load (kN/m)
2.0	1.6	2.45
2.5	2.0	3.50
3.0	2.4	4.70

*Load capacity values are calculated according to Eurocode 3 (EN 1993-1-3) – Safety Factor 1.5

AVAILABLE HOLE OPTIONS



SLOTTED HOLE
14x28 mm (Standard)



ROUND HOLE
Ø 11 mm (Optional)



CUSTOM PATTERN
On Request

C PROFILE C200

VERSATILE. RELIABLE.
BUILT TO PERFORM.

CASK STEEL C Profiles are cold-formed for high strength and dimension accuracy. They are widely used as purlins, rails and structural members in solar mounting systems. The optimized C shape ensures excellent load-bearing capacity, easy installation and long-term durability.



HIGH STRENGTH
Superior load capacity



CORROSION RESISTANT
Hot-dip galvanized protection



EASY INSTALLATION
Fast and secure assembly

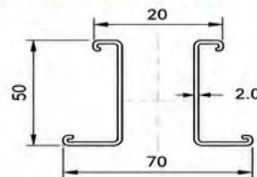


SUSTAINABLE SOLUTION
Recyclable steel materials

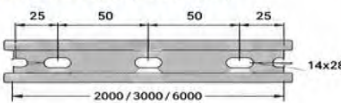


QUALITY ASSURED
Manufactured to international standards

TECHNICAL DRAWING (mm)



HOLE PATTERN (STANDARD)



COMPATIBLE CONNECTIONS



SPLICE CONNECTION
Secure connection for longer spans



BASE CONNECTION
Fixed to foundation with high strength



T-CONNECTION
Used for cross rail applications



END CONNECTION
Ideal for termination of rails

COATING OPTIONS



HOT-DIP GALVANIZED
(EN ISO 1461)



MAGNELIS® (ZM310)
(EN 10346)



PRE-GALVANIZED (Z275)
(EN 10346)

MECHANICAL PROPERTIES (S350GD)

Yield Strength (fy)	≥ 350 MPa
Tensile Strength (fu)	≥ 420 MPa
Elongation (A80)	≥ 20 %
Modulus of Elasticity (E)	210,000 MPa

SCAN FOR CAD DRAWINGS & TECHNICAL DATA



DWG



STEP



PDF

APPLICATION EXAMPLES



APPLICATIONS

- Ground Mount Systems
- Rooftop Installations
- Solar Carports
- Agrivoltaic Systems
- Industrial Solar Projects

PRODUCT CODE
CST-CP-200

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S350GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 – 100 µm
Material Thickness (t)	1.5 mm 2.0 mm 2.5 mm 3.0 mm
Standard Length	2000 mm 3000 mm 6000 mm
Steel Grade	S350GD + Z275
Yield Strength (fy)	≥ 350 MPa
Tensile Strength (fu)	≥ 420 MPa
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISC 360
Application Standard	EN 1090 / ISO 9001

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)				ALLOWABLE LOAD (kN/m)
	1.5	2.0	2.5	3.0	
1.5	1.10	1.50	1.90	2.30	
2.0	1.70	2.30	2.90	3.50	
2.5	2.30	3.10	3.90	4.70	
3.0	2.80	3.80	4.80	5.70	

*Load capacity values are calculated in accordance with Eurocode 3 (EN 1993-1-3) – Safety Factor 1.5

AVAILABLE SIZES & LENGTHS

THICKNESS (mm)	LENGTHS (mm)	SLOTTED HOLE
1.5	2000 / 3000 / 6000	14x28 mm
2.0	2000 / 3000 / 6000	14x28 mm
2.5	2000 / 3000 / 6000	14x28 mm
3.0	2000 / 3000 / 6000	14x28 mm

Custom lengths and hole patterns available upon request.

CERTIFIED QUALITY. COMPLIANT WITH INTERNATIONAL STANDARDS.



ENGINEERED TO PERFORM.
BUILT TO LAST.

SOLAR RAIL
SR-01

STRONG. RELIABLE. BUILT FOR SOLAR.

CASK Steel Solar Rail (SR-01) is a high-strength mounting rail designed to deliver maximum durability and compatibility across all leading solar mounting systems. Engineered for quick installation and long-term performance in all environmental conditions.

- 

HIGH STRENGTH
Engineered for maximum load capacity
- 

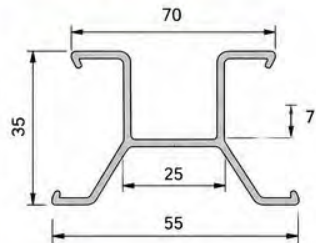
CORROSION RESISTANT
Hot-dip galvanized coating
- 

EASY INSTALLATION
Pre-slotted for fast assembly
- 

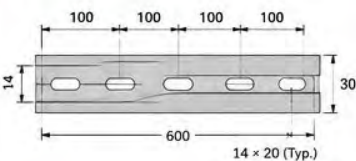
SUSTAINABLE SOLUTION
100% recyclable steel
- 

UNIVERSAL COMPATIBILITY
Compatible with all major systems

TECHNICAL DRAWING (mm)



HOLE PATTERN (mm)



COMPATIBLE COMPONENTS



3D RENDER



KEY FEATURES

- ✓ Optimized C-shape for superior load distribution
- ✓ Pre-slotted holes for fast and accurate installation
- ✓ High load capacity for all solar mounting systems
- ✓ Excellent corrosion resistance for long-term durability
- ✓ Compatible with L feet, mid clamps and end clamps
- ✓ Available in multiple lengths and coating options

SOLAR RAIL
SR-40

STRONG RAIL. SECURE SYSTEM.
BUILT FOR SOLAR.

CASK Steel Solar Rail SR-40 is a high-performance mounting rail designed for secure and long-lasting solar installations. Engineered for strength, corrosion resistance, and easy installation, it ensures maximum compatibility with all major mounting components and solar modules.

- 

HIGH STRENGTH
Engineered for maximum load and durability
- 

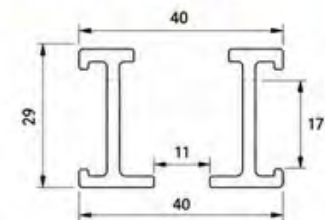
CORROSION RESISTANT
Hot-dip galvanized for long-term protection
- 

EASY INSTALLATION
Lightweight design for fast and efficient installation
- 

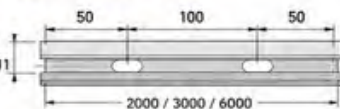
UNIVERSAL COMPATIBILITY
Works with all major components and module types
- 

SUSTAINABLE SOLUTION
Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



HOLE PATTERN (TOP VIEW)



COMPATIBLE ACCESSORIES



AVAILABLE LENGTHS

- 2000 mm
- 3000 mm
- 6000 mm

Custom lengths available

TECHNICAL SPECIFICATIONS

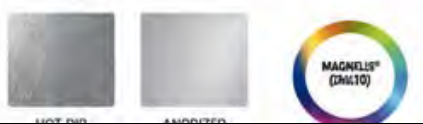
Material	Aluminum Alloy 6063-T5
Coating	Anodized (10-15 µm) / Mill Finish
Rail Length (Standard)	2000 mm / 3000 mm / 6000 mm
Rail Profile	40 mm Top Width × 29 mm Height
Mounting Type	Mid Clamp / End Clamp Compatible
Weight	1.52 kg/m (±5%)
Section Modulus (Zx)	8.60 cm³
Moment of Inertia (Ix)	15.90 cm⁴
Surface Treatment	Anodized / Mill Finish
Standard	EN 755-2 / EN 12020-1
Warranty	10 Years

LOAD CAPACITY (kN/m)

LOAD TYPE	SPAN (mm)				
	1200	1600	2000	2400	3000
Uniform Load	2.85	1.60	1.02	0.70	0.45
Wind Load (Up)	2.10	1.50	1.00	0.70	0.50
Wind Load (Down)	1.80	1.20	0.80	0.55	0.40

* Values are calculated for 1.5 safety factor and based on EN 1991-1-3.

COATING OPTIONS



CASK

STEEL

L FOOT LF-120

SECURE CONNECTION.
STRONG FOUNDATION.

CASK Steel L Foot LF-120 is designed to provide a strong and reliable connection between solar mounting rails and concrete foundations. Engineered for durability and easy installation, it ensures maximum holding strength and long-term performance.



HIGH STRENGTH
Engineered for maximum holding power



CORROSION RESISTANT
Hot-dip galvanized for long-term protection



EASY INSTALLATION
Pre-slotted holes for fast and secure assembly

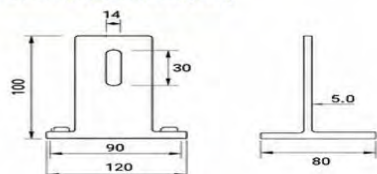


STRONG CONNECTION
Provides secure connection between rail and foundation

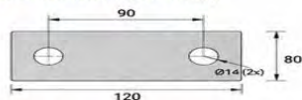


SUSTAINABLE SOLUTION
Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



HOLE PATTERN (TOP VIEW)



COMPATIBLE ACCESSORIES



APPLICATION EXAMPLES



GROUND MOUNT

ROOFTOP

SOLAR CARPORT

AGRIVOLTAIC

3D RENDER



KEY FEATURES

- ✓ Pre-slotted vertical hole for height adjustment
- ✓ Thick base plate for superior load distribution
- ✓ Compatible with all standard rails and accessories
- ✓ High resistance to uplift and shear loads
- ✓ Hot-dip galvanized for excellent corrosion resistance
- ✓ Suitable for all climatic conditions

AVAILABLE SIZES

THICKNESS (mm)	VERTICAL SLOT (mm)	BASE HOLE (mm)
3.0	14 × 30	Ø14
4.0	14 × 30	Ø14
5.0	14 × 30	Ø14
6.0	14 × 30	Ø14

Custom sizes and hole patterns available upon request.

MATERIAL & STANDARDS

- Carbon Steel S235JR
- Hot-Dip Galvanized to EN ISO 1461
- Complies with EN 1993-1-3
- Manufactured to EN 1090-1
- Quality Management System ISO 9001



CAD DRAWING
Scan the QR code drawings, data guides.



TECHNICAL SPECIFICATIONS

Material	Carbon Steel S235JR
Coating	Hot-Dip Galvanized to EN ISO 1461
Zinc Coating Thickness	70 – 100 µm
Material Thickness (t)	1.5 mm 2.0 mm 2.5 mm 3.0 mm
Base Plate Size (A × B)	90 × 120 mm
Height (H)	100 mm
Vertical Slot Size	14 × 30 mm
Base Hole Size	Ø14 mm
Distance Between Holes (C)	90 mm
Steel Grade	S235JR
Surface Treatment	Hot-Dip Galvanized
Design Standard	EN 1993-1-3
Application Standard	EN 1090-1
Warranty	10 years

LOAD CAPACITY (REFERENCE)

LOAD TYPE	Capacity (kN)
Uplift Load	7.0
Shear Load	8.0
Tension Load	7.0

* Load capacity values are for Safety Factor 1.5.

CASK

STEEL

Z PROFILE Z150

SMART DESIGN. HIGH STRENGTH.
MAXIMUM PERFORMANCE.

CASK Steel Z Profile Z150 is designed for high strength and excellent load distribution in solar mounting systems. Its optimized Z shape provides superior rigidity, reduced material usage, and easy installation for both ground and rooftop applications.



HIGH STRENGTH
Engineered for maximum load capacity



CORROSION RESISTANT
Hot-dip galvanized for long-term protection



EASY INSTALLATION
Lightweight design for fast and efficient assembly

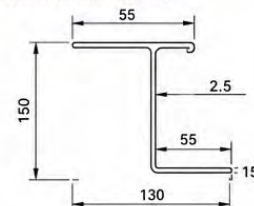


OPTIMIZED DESIGN
Z shape for superior stiffness and material efficiency



SUSTAINABLE SOLUTION
Recyclable steel for a greener future

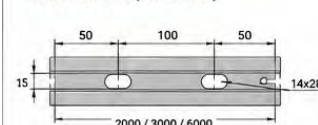
TECHNICAL DRAWING (mm)



3D RENDER



HOLE PATTERN (STANDARD)



KEY FEATURES

- ✓ Optimized Z shape for high load capacity
- ✓ Excellent stiffness and load distribution
- ✓ Multiple slot options for flexible installation
- ✓ Compatible with all standard accessories
- ✓ Hot-dip galvanized for superior corrosion resistance
- ✓ Suitable for all climate conditions

COMPATIBLE CONNECTIONS

AVAILABLE SIZES & LENGTHS

COATING OPTIONS

PRODUCT CATALOGUE 2026



APPLICATIONS

- Ground Mount Systems
- Rooftop Installations
- Solar Carports
- Agrivoltaic Systems
- Industrial Solar Projects

PRODUCT CODE
CST-ZP-150

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S350GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 – 100 µm
Material Thickness (t)	1.5 mm 2.0 mm 2.5 mm 3.0 mm
Standard Length	2000 mm 3000 mm 6000 mm
Profile Height	150 mm
Flange Width (Top)	55 mm
Flange Width (Bottom)	55 mm
Lip Length	15 mm
Steel Grade	S350GD + Z275
Yield Strength (fy)	≥ 350 MPa
Tensile Strength (fu)	≥ 420 MPa
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISI 360
Application Standard	EN 1090 / ISO 9001

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)				ALLOWABLE LOAD (kN/m)
	1.5	2.0	2.5	3.0	
1.5	1.10	0.75	0.50	0.35	
2.0	1.70	1.15	0.75	0.50	
2.5	2.40	1.60	1.05	0.70	
3.0	3.10	2.05	1.35	0.90	

* Load capacity values are calculated according to Eurocode 3 (EN 1993-1-3) – Safety Factor 1.5



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



U CHANNEL
UC-41STRONG SUPPORT.
RELIABLE FOUNDATION.

CASK Steel U Channel UC-41 is engineered for superior strength and versatility. Ideal for structural support, cross bracing and accessory mounting in solar PV systems.



HIGH STRENGTH

High load capacity and structural reliability



CORROSION PROTECTION

Hot-dip galvanized for long-term durability



EASY INSTALLATION

Pre-punched slots for fast and secure installation



VERSATILE USE

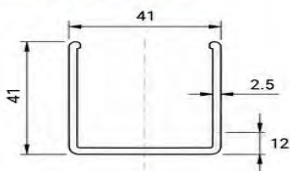
Suitable for multiple applications and structures



SUSTAINABLE SOLUTION

Recyclable steel for a greener future

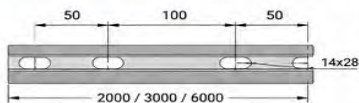
TECHNICAL DRAWING (mm)



3D RENDER



HOLE PATTERN (STANDARD)



KEY FEATURES

- ✓ High strength U profile for structural support
- ✓ Pre-punched slots for flexible installation
- ✓ Compatible with all standard accessories
- ✓ Hot-dip galvanized for superior corrosion resistance
- ✓ Ideal for cross bracing, purlins and equipment support
- ✓ Suitable for all climate conditions

COMPATIBLE ACCESSORIES



AVAILABLE SIZES & LENGTHS

THICKNESS (mm)	LENGTHS (mm)	SLOTTED HOLE
2.0	2000 / 3000 / 6000	14x28 mm
2.5	2000 / 3000 / 6000	14x28 mm
3.0	2000 / 3000 / 6000	14x28 mm

Custom lengths and hole patterns available upon request.

COATING OPTIONS



APPLICATION EXAMPLES



MATERIAL & STANDARDS

- Carbon Steel S350GD + Z275
- Hot-Dip Galvanized to EN ISO 1461
- Complies with EN 1993-1-3
- Manufactured to EN 1090-1
- Quality Management System ISO 9001



CAD DRAWINGS & TECHNICAL DATA

Scan the QR code to download CAD drawings, datasheets, and installation guides.



- CAD DRAWINGS (DWG / STEP)
- TECHNICAL DATASHEET (PDF)
- INSTALLATION GUIDE (PDF)

APPLICATIONS

- Ground Mount Systems
- Rooftop Installations
- Solar Carports
- Agrivoltaic Systems
- Industrial Solar Projects

PRODUCT CODE
CST-UC-41

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S350GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 ~ 100 µm
Material Thickness (t)	2.0 mm 2.5 mm 3.0 mm
Standard Length	2000 mm 3000 mm 6000 mm
Profile Height (H)	41 mm
Flange Width (B)	41 mm
Lip Length (C)	12 mm
Slot Size	14x28 mm (Standard)
Steel Grade	S350GD + Z275
Yield Strength (fy)	≥ 350 MPa
Tensile Strength (fu)	≥ 420 MPa
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISC 360
Application Standard	EN 1090 / ISO 9001

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)					ALLOWABLE LOAD (kN/m)
	1.5	2.0	2.5	3.0		
2.0	2.20	1.40	0.90	0.60		2.20
2.5	3.10	1.95	1.25	0.85		3.10
3.0	3.90	2.45	1.60	1.10		3.90

* Load capacity values are calculated according to Eurocode 3 (EN 1993-1-3) – Safety Factor 1.5

L FOOT
LF-120SECURE CONNECTION.
STRONG FOUNDATION.

CASK Steel L Foot LF-120 is designed to provide a strong and reliable connection between solar mounting rails and concrete foundations. Engineered for durability and easy installation, it ensures maximum holding strength and long-term performance.



HIGH STRENGTH

Engineered for maximum holding power



CORROSION RESISTANT

Hot-dip galvanized for fast and long-term protection



EASY INSTALLATION

Pre-slotted holes for fast and secure assembly



STRONG CONNECTION

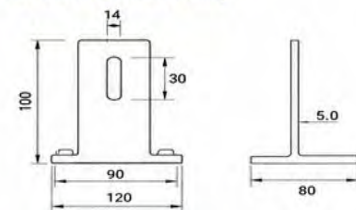
Provides secure connection between rail and foundation



SUSTAINABLE SOLUTION

Recyclable steel for a greener future

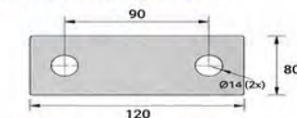
TECHNICAL DRAWING (mm)



3D RENDER



HOLE PATTERN (TOP VIEW)



KEY FEATURES

- ✓ Pre-slotted vertical hole for height adjustment
- ✓ Thick base plate for superior load distribution
- ✓ Compatible with all standard rails and accessories
- ✓ High resistance to uplift and shear loads
- ✓ Hot-dip galvanized for excellent corrosion resistance
- ✓ Suitable for all climatic conditions

COMPATIBLE ACCESSORIES



AVAILABLE SIZES

THICKNESS (mm)	VERTICAL SLOT (mm)	BASE HOLE (mm)
3.0	14 × 30	Ø14
4.0	14 × 30	Ø14
5.0	14 × 30	Ø14
6.0	14 × 30	Ø14

Custom sizes and hole patterns available upon request.

APPLICATIONS

- Ground Mount Systems
- Rooftop Installations
- Solar Carports
- Agrivoltaic Systems
- Industrial Solar Projects

PRODUCT CODE
CST-LF-120

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S235JR)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 ~ 100 µm
Material Thickness (t)	5.0 mm
Base Plate Size (A × B)	120 × 80 mm
Height (H)	100 mm
Vertical Slot Size	14 × 30 mm
Base Hole Size	14 mm
Distance Between Holes (C)	90 mm
Steel Grade	S235JR
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISC 360
Application Standard	EN 1090 / ISO 9001
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

LOAD TYPE	THICKNESS (mm)			
	3.0	4.0	5.0	6.0
Uplift Load (kN)	7.5	10.5	13.5	16.0
Shear Load (kN)	8.0	11.0	14.5	17.0
Tension Load (kN)	7.0	9.5	12.0	15.0

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COATING OPTIONS



MATERIAL & STANDARDS

- Carbon Steel S235JR
- Hot-Dip Galvanized to EN ISO 1461
- Complies with EN 1993-1-3
- Manufactured to EN 1090-1
- Quality Management System ISO 9001



CAD DRAWINGS & DOCUMENTATION

Scan the QR code to download CAD drawings, datasheets and installation guides.



- CAD DRAWINGS (DWG / STEP)
- TECHNICAL DATASHEET (PDF)
- INSTALLATION GUIDE (PDF)



ENGINEERED TO PERFORM



QUALITY ASSURED



SUSTAINABLE BY DESIGN



TRUSTED WORLDWIDE



SPLICE CONNECTOR

STRONGER TOGETHER.
SEAMLESS CONNECTION.

CASK Steel Splice Connector is designed for secure and reliable joining of C, Z and U profiles, ensuring maximum structural strength and alignment in solar mounting systems.

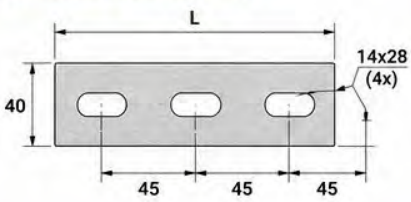


- APPLICATIONS
- Rail Extensions
 - Structural Connections
 - Solar Mounting Systems
 - Frame Reinforcements
 - Industrial Structures

PRODUCT CODE
CST-SP-01

- STRONG CONNECTION**
Engineered for high load and structural integrity
- CORROSION RESISTANT**
Hot-dip galvanized for long-term protection
- EASY INSTALLATION**
Pre-slotted for fast and accurate assembly
- UNIVERSAL COMPATIBILITY**
Suitable for C, Z and U profiles connections
- SUSTAINABLE SOLUTION**
Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



3D RENDER



COMPATIBLE PROFILES



CONNECTION EXAMPLE



TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S235JR)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 – 100 µm
Material Thickness (t)	3.0 mm 4.0 mm 5.0 mm
Standard Length (L)	200 mm 250 mm 300 mm
Slot Size	14 x 28 mm
Number of Slots	4 / 6 (According to length)
Bolt Size	M8 / M10
Compatible Profiles	C / Z / U Profiles
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISC 360
Application Standard	EN 1090 / ISO 9001
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	BOLT SIZE	ALLOWABLE LOAD (kN)	
		SHEAR	TENSION
3.0	M8	12.5	10.0
4.0	M10	20.0	16.0
5.0	M10	28.0	22.0

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

AVAILABLE SIZES & CONFIGURATIONS

LENGTH (L)	SLOTS QTY.	THICKNESS (mm)	USE
200 mm	4 Slots	3.0 / 4.0 / 5.0	Standard Applications
250 mm	4 Slots	3.0 / 4.0 / 5.0	Heavy Duty Applications
300 mm	6 Slots	4.0 / 5.0	Extra Heavy Duty

* Custom sizes & hole patterns available upon request.

COMPATIBLE ACCESSORIES

COATING OPTIONS

KEY FEATURES



SPLICE KIT SK-200

STRONG CONNECTION.
SEAMLESS CONTINUITY.

CASK Steel Splice Kit SK-200 is designed to connect profiles securely and efficiently, ensuring maximum strength and alignment in solar mounting structures.

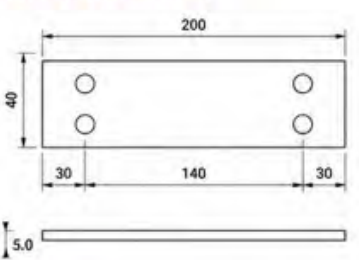


- APPLICATIONS
- Ground Mount Systems
 - Rooftop Installations
 - Solar Carports
 - Agrivoltaic Systems
 - Industrial Solar Projects

PRODUCT CODE
CST-SK-200

- HIGH STRENGTH**
Engineered for maximum load capacity
- CORROSION RESISTANT**
Hot-dip galvanized for long-term protection
- EASY INSTALLATION**
Pre-assembled kit for fast and secure connection
- SECURE CONNECTION**
Ensures continuous alignment and structural integrity
- SUSTAINABLE SOLUTION**
Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



3D RENDER



KIT CONTENTS



KEY FEATURES

- Pre-drilled plate for precise alignment
- High strength bolts and flange nuts
- Ensures smooth load transfer between profiles
- Compatible with multiple profile types
- Hot-dip galvanized for superior corrosion resistance
- Suitable for all climate conditions

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (S235JR)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Zinc Coating Thickness	70 – 100 µm
Bolt Size	M8 x 25 mm
Nut Type	Hex Flange Nut M8
Washer	Flat Washer M8
Plate Thickness	5.0 mm
Plate Width	40 mm
Plate Length	200 mm
Suitable For Profiles	C Profile C200 / Z150 / U Channel UC-41
Steel Grade	S235JR
Surface Treatment	Pickled & Oiled
Design Standard	EN 1993 / AISC 360
Application Standard	EN 1090 / ISO 9001
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

PROFILE COMBINATION	ALLOWABLE LOAD (kN)	
	TENSION	SHEAR
C200 – C200	16.5	21.0
Z150 – Z150	14.5	19.0
UC-41 – UC-41	13.5	17.5
C200 – Z150	15.0	20.0

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COMPATIBLE PROFILES

INSTALLATION GUIDE

COATING OPTIONS

END CLAMP

EC-35

SECURE. STRONG. RELIABLE.
DESIGNED FOR SOLAR EXCELLENCE.

CASK Steel End Clamp EC-35 is designed to secure solar panels at the end of the rail, ensuring maximum holding strength and system safety. Engineered for quick installation, durability and compatibility with various mounting systems.

SECURE HOLD

Strong grip for maximum panel retention

CORROSION RESISTANT

Hot-dip galvanized or aluminum options for long-term durability

EASY INSTALLATION

Simple and quick installation with standard tools

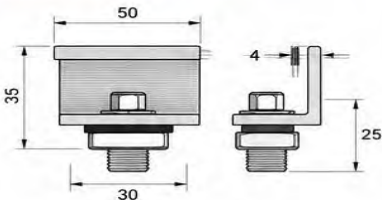
UNIVERSAL COMPATIBILITY

Compatible with different rail profiles and panel frames

SUSTAINABLE SOLUTION

Recyclable materials for a greener future

TECHNICAL DRAWING (mm)



3D RENDER



TECHNICAL SPECIFICATIONS

Material	Aluminum 6005-T5 (AL) / Stainless Steel (SS304)
Surface Treatment (AL)	Anodized / Mill Finish
Surface Treatment (Steel)	Hot-Dip Galvanized (EN ISO 1461)
Clamp Thickness	4.0 mm
Overall Height (H)	35 mm
Clamp Length (L)	50 mm
Bolt Size	M8 x 25 mm (Hex Socket)
Washer	EPDM Washer Included
Compatible Panel Thickness	30 – 35 mm
Compatible Rail Profiles	C Profile, Z Profile, U Channel
Application	End of Rail Panel Fixing
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

PANEL THICKNESS (mm)	ULTIMATE PULL-OUT LOAD (kN)	ULTIMATE SHEAR LOAD (kN)
30	3.20	4.10
32	3.40	4.40
35	3.60	4.70

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

INSTALLATION EXAMPLE



COMPATIBLE RAIL PROFILES



AVAILABLE MATERIALS



COMPATIBLE ACCESSORIES



KEY FEATURES

- Strong and reliable end fixing solution
- High resistance to wind uplift and vibrations
- Protects panel frame from damage
- Corrosion-resistant for outdoor applications
- Lightweight and high-strength design
- Suitable for all climate conditions

PACKAGING INFORMATION

- Standard Package: 50 pcs / box
- Pallet Quantity: 3,000 pcs
- Gross Weight / Box: 5.0 kg (AL)
- Gross Weight / Box: 7.0 kg (HDG Steel)

APPLICATION EXAMPLES



MID CLAMP

MC-40

STRONG HOLD.
SECURE CONNECTION.
BUILT FOR PERFORMANCE.

CASK Steel Mid Clamp MC-40 is engineered to secure two adjacent solar panels to the rail with maximum grip and stability. Designed for fast installation and long-term reliability in all weather conditions.

STRONG CLAMPING

High clamping force for secure panel retention

CORROSION RESISTANT

Hot-dip galvanized or aluminum options for long life

EASY INSTALLATION

Quick and simple installation with standard tools

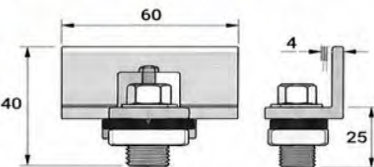
UNIVERSAL COMPATIBILITY

Compatible with various rail profiles and panel frames

SUSTAINABLE SOLUTION

Recyclable materials for a greener future

TECHNICAL DRAWING (mm)



3D RENDER



TECHNICAL SPECIFICATIONS

Material	Aluminum 6005-T5 (AL) / Stainless Steel (SS304)
Surface Treatment (AL)	Anodized / Mill Finish
Surface Treatment (Steel)	Hot-Dip Galvanized (EN ISO 1461)
Clamp Thickness	4.0 mm
Overall Height (H)	40 mm
Clamp Length (L)	60 mm
Bolt Size	M8 x 25 mm (Hex Socket)
Washer	EPDM Washer Included
Compatible Panel Thickness	30 – 40 mm
Compatible Rail Profiles	C Profile, Z Profile, U Channel
Application	Between Two Panels
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

PANEL THICKNESS (mm)	ULTIMATE PULL-OUT LOAD (kN)	ULTIMATE SHEAR LOAD (kN)
30	3.20	4.10
35	3.40	4.30
40	3.60	4.60

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

INSTALLATION EXAMPLE



COMPATIBLE RAIL PROFILES



AVAILABLE MATERIALS



COMPATIBLE ACCESSORIES



KEY FEATURES

- Pre-assembled with EPDM washer
- Strong grip for secure panel connection
- High resistance to wind uplift and vibration
- Compatible with standard fasteners
- Corrosion-resistant for outdoor applications
- Lightweight and high-strength design
- Suitable for all climate conditions

PACKAGING INFORMATION

- Standard Package: 50 pcs / box
- Pallet Quantity: 2,500 pcs
- Gross Weight / Box: 5.2 kg (AL)
- Gross Weight / Box: 7.5 kg (HDG Steel)

APPLICATION EXAMPLES





T-BOLT

TBT-M8 / M10

STRONG FIXING.
RELIABLE PERFORMANCE.

CASK Steel T-Bolt is used with channel nuts for fast and secure installation in C, Z and U profiles. Its special design ensures high pull-out strength and stability in all mounting systems.



APPLICATIONS

- Solar Panel Mounting
- Rail Connections
- Structural Assemblies
- Cable Tray Systems
- Industrial Installations

PRODUCT CODE
CST-TB

HIGH STRENGTH

High pull-out and shear strength performance

CORROSION RESISTANT

Hot-dip galvanized for long-term durability

EASY INSTALLATION

Quick installation with channel nut and washer

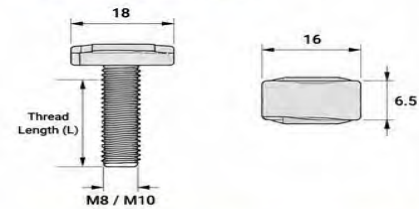
SECURE FIXING

Anti-rotation design provides secure and stable fixing

SUSTAINABLE SOLUTION

Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



3D RENDER



TECHNICAL SPECIFICATIONS

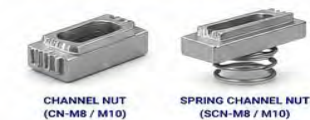
Material	Carbon Steel (Class 8.8)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thread Size	M8 / M10
Head Type	T-Head (H Type)
Standard	DIN 787 / ISO 299
Surface Treatment	Pickled & Oiled
Applications	C, Z, U Profiles with Channel Nuts
Compatibility	C Profile, Z Profile, U Channel
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THREAD SIZE	PULL-OUT LOAD (kN)	SHEAR LOAD (kN)	TIGHTENING TORQUE (Nm)
M8	7.5	6.2	15 - 20
M10	11.5	9.0	30 - 40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COMPATIBLE CHANNEL NUTS



AVAILABLE SIZES

THREAD SIZE	THREAD LENGTH (L)	SUITABLE PROFILE
M8	20 mm	C / Z / U Profiles with Channel Nuts
	25 mm	
	30 mm	
	40 mm	
M10	50 mm	C / Z / U Profiles with Channel Nuts
	25 mm	
	30 mm	
	40 mm	
	50 mm	
	60 mm	

Other lengths available upon request.

COATING OPTIONS



KEY FEATURES

- T-head design prevents rotation during installation
- High pull-out and shear strength
- Compatible with standard channel nuts
- Excellent corrosion resistance
- Suitable for all solar mounting applications

INSTALLATION EXAMPLE



APPLICATION EXAMPLES



COMPATIBLE ACCESSORIES



PACKAGING INFORMATION

Standard Package: 100 pcs / box
Pallet Quantity: 4,000 pcs
Gross Weight / Box (M8): 4.5 kg (HDG)
Gross Weight / Box (M10): 7.0 kg (HDG)



CHANNEL NUT

CN-M8 / M10

PERFECT FIT.
STRONG CONNECTION.
BUILT TO PERFORM.

CASK Steel Channel Nut is designed to slide into strut channels for a secure and adjustable fixing point. The spring-loaded design ensures tight engagement and resistance to vibration in all mounting applications.



APPLICATIONS

- Solar Panel Mounting
- Strut Channel Systems
- Cable Tray Support
- Electrical Installations
- HVAC & Mechanical

PRODUCT CODE
CST-CN

SECURE FIT

Spring-loaded design for firm and stable hold

CORROSION RESISTANT

Hot-dip galvanized for long-term durability

EASY INSTALLATION

Slides into channel and locks in place

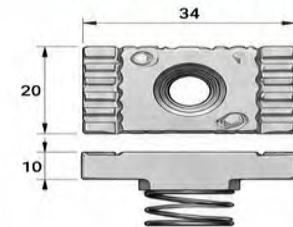
VERSATILE USE

Compatible with various channels and applications

SUSTAINABLE SOLUTION

Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



3D RENDER



TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Class 8.8)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Nut Type	Spring Channel Nut
Thread Size	M8 / M10
Standard	DIN 934 / ISO 4032 (Nut) DIN 7980 (Spring)
Surface Treatment	Hot-Dip Galvanized
Compatible Channel	C Profile, Z Profile, U Channel
Application	Solar Mounting, Strut Systems, Cable Trays, Electrical, HVAC
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THREAD SIZE	PULL-OUT LOAD (kN)	SHEAR LOAD (kN)	TIGHTENING TORQUE (Nm)
M8	7.5	6.0	15 - 20
M10	11.0	8.5	30 - 40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COMPATIBLE CHANNEL PROFILES



AVAILABLE SIZES

THREAD SIZE	SUITABLE CHANNEL
M8	C / Z / U Profiles (41, 41x21, 41x41, 41x62)
M10	C / Z / U Profiles (41, 41x21, 41x41, 41x62)

COATING OPTIONS



KEY FEATURES

- Spring design ensures tight engagement
- Prevents loosening from vibration and dynamic loads
- Quick and easy adjustment in channel
- Compatible with standard fasteners
- High load capacity and reliability
- Suitable for indoor and outdoor use

INSTALLATION EXAMPLE



APPLICATION EXAMPLES



COMPATIBLE ACCESSORIES



PACKAGING INFORMATION

Standard Package: 100 pcs / box
Pallet Quantity: 4,000 pcs
Gross Weight / Box (M8): 4.0 kg (HDG)
Gross Weight / Box (M10): 4.5 kg (HDG)





FLANGE NUT FN-M8 / M10

**WIDE FLANGE.
MAXIMUM GRIP.
SUPERIOR HOLD.**

CASK Steel Flange Nut provides a larger bearing surface to evenly distribute load and prevent loosening under vibration. Ideal for use with T-Bolts in strut channels and structural systems. Engineered for strength, reliability and durability.



APPLICATIONS

- Solar Panel Mounting
- Strut Channel Systems
- Structural Assemblies
- Cable Tray Support
- Electrical Installations
- HVAC & Mechanical

**PRODUCT CODE
CST-FN**

SPRING WASHER SW-M8 / M10

**PREVENTS LOOSENING.
MAINTAINS PRETENSION.
BUILT FOR RELIABILITY.**

CASK Steel Spring Washer provides a resilient locking action that maintains bolt tension and prevents loosening due to vibration and dynamic loads. An essential component for secure and durable solar mounting systems.



APPLICATIONS

- Solar Panel Mounting
- Strut Channel Systems
- Structural Assemblies
- Cable Tray Support
- Electrical Installations
- HVAC & Mechanical

**PRODUCT CODE
CST-SW**



WIDE FLANGE

Large bearing surface for better load distribution



CORROSION RESISTANT

Hot-dip galvanized for long-term durability



EASY INSTALLATION

Works perfectly with T-Bolts and channel nuts



VIBRATION RESISTANT

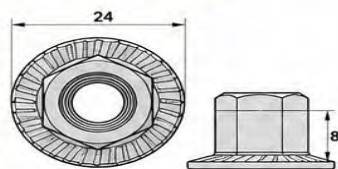
Flange serrations help prevent loosening



SUSTAINABLE SOLUTION

Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



M8 / M10

3D RENDER



TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Class 8.8)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thread Size	M8 / M10
Nut Type	Flange Nut with Serrated Base
Standard	DIN 6923 / ISO 4161
Surface Treatment	Hot-Dip Galvanized
Compatible Bolt	T-Bolt M8 / M10
Application	C, Z, U Profiles, Strut Systems, Solar Mounting, Cable Trays, Electrical, HVAC
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THREAD SIZE	PULL-OUT LOAD (kN)	SHEAR LOAD (kN)	TIGHTENING TORQUE (Nm)
M8	7.8	6.3	15 - 20
M10	11.6	9.2	30 - 40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



VIBRATION RESISTANT

Spring action maintains bolt tension and prevents loosening



CORROSION RESISTANT

Hot-dip galvanized for long-term durability



EASY INSTALLATION

Simple and effective solution for secure connections



HIGH ELASTICITY

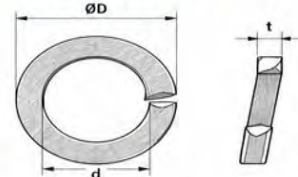
High-quality spring steel for optimum performance



SUSTAINABLE SOLUTION

Recyclable steel for a greener future

TECHNICAL DRAWING (mm)



SIZE	d (Inner Dia.)	ØD (Outer Dia.)	t (Thickness)	b (Width)
M8	8.4	13.5	2.0	2.5
M10	10.5	16.6	2.5	3.0

* Dimensions in millimeters (mm)

3D RENDER



TECHNICAL SPECIFICATIONS

Material	Spring Steel (EN 10132-4)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thread Size	M8 / M10
Type	Helical Spring Washer (Split Type)
Standard	DIN 1278 / ISO 7089
Surface Treatment	Hot-Dip Galvanized
Hardness	42 - 50 HRC
Application	Preload maintenance and vibration resistance
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THREAD SIZE	RECOMMENDED BOLT GRADE	MAXIMUM PRELOAD MAINTENANCE (kN)	RECOMMENDED TIGHTENING TORQUE (Nm)
M8	8.8	6.5	15 - 20
M10	8.8	9.0	30 - 40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COMPATIBLE WITH T-BOLTS



COMPATIBLE PROFILES



COATING OPTIONS



KEY FEATURES

- Wide flange for larger bearing surface
- Serrated base prevents loosening
- High strength and load capacity
- Corrosion and weather resistant
- Compatible with standard fasteners
- Suitable for indoor and outdoor use

INSTALLATION EXAMPLE



APPLICATION EXAMPLES



COMPATIBLE ACCESSORIES



PACKAGING INFORMATION

Standard Package: 100 pcs / box
Pallet Quantity: 4,000 pcs
Gross Weight / Box (M8): 4.0 kg (HDG)
Gross Weight / Box (M10): 4.5 kg (HDG)



COMPATIBLE BOLT SIZES



COMPATIBLE WITH



COATING OPTION



KEY FEATURES

- Split design creates spring action
- Maintains bolt tension under vibration
- Prevents loosening and improves safety
- High strength and fatigue resistance
- Compatible with standard fasteners
- Suitable for all solar mounting applications

INSTALLATION EXAMPLE



APPLICATION EXAMPLES



COMPATIBLE ACCESSORIES



PACKAGING INFORMATION

Standard Package: 500 pcs / box
Pallet Quantity: 20,000 pcs
Gross Weight / Box (M8): 2.4 kg (HDG)
Gross Weight / Box (M10): 3.0 kg (HDG)





HEX BOLT HB-M8 / M10

STRONG CONNECTION.
HIGH RELIABILITY.
BUILT TO LAST.

CASK Steel Hex Bolt is designed for secure and durable fastening in solar mounting systems and structural applications. Manufactured for strength, precision and long-term performance in all weather conditions.



APPLICATIONS

- Solar Panel Mounting
- Strut Channel Systems
- Structural Assemblies
- Cable Tray Support
- Electrical Installations
- HVAC & Mechanical

PRODUCT CODE
CST-HB

HIGH STRENGTH
High tensile strength for secure and reliable fastening

CORROSION RESISTANT
Hot-dip galvanized for long-term durability

EASY INSTALLATION
Standard hex head for quick and easy installation

PRECISE THREAD
Accurate threading ensures perfect fit and engagement

SUSTAINABLE SOLUTION
Recyclable steel for a greener future

TECHNICAL DRAWING (mm)

3D RENDER

SIZE	d (Thread)	P (Pitch)	k (Head Height)	s (Across Flats)
M8	8.0	1.25	5.3	13
M10	10.0	1.50	6.4	17

* Dimensions in millimeters (mm)

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Class 8.8)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Standard	DIN 934 / ISO 4017
Thread Type	Metric Coarse Thread
Head Type	Hex Head
Property Class	8.8
Surface Treatment	Hot-Dip Galvanized
Hardness	22 ~ 32 HRC
Compatible Nut	Hex Nut M8 / M10
Application	Solar Mounting, Strut Systems, Structural, Electrical, HVAC
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THREAD SIZE	TENSILE STRENGTH (kN)	SHEAR STRENGTH (kN)	RECOMMENDED TIGHTENING TORQUE (Nm)
M8	24.0	13.5	15 ~ 20
M10	38.0	21.5	30 ~ 40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COMPATIBLE NUTS

HEX NUT
M8 / M10

FLANGE NUT
M8 / M10

COMPATIBLE WASHERS

FLAT WASHER
M8 / M10

SPRING WASHER
M8 / M10

COATING OPTIONS

HOT-DIP GALVANIZED
(EN ISO 1461)

ZINC PLATED
(ON REQUEST)

- KEY FEATURES**
- High strength class 8.8 for superior performance
 - Precision threads for reliable engagement
 - Hex head for easy tightening with standard tools
 - Hot-dip galvanized for excellent corrosion resistance
 - Suitable for indoor and outdoor applications
 - Compatible with standard nuts and washers

INSTALLATION EXAMPLE

APPLICATION EXAMPLES

SOLAR PANEL MOUNTING

STRUT CHANNEL SYSTEMS

CABLE TRAY SUPPORT

ELECTRICAL INSTALLATIONS

HVAC & MECHANICAL

COMPATIBLE ACCESSORIES

T-BOLT
M8 / M10

CHANNEL NUT
M8 / M10

FLANGE NUT
M8 / M10

FLAT WASHER
M8 / M10

SPRING WASHER
M8 / M10

PACKAGING INFORMATION

Standard Package: 500 pcs / box
Pallet Quantity: 20,000 pcs
Gross Weight / Box (M8): 5.0 kg (HDG)
Gross Weight / Box (M10): 8.0 kg (HDG)

HEX BOLT
HB-M8 / M10



HEX NUT HN-M8 / M10

STRONG HOLD.
PRECISE THREAD.
TRUSTED PERFORMANCE.

CASK Steel Hex Nut is manufactured to provide secure fastening and long-term reliability in solar mounting systems and various structural applications. Designed for excellent thread engagement and vibration resistance.



APPLICATIONS

- Solar Panel Mounting
- Strut Channel Systems
- Structural Assemblies
- Cable Tray Support
- Electrical Installations
- HVAC & Mechanical

PRODUCT CODE
CST-HN

HIGH STRENGTH
High tensile strength for secure and reliable fastening

CORROSION RESISTANT
Hot-dip galvanized for long-term durability

PRECISE THREAD
Accurate threading ensures perfect fit and engagement

VERSATILE APPLICATION
Suitable for a wide range of bolted connections

SUSTAINABLE SOLUTION
Recyclable steel for a greener future

TECHNICAL DRAWING (mm)

3D RENDER

SIZE	d (Thread)	m (Height)	s (Across Flats)	e (Across Corners)
M8	8.0	6.5	13	15.0
M10	10.0	8.0	17	19.6

* Dimensions in millimeters (mm)

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Class 8)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Standard	DIN 934 / ISO 4032
Thread Type	Metric Coarse Thread
Property Class	8
Surface Treatment	Hot-Dip Galvanized
Hardness	22 ~ 32 HRC
Compatible Bolt	M8 / M10
Application	Solar Mounting, Strut Systems, Structural, Electrical, HVAC
Design Standard	EN 1993 / AISC 360
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THREAD SIZE	TENSILE STRENGTH (kN)	PROOF LOAD (kN)	RECOMMENDED TORQUE (Nm)
M8	24.0	12.0	15 ~ 20
M10	38.0	18.0	30 ~ 40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

COMPATIBLE BOLTS

HEX BOLT
M8

HEX BOLT
M10

COMPATIBLE WASHERS

FLAT WASHER
M8 / M10

SPRING WASHER
M8 / M10

COATING OPTION

HOT-DIP GALVANIZED
(EN ISO 1461)

Other coatings available upon request.

- KEY FEATURES**
- Manufactured to DIN 934 / ISO 4032 standard
 - High strength class 8 for reliable connections
 - Precise thread for optimum engagement
 - Hot-dip galvanized for superior corrosion resistance
 - Compatible with standard bolts and washers
 - Suitable for indoor and outdoor applications

INSTALLATION EXAMPLE

APPLICATION EXAMPLES

SOLAR PANEL MOUNTING

STRUT CHANNEL SYSTEMS

CABLE TRAY SUPPORT

ELECTRICAL INSTALLATIONS

HVAC & MECHANICAL

COMPATIBLE ACCESSORIES

HEX BOLT
M8 / M10

T-BOLT
M8 / M10

FLANGE NUT
M8 / M10

FLAT WASHER
M8 / M10

SPRING WASHER
M8 / M10

PACKAGING INFORMATION

Standard Package: 1,000 pcs / box
Pallet Quantity: 64,000 pcs
Gross Weight / Box (M8): 8.0 kg (HDG)
Gross Weight / Box (M10): 12.0 kg (HDG)

HEX NUT
HN-M8 / M10

DC C-41 PROFILE

ENGINEERED FOR STRENGTH.
DESIGNED FOR PERFORMANCE.
BUILT FOR SOLAR.

CASK Steel DC C-41 Profile is a high-performance strut channel engineered for solar mounting structures and a wide range of industrial applications. Its optimized design ensures superior load-bearing capacity, ease of installation and long-term durability in all environmental conditions.



PRODUCT CODE

CST-DC-41

KEY BENEFITS



High Load Capacity

Engineered for superior strength and stability.



Easy Installation

Compatible with standard fasteners and accessories.



Corrosion Resistant

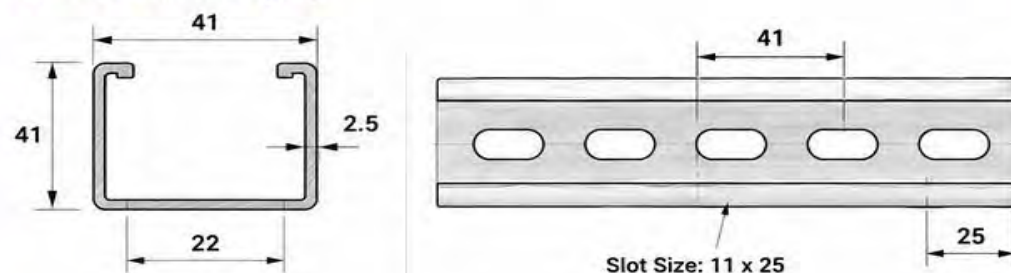
Hot-dip galvanized for excellent protection.



Versatile Application

Ideal for solar, electrical and structural systems.

TECHNICAL DRAWING (mm)



TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S250GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm (±0.15)
Section Height (H)	41 mm
Section Width (B)	41 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Standard Length	3.0 m / 6.0 m
Slot Type	Obround
Slot Size	11 x 25 mm
Slot Pitch	41 mm
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Strut Systems, Cable Tray Support, HVAC, Electrical
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	2.10
	1.5	0.95
	2.0	0.55
2.5	1.0	2.70
	1.5	1.25
	2.0	0.75

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

PROFILE FEATURES

- ✓ C-41 strut channel with inward lips for high strength.
- ✓ Obround slots for flexible and fast installation.
- ✓ Smooth edges for safe handling.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Suitable for indoor and outdoor environments.
- ✓ Compatible with CASK Steel accessories.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

Other thicknesses available upon request.

APPLICATIONS



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



ISO
9001:2015

ISO
14001:2015

ISO
45001:2018



www.casksteel.com



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DC C-41S PROFILE (SLOTTED)

**MAXIMUM STRENGTH.
FASTER INSTALLATION.
BUILT FOR SOLAR.**

CASK Steel DC C-41S Profile is a high-strength slotted strut channel engineered for solar mounting and structural applications. The pre-punched slots along the web allow fast and flexible installation, reducing on-site drilling and saving time and labor without compromising strength and safety.

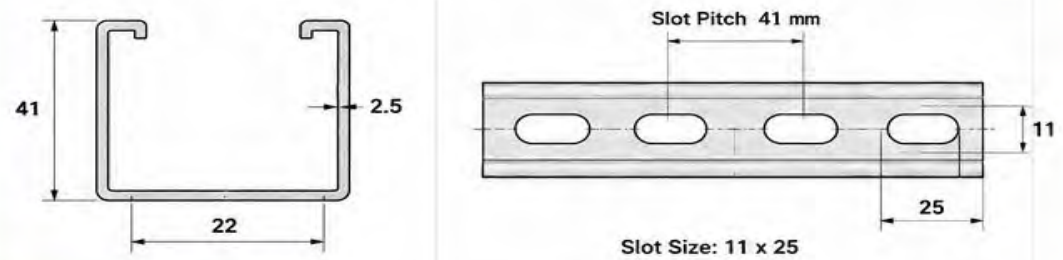


KEY BENEFITS

-  **High Load Capacity**
Engineered for superior strength and stability.
-  **Faster Installation**
Pre-punched slots reduce drilling and installation time.
-  **Corrosion Resistant**
Hot-dip galvanized for excellent protection in harsh environments.
-  **Versatile System**
Compatible with standard fittings, accessories and fasteners.
-  **Sustainable Choice**
Recyclable steel for a greener future.

PRODUCT CODE **CST-DC-41S**

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S250GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm (±0.15)
Section Height (H)	41 mm
Section Width (B)	41 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Strut Systems, Cable Tray Support, HVAC, Electrical
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	2.10
	1.5	0.95
	2.0	0.55
2.5	1.0	2.70
	1.5	1.25
	2.0	0.75

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

PROFILE FEATURES

- ✓ Pre-punched obround slots for fast and flexible installation.
- ✓ High load-bearing capacity for structural applications.
- ✓ Smooth edges for safe handling and assembly.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.
- ✓ Compatible with CASK Steel accessories and fittings.

AVAILABLE THICKNESSES



APPLICATIONS

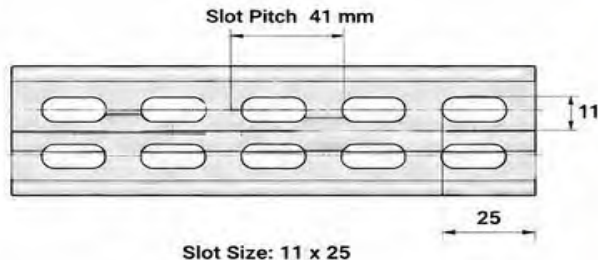
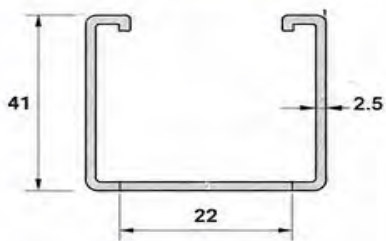


DC C-41D PROFILE (DOUBLE SLOTTED)

**MAXIMUM STRENGTH.
ENHANCED VERSATILITY.
BUILT FOR SOLAR.**

CASK Steel DC C-41D Profile is a heavy-duty double slotted strut channel engineered for solar mounting and structural applications. Slots on both sides provide greater flexibility for bracket positioning, faster assembly and optimized installation in any configuration.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Double slotted strut channel for maximum adaptability.
- ✓ High load-bearing capacity for structural applications.
- ✓ Obround slots ensure flexible and secure connections.
- ✓ Smooth edges for safe handling and assembly.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES



Other thicknesses available upon request.

APPLICATIONS



KEY BENEFITS



High Load Capacity
Engineered for superior strength and stability.



Double Slotted Design
Slots on both sides for maximum flexibility and connectivity.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Faster Installation
Multiple connection points reduce drilling and installation time.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-41D

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S250GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm (±0.15)
Section Height (H)	41 mm
Section Width (B)	41 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Slots	Double Slotted (Top & Bottom)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Strut Systems, Cable Tray Support, HVAC, Electrical
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	2.10
	1.5	0.95
	2.0	0.55
2.5	1.0	2.70
	1.5	1.25
	2.0	0.75

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

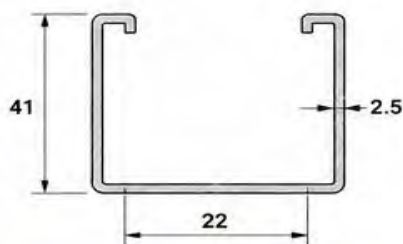


DC C-41R PROFILE (REINFORCED)

**BUILT STRONGER.
ENGINEERED TO PERFORM.
DESIGNED FOR SOLAR.**

CASK Steel DC C-41R Profile is a reinforced strut channel designed with return lips for superior strength and rigidity. Ideal for heavy-duty structural applications in solar mounting systems and industrial installations.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Reinforced return lips for higher load capacity.
- ✓ Obround slots for flexible and secure connections.
- ✓ Smooth edges for safe handling and installation.
- ✓ High strength and dimensional accuracy.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

Other thicknesses available upon request.

APPLICATIONS



KEY BENEFITS



High Load Capacity
Reinforced design for superior strength and stability.



Reinforced Structure
Return lips increase rigidity and resist deformation.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Easy Installation
Slotted holes for quick alignment and secure fastening.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-41R

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S250GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm (±0.15)
Section Height (H)	41 mm
Section Width (B)	22 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Strut Systems, Cable Tray Support, HVAC, Electrical
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (KN/m) (Uniformly Distributed)
2.0	1.0	2.60
	1.5	1.20
	2.0	0.70
2.5	1.0	3.40
	1.5	1.55
	2.0	0.90

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



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DC C-41H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH.
HEAVY LOADS. EXTREME RELIABILITY.
BUILT FOR SOLAR.**

CASK Steel DC C-41H Profile is a heavy duty strut channel with thicker material for the most demanding structural applications. Designed to deliver exceptional load-bearing capacity and long-term performance in harsh environments.



KEY BENEFITS



High Load Capacity
Extra heavy thickness for superior strength and maximum safety.



Heavy Duty Performance
Designed for the toughest industrial and structural applications.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Reliable & Durable
Long-lasting performance with consistent quality.

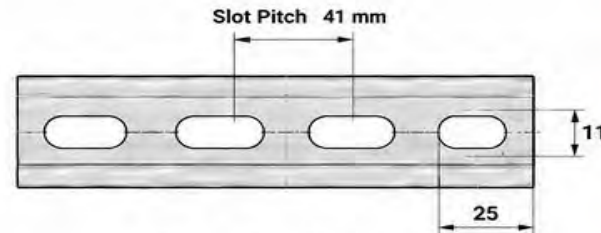
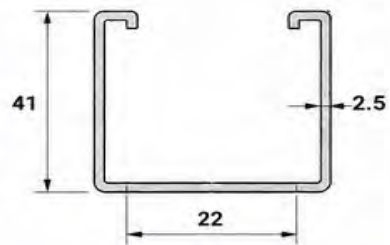


Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-41H

TECHNICAL DRAWING (mm)



Slot Size: 11 x 25 (Obround)

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ☑ Extra heavy thickness for maximum load capacity.
- ☑ Reinforced lips for higher strength and rigidity.
- ☑ Obround slots for flexible and secure connections.
- ☑ Smooth edges for safe handling and installation.
- ☑ Consistent dimensions and accurate tolerances.
- ☑ Hot-dip galvanized for long-lasting corrosion resistance.
- ☑ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

**2.5
mm**

**3.0
mm**

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.5 mm (±0.15)
Section Height (H)	41 mm
Section Width (B)	22 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Duty Structures, Cable Tray Support, HVAC, Industrial
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.5	1.0	3.40
	1.5	1.55
	2.0	0.90
3.0	1.0	4.40
	1.5	2.00
	2.0	1.15

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS



SOLAR PANEL MOUNTING



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



HVAC & INDUSTRIAL SUPPORT



DC C-82 PROFILE

HIGH CAPACITY. MAXIMUM PERFORMANCE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC C-82 Profile is a high capacity strut channel engineered for large span solar mounting systems and heavy duty applications. Its optimized section provides exceptional load-bearing performance, ease of installation and long-term durability in all environments.



KEY BENEFITS



High Load Capacity
Designed for high loads and large span applications.



Rigid & Reliable
Optimized geometry for superior strength and structural integrity.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Easy Installation
Obround slots for flexible alignment and faster installation.

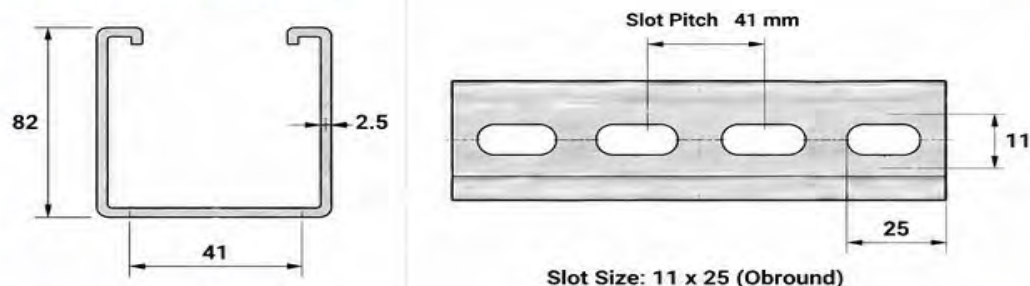


Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-82

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S250GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.5 mm / 3.0 mm (±0.15)
Section Height (H)	82 mm
Section Width (B)	41 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.5	1.0	4.40
	1.5	2.00
	2.0	1.15
3.0	1.0	5.80
	1.5	2.70
	2.0	1.50

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

PROFILE FEATURES

- ✓ High section for maximum strength and load capacity.
- ✓ Obround slots for flexible and precise installation.
- ✓ Reinforced lips for enhanced rigidity.
- ✓ Smooth edges for safe handling and assembly.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

2.5 mm

3.0 mm

Other thicknesses available upon request.

APPLICATIONS



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DC C-82H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH. EXTRA HEAVY LOADS.
BUILT FOR LARGE SCALE SOLAR PROJECTS.**

CASK Steel DC C-82H Profile is an extra heavy duty strut channel engineered for the most demanding solar and industrial applications. Its thicker section and optimized geometry deliver superior load-bearing capacity, enhanced rigidity and long-term reliability.

KEY BENEFITS



Ultra High Load Capacity
Extra heavy section for superior strength and safety.



Extreme Durability
High rigidity design for heavy duty structural performance.



Corrosion Resistant
Hot-dip galvanized for maximum protection in harsh environments.



Easy & Secure Installation
Obround slots allow flexible alignment and faster assembly.



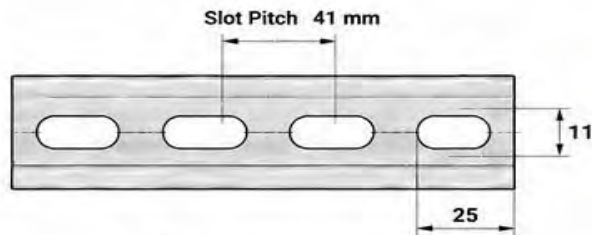
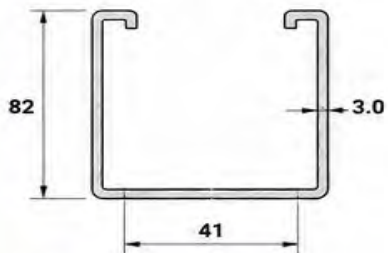
Sustainable Choice
Recyclable steel for a greener future.



PRODUCT CODE

CST-DC-82H

TECHNICAL DRAWING (mm)



Slot Size: 11 x 25 (Obround)

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Extra heavy section for the highest load capacity.
- ✓ Reinforced lips for maximum strength and rigidity.
- ✓ Obround slots for flexible and safe connections.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

3.0 mm

3.5 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	3.0 mm / 3.5 mm (±0.15)
Section Height (H)	82 mm
Section Width (B)	41 mm
Lip Height (C)	11 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
3.0	1.0	6.00
	1.5	2.85
	2.0	1.60
3.5	1.0	6.80
	1.5	3.25
	2.0	1.80

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS



DC C-100 PROFILE

**MAXIMUM CAPACITY. MAXIMUM RELIABILITY.
DESIGNED FOR MEGA SOLAR PROJECTS.**

CASK Steel DC C-100 Profile is a high capacity strut channel engineered for large scale solar and industrial applications where maximum strength and structural integrity are essential. Its optimized section and superior material quality ensure excellent load-bearing performance, long-term durability and safety in all environmental conditions.



KEY BENEFITS



Very High Load Capacity
Engineered for the highest loads and large span applications.



Superior Strength & Rigidity
Optimized geometry for maximum strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Obround slots allow flexible alignment and faster assembly.

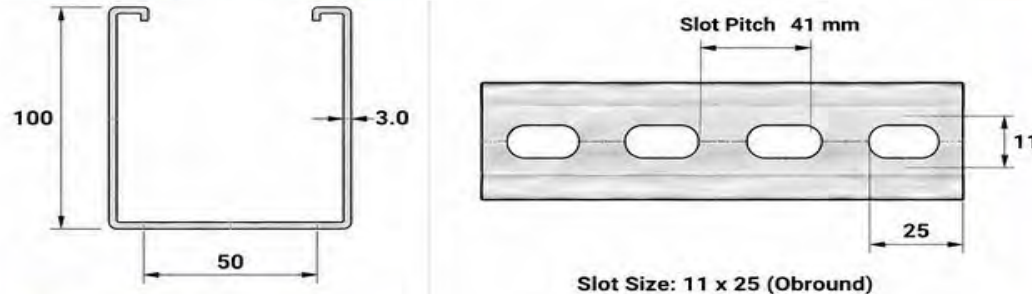


Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-100

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Extra high section for superior load-bearing capacity.
- ✓ Obround slots for flexible and precise connections.
- ✓ Optimized geometry for high strength and stability.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

3.0 mm

3.5 mm

4.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	3.0 mm / 3.5 mm / 4.0 mm (±0.15)
Section Height (H)	100 mm
Section Width (B)	50 mm
Lip Height (C)	12 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
3.0	1.0	7.50
	1.5	3.55
	2.0	2.00
3.5	1.0	9.20
	1.5	4.35
	2.0	2.45
4.0	1.0	11.10
	1.5	5.25
	2.0	2.95

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS



SOLAR PANEL MOUNTING



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT



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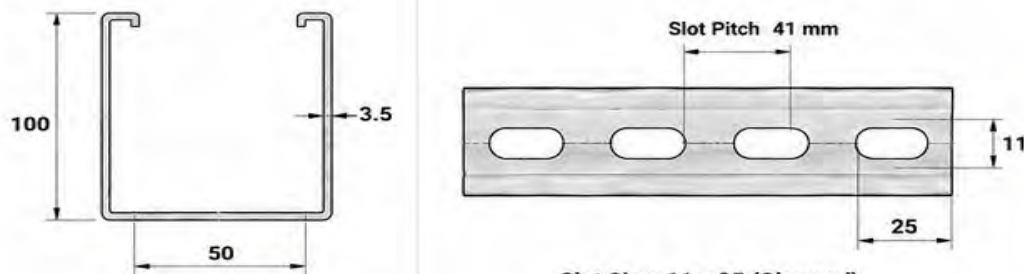


DC C-100H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH. EXTRA HEAVY LOADS.
BUILT FOR MEGA SOLAR STRUCTURES.**

CASK Steel DC C-100H Profile is an extra heavy duty strut channel designed for the most demanding solar and industrial applications. Its increased thickness and optimized section deliver outstanding load-bearing capacity, superior rigidity and long-term reliability even in the harshest environment.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Extra heavy section for maximum load-bearing capacity.
- ✓ Oround slots for flexible and precise connections.
- ✓ Optimized geometry for highest strength and rigidity.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

3.5 mm

4.0 mm

4.5 mm

Other thicknesses available upon request.

APPLICATIONS



KEY BENEFITS



Ultra High Load Capacity
Engineered for the highest loads and large span applications.



Extreme Strength & Rigidity
Extra heavy section for maximum strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Oround slots allow flexible alignment and faster assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-100H

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	3.5 mm / 4.0 mm / 4.5 mm (±0.15)
Section Height (H)	100 mm
Section Width (B)	50 mm
Lip Height (C)	12 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Oround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
3.5	1.0	11.40
	1.5	5.40
	2.0	3.05
4.0	1.0	13.90
	1.5	6.55
	2.0	3.70
4.5	1.0	16.20
	1.5	7.65
	2.0	4.30

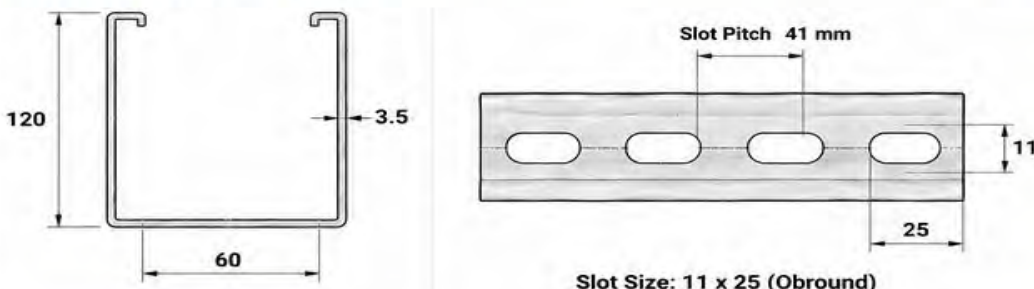
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC C-120 PROFILE

MAXIMUM CAPACITY. ULTIMATE RELIABILITY.
ENGINEERED FOR MEGA PROJECTS.

CASK Steel DC C-120 Profile is a high capacity strut channel designed for large scale solar and industrial applications that require superior strength, high load-bearing capacity and long-term durability in the most demanding environments.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Extra heavy section for maximum load-bearing capacity.
- ✓ Obround slots for flexible and precise connections.
- ✓ Optimized geometry for highest strength and rigidity.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES



Other thicknesses available upon request.

APPLICATIONS



SOLAR PANEL MOUNTING



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT

KEY BENEFITS

-  **Ultimate Load Capacity**
Engineered for the highest loads and mega scale applications.
-  **Superior Strength & Rigidity**
Extra heavy section for maximum strength and structural stability.
-  **Corrosion Resistant**
Hot-dip galvanized for excellent protection in harsh environments.
-  **Fast & Secure Installation**
Obround slots allow flexible alignment and faster assembly.
-  **Sustainable Choice**
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-120

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	3.5 mm / 4.0 mm / 4.5 mm (±0.15)
Section Height (H)	120 mm
Section Width (B)	60 mm
Lip Height (C)	12 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (KN/m) (Uniformly Distributed)
3.5	1.0	13.80
	1.5	6.60
	2.0	3.75
4.0	1.0	16.80
	1.5	8.05
	2.0	4.60
4.5	1.0	19.80
	1.5	9.60
	2.0	5.45

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

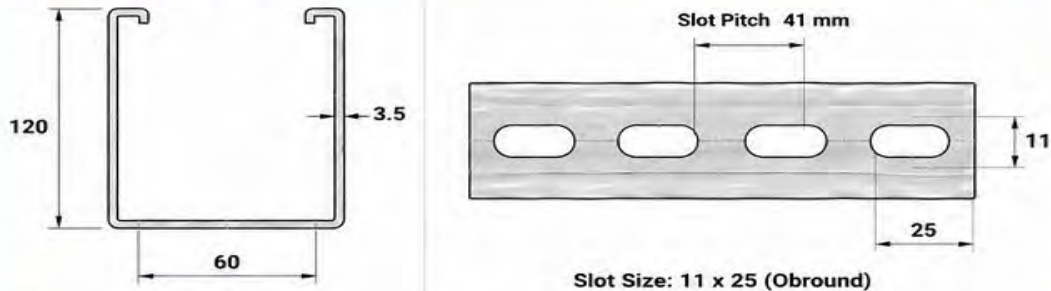


DC C-120H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH. ULTIMATE RELIABILITY.
BUILT FOR MEGA SOLAR PROJECTS.**

CASK Steel DC C-120H Profile is a heavy duty structural channel engineered for the most demanding solar and industrial applications. Its reinforced section delivers exceptional load-bearing capacity, superior rigidity and long-term durability in the harshest environments.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Extra heavy section for maximum load-bearing capacity.
- ✓ Reinforced lips for flexible and precise connections.
- ✓ Optimized geometry for high strength and rigidity.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

3.5 mm

4.0 mm

4.5 mm

Other thicknesses available upon request.

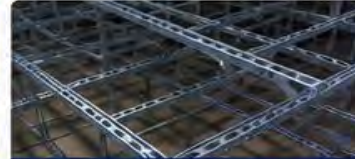
TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	3.5 mm / 4.0 mm / 4.5 mm (±0.15)
Section Height (H)	120 mm
Section Width (B)	60 mm
Lip Height (C)	12 mm
Lip Thickness	2.5 mm
Slot Size	11 x 25 mm (Obround)
Slot Pitch	41 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT

KEY BENEFITS



Ultimate Load Capacity
Engineered for the highest loads and large span applications.



Superior Strength & Rigidity
Reinforced design for maximum structural stability and safety.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Wide slot pattern for flexible, fast alignment and secure assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-120H

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
3.5	1.0	16.20
	1.5	7.20
	2.0	4.50
4.0	1.0	21.50
	1.5	9.60
	2.0	6.10
4.5	1.0	27.70
	1.5	12.40
	2.0	7.80

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



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DC C-150 PROFILE

MAXIMUM CAPACITY. ULTIMATE RELIABILITY.
ENGINEERED FOR MEGA SOLAR PROJECTS.

CASK Steel DC C-150 Profile is a high-capacity strut channel engineered for large scale solar and industrial applications that demand superior strength, high load-bearing capacity and long-term durability. Its optimized design ensures exceptional performance and safety in the most challenging environments.



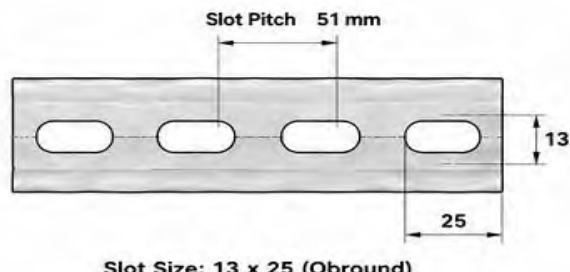
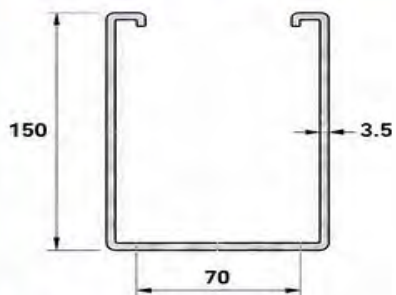
KEY BENEFITS

-  **Ultimate Load Capacity**
Engineered for the highest loads and mega scale applications.
-  **Superior Strength & Rigidity**
Extra heavy section for maximum strength and structural stability.
-  **Corrosion Resistant**
Hot-dip galvanized for excellent protection in harsh environments.
-  **Fast & Secure Installation**
Obround slots allow flexible alignment and faster assembly.
-  **Sustainable Choice**
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-150

TECHNICAL DRAWING (mm)



Slot Size: 13 x 25 (Obround)

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- High capacity section for ultimate load-bearing.
- Reinforced lips for superior strength and rigidity.
- Optimized geometry for high strength and stability.
- Smooth edges for safe handling and installation.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting corrosion resistance.
- Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

3.5 mm

4.0 mm

4.5 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	3.5 mm / 4.0 mm / 4.5 mm (±0.15)
Section Height (H)	150 mm
Section Width (B)	70 mm
Lip Height (C)	12 mm
Lip Thickness	2.5 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
3.5	1.0	20.50
	1.5	10.10
	2.0	5.70
4.0	1.0	27.00
	1.5	13.30
	2.0	7.50
4.5	1.0	33.80
	1.5	16.50
	2.0	9.30

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS

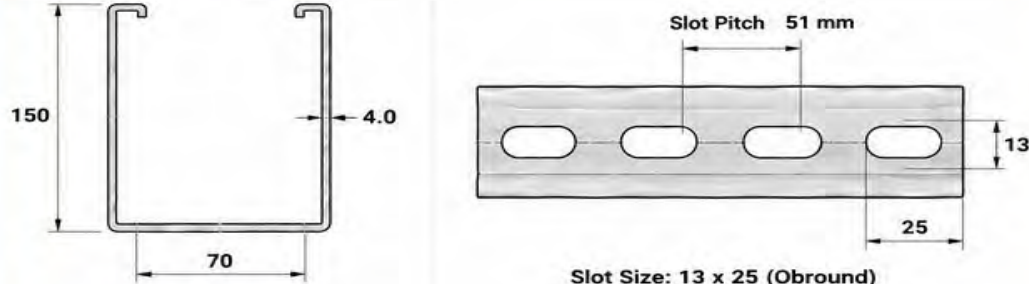


DC C-150H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH. ULTIMATE RELIABILITY.
BUILT FOR MEGA SOLAR PROJECTS.**

CASK Steel DC C-150H Profile is an extra heavy duty strut channel designed for the most demanding solar and industrial applications. Its reinforced geometry delivers superior load-bearing capacity, outstanding rigidity and long-term durability even in the harshest environmental conditions.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Extra heavy section for maximum load-bearing capacity.
- ✓ Reinforced lips for superior strength and rigidity.
- ✓ Optimized geometry for high strength and stability.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

4.5 mm

5.0 mm

6.0 mm

Other thicknesses available
upon request.

APPLICATIONS



KEY BENEFITS



Ultimate Load Capacity
Engineered for the highest loads and mega scale applications.



Superior Strength & Rigidity
Extra heavy section for maximum strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Obround slots allow flexible alignment and faster assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-150H

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	4.5 mm / 5.0 mm / 6.0 mm (±0.15)
Section Height (H)	150 mm
Section Width (B)	70 mm
Lip Height (C)	12 mm
Lip Thickness	3.0 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
4.5	1.0	31.20
	1.5	15.60
	2.0	8.80
5.0	1.0	38.50
	1.5	19.30
	2.0	10.80
6.0	1.0	48.30
	1.5	24.10
	2.0	13.50

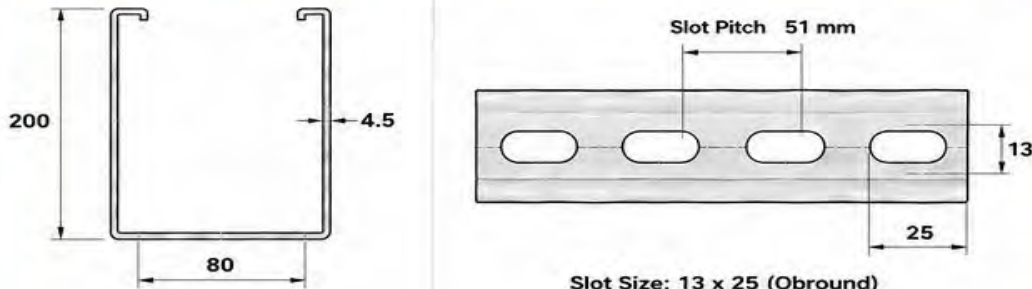
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC C-200 PROFILE

MAXIMUM CAPACITY. ULTIMATE RELIABILITY.
ENGINEERED FOR MEGA SOLAR PROJECTS.

CASK Steel DC C-200 Profile is a high-capacity strut channel engineered for the most demanding solar and industrial applications. Its extra deep section and reinforced geometry deliver superior load-bearing capacity, outstanding rigidity and long-term performance in extreme environments.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Extra deep section for ultimate load-bearing capacity.
- Reinforced lips for superior strength and rigidity.
- Optimized geometry for high strength and stability.
- Smooth edges for safe handling and installation.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting corrosion resistance.
- Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

4.5 mm

5.0 mm

6.0 mm

Other thicknesses available
upon request.

APPLICATIONS



KEY BENEFITS



Ultimate Load Capacity
Engineered for the highest loads and mega scale applications.



Superior Strength & Rigidity
Extra deep section for maximum strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Obround slots allow flexible alignment and faster assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-200

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	4.5 mm / 5.0 mm / 6.0 mm (±0.15)
Section Height (H)	200 mm
Section Width (B)	80 mm
Lip Height (C)	14 mm
Lip Thickness	3.0 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
4.5	1.0	42.60
	1.5	21.30
	2.0	11.90
5.0	1.0	50.80
	1.5	25.40
	2.0	14.20
6.0	1.0	63.70
	1.5	31.80
	2.0	17.80

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

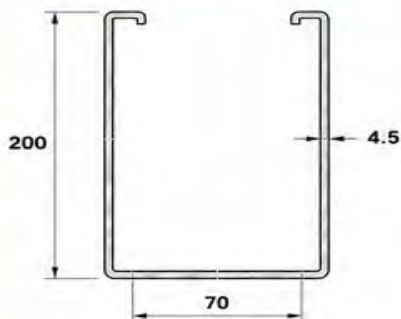


DC C-200 PROFILE

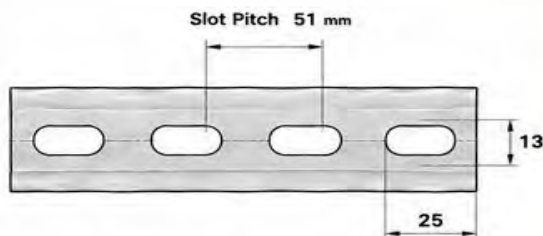
**MAXIMUM CAPACITY. ULTIMATE RELIABILITY.
ENGINEERED FOR MEGA SOLAR PROJECTS.**

CASK Steel DC C-200 Profile is a heavy-duty, high-capacity strut channel engineered for large scale solar and industrial applications. Its optimized geometry delivers exceptional load-bearing capacity, outstanding rigidity and long-term durability even in the harshest environmental conditions.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)



Slot Size: 13 x 25 (Obround)

PROFILE FEATURES

- ✓ Extra heavy section for maximum load-bearing capacity.
- ✓ Reinforced lips for superior strength and rigidity.
- ✓ Optimized geometry for high strength and stability.
- ✓ Smooth edges for safe handling and installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting corrosion resistance.
- ✓ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

4.5 mm

5.0 mm

6.0 mm

Other thicknesses available upon request.

APPLICATIONS



SOLAR PANEL MOUNTING



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT

KEY BENEFITS



Ultimate Load Capacity
Engineered for the highest loads and mega scale applications.



Superior Strength & Rigidity
Extra heavy section for maximum strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Obround slots allow flexible alignment and faster assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-200

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	4.5 mm / 5.0 mm / 6.0 mm (±0.15)
Section Height (H)	200 mm
Section Width (B)	70 mm
Lip Height (C)	15 mm
Lip Thickness	3.0 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
4.5	1.0	37.80
	1.5	18.90
	2.0	10.60
5.0	1.0	47.00
	1.5	23.50
	2.0	13.20
6.0	1.0	59.20
	1.5	29.60
	2.0	16.60

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



9001:2015



14001:2015



45001:2018



www.casksteel.com



info@cask-industries.com

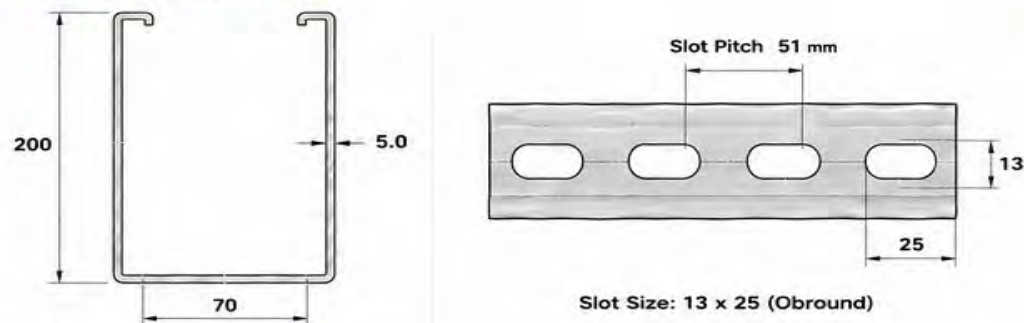


DC C-200H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH. ULTIMATE RELIABILITY.
BUILT FOR THE TOUGHEST SOLAR PROJECTS.**

CASK Steel DC C-200H Profile is an extra heavy duty, high-capacity strut channel engineered for mega scale solar and industrial applications. Its reinforced geometry and increased section thickness deliver exceptional load-bearing capacity, superior structural integrity and long-term durability in extreme environmental conditions.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ☑ Extra heavy section for maximum load-bearing capacity.
- ☑ Reinforced lips for superior strength and rigidity.
- ☑ Optimized geometry for high strength and stability.
- ☑ Smooth edges for safe handling and installation.
- ☑ Consistent dimensions and accurate tolerances.
- ☑ Hot-dip galvanized for long-lasting corrosion resistance.
- ☑ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

5.0
mm

6.0
mm

7.0
mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	5.0 mm / 6.0 mm / 7.0 mm (±0.15)
Section Height (H)	200 mm
Section Width (B)	70 mm
Lip Height (C)	15 mm
Lip Thickness	3.5 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

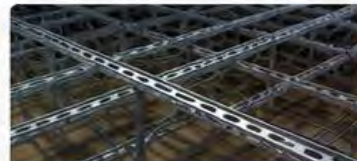
THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
5.0	1.0	53.60
	1.5	26.80
	2.0	15.10
6.0	1.0	64.70
	1.5	32.30
	2.0	18.20
7.0	1.0	75.80
	1.5	37.90
	2.0	21.40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

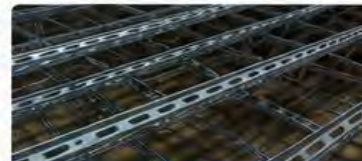
APPLICATIONS



SOLAR PANEL MOUNTING



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT

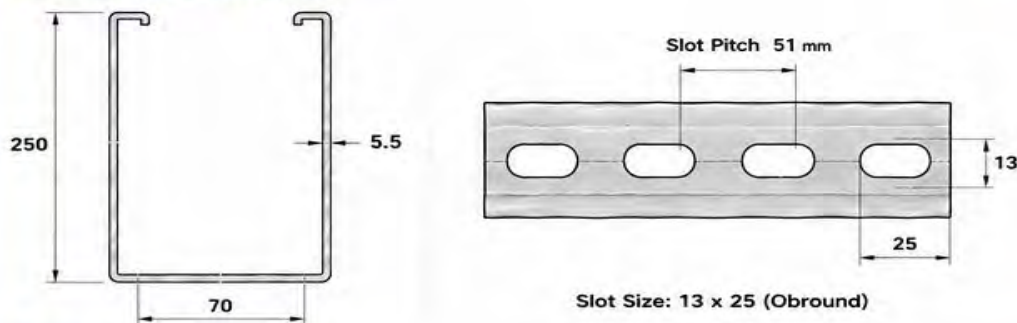


DC C-250 PROFILE

MAXIMUM CAPACITY. BUILT FOR
LARGE SCALE SOLAR STRUCTURES.

CASK Steel DC C-250 Profile is a heavy-duty, high-capacity strut channel engineered for utility-scale solar and industrial applications. Its optimized geometry delivers exceptional load-bearing capacity, excellent structural rigidity and long-term durability even in the harshest environmental conditions.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ☑ Extra heavy section for maximum load-bearing capacity.
- ☑ Reinforced lips for superior strength and rigidity.
- ☑ Optimized geometry for high strength and stability.
- ☑ Smooth edges for safe handling and installation.
- ☑ Consistent dimensions and accurate tolerances.
- ☑ Hot-dip galvanized for long-lasting corrosion resistance.
- ☑ Suitable for indoor and outdoor environments.

AVAILABLE THICKNESSES

5.0
mm

6.0
mm

7.0
mm

Other thicknesses available
upon request.

APPLICATIONS



UTILITY SCALE SOLAR PROJECTS



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT

KEY BENEFITS



Ultimate Load Capacity
Engineered for the highest loads and mega scale solar projects.



Superior Strength & Rigidity
Extra heavy section for maximum strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Obround slots allow flexible alignment and faster assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-250

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	5.0 mm / 6.0 mm / 7.0 mm (±0.15)
Section Height (H)	250 mm
Section Width (B)	70 mm
Lip Height (C)	15 mm
Lip Thickness	3.5 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Solar Mounting, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
5.0	1.0	63.40
	1.5	37.70
	2.0	17.80
6.0	1.0	76.80
	1.5	38.40
	2.0	21.60
7.0	1.0	90.20
	1.5	45.10
	2.0	25.30

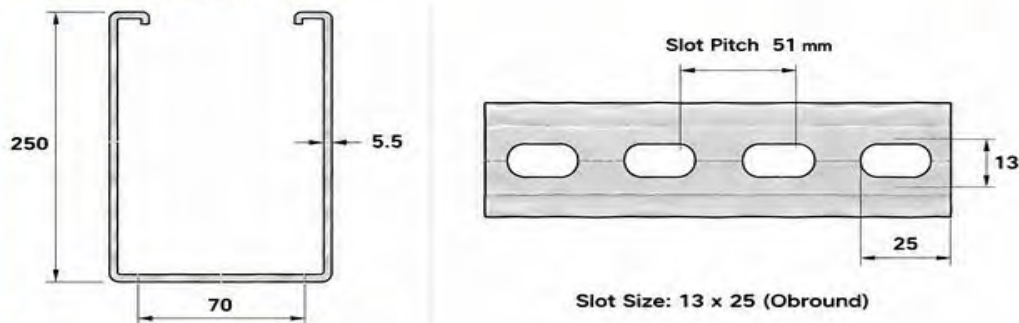
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC C-250H PROFILE (HEAVY DUTY)

**MAXIMUM STRENGTH. ULTIMATE RELIABILITY.
ENGINEERED FOR THE TOUGHEST CONDITIONS.**

CASK Steel DC C-250H Profile is an extra heavy duty strut channel designed for mega scale solar and industrial projects. Its reinforced section and increased thickness ensure superior load-bearing capacity, exceptional rigidity and long-term durability in extreme environments.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Extra heavy section for maximum load-bearing capacity.
- Reinforced lips for superior strength and rigidity.
- Optimized geometry for high strength and stability.
- Smooth edges for safe handling and installation.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting corrosion resistance.
- Suitable for extreme environmental conditions.

AVAILABLE THICKNESSES

6.0 mm

7.0 mm

8.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	6.0 mm / 7.0 mm / 8.0 mm (±0.15)
Section Height (H)	250 mm
Section Width (B)	70 mm
Lip Height (C)	15 mm
Lip Thickness	4.0 mm
Slot Size	13 x 25 mm (Obround)
Slot Pitch	51 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 10219 / EN 10162
Application	Utility Scale Solar Projects, Heavy Structures, Strut Systems, Industrial Supports
Warranty	10 Years

APPLICATIONS



UTILITY SCALE SOLAR PROJECTS



HEAVY DUTY STRUCTURES



CABLE TRAY SUPPORT



INDUSTRIAL & PLANT SUPPORT

KEY BENEFITS



Ultimate Load Capacity
Engineered for the highest loads in mega scale solar projects.



Superior Strength & Rigidity
Extra heavy section and reinforced lips for maximum strength and stability.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Secure Installation
Obround slots allow flexible alignment and faster assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-250H

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
6.0	1.0	71.30
	1.5	35.70
	2.0	20.00
7.0	1.0	94.70
	1.5	47.40
	2.0	26.60
8.0	1.0	119.30
	1.5	59.60
	2.0	33.40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC SIGMA (Σ) PROFILE

OPTIMIZED STRENGTH. SUPERIOR EFFICIENCY.
ENGINEERED FOR SMART SOLAR STRUCTURES.

CASK Steel DC Sigma (Σ) Profile is a high-efficiency structural sigma section designed for solar mounting systems. Its advanced geometry provides outstanding load-bearing capacity with reduced material usage, enabling faster installation, lower total weight and long-term reliability.



KEY BENEFITS



High Load Capacity
Sigma geometry offers excellent strength with optimized material use.



Superior Rigidity
Enhanced structural performance under high wind and snow loads.



Corrosion Resistant
Hot-dip galvanized for excellent protection in harsh environments.



Fast & Easy Installation
Slotted holes for flexible alignment and quick assembly.

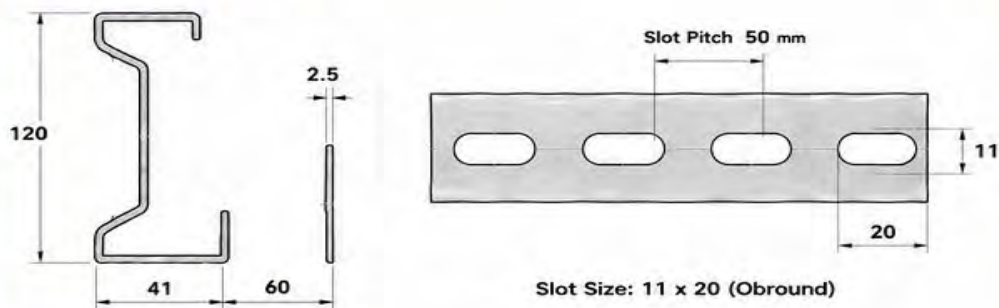


Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-SIGMA

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- High strength-to-weight ratio.
- Optimized sigma shape for maximum efficiency.
- Reduced material usage with higher performance.
- Easy alignment with slotted holes.
- consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Suitable for large scale solar projects.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S350GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Section Height (H)	120 mm
Top Flange (A)	41 mm
Bottom Flange (B)	41 mm
Web (C)	60 mm
Lip (D)	15 mm
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 1999-1-4
Application	Solar Mounting, Purlins, Rails, Strut Systems, Industrial Supports

Warranty

10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	22.60
	1.5	14.80
	2.0	8.60
2.5	1.0	28.30
	1.5	18.60
	2.0	10.80
3.0	1.0	33.90
	1.5	22.40
	2.0	13.00

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAIL SYSTEMS



STRUT SUPPORT SYSTEMS



INDUSTRIAL APPLICATIONS



DC HAT PROFILE

**SMART DESIGN. HIGH PERFORMANCE.
MAXIMUM VALUE.**

CASK Steel DC Hat Profile is a cost-effective and high-performance solution for solar mounting and light structural applications. Its optimized hat-shaped geometry ensures excellent strength-to-weight ratio, easy handling and fast installation.



KEY BENEFITS



Cost Effective Solution
Optimized design reduces material usage and overall project cost.



High Strength-to-Weight Ratio
Provides excellent load-bearing capacity with lower weight.



Corrosion Resistant
Hot-dip galvanized for superior protection and long service life.



Fast & Easy Installation
Lightweight and easy to cut, drill and handle on site.

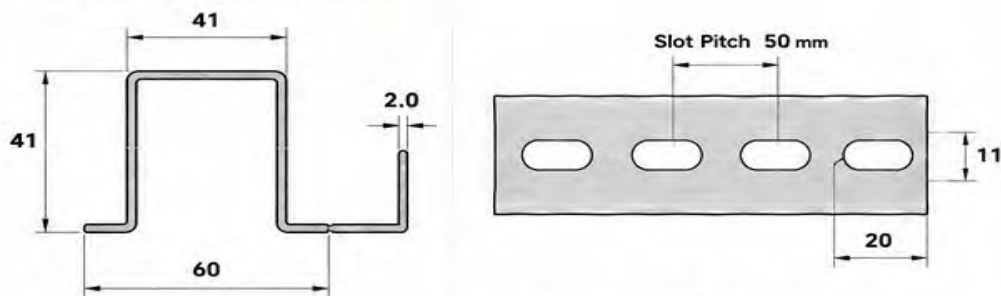


Sustainable Choice
Recyclable steel for a greener construction.

PRODUCT CODE

CST-DC-HAT

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ⊙ Excellent strength-to-weight ratio.
- ⊙ Cost effective with optimized material usage.
- ⊙ Easy handling, cutting and drilling.
- ⊙ Consistent dimensions and accurate tolerances.
- ⊙ Hot-dip galvanized for long-lasting protection.
- ⊙ Suitable for a wide range of solar applications.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Top Flange (A)	41 mm
Bottom Flange (B)	60 mm
Web (C)	41 mm
Lip (D)	15 mm
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Light Structures, Support Systems
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	21.20
	1.5	14.10
	2.0	8.20
2.5	1.0	26.90
	1.5	17.90
	2.0	10.30
3.0	1.0	32.60
	1.5	21.70
	2.0	12.40

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

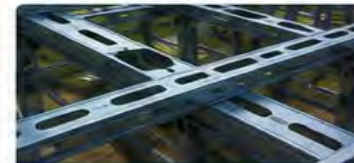
APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



LIGHT STRUCTURES



SUPPORT SYSTEMS



DC Z PROFILE

**SUPERIOR STRENGTH. MAXIMUM FLEXIBILITY.
ENGINEERED FOR MODERN SOLAR STRUCTURES.**

CASK Steel DC Z Profile is designed to provide high load-bearing capacity with excellent bending resistance. Its Z-shaped geometry offers outstanding strength and flexibility for various solar mounting and structural applications.



KEY BENEFITS



High Load Capacity
Engineered to withstand high wind and snow loads.



Excellent Strength & Rigidity
Z-shape design provides superior bending strength and stability.



Corrosion Resistant
Hot-dip galvanized for maximum protection and long service life.



Fast & Easy Installation
Pre-punched obround slots for quick and accurate installation.

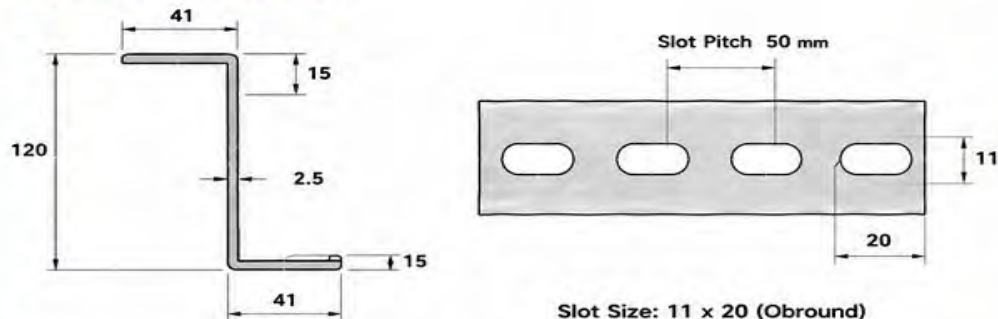


Sustainable Choice
Recyclable steel for a greener construction.

PRODUCT CODE

CST-DC-Z

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ High strength-to-weight ratio.
- ✓ Optimized Z-shape for enhanced performance.
- ✓ Pre-punched slots for quick installation.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting protection.
- ✓ Suitable for a wide range of solar and structural applications.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	120 mm
Top Flange (A)	41 mm
Bottom Flange (B)	41 mm
Web (C)	41 mm
Lip (D)	15 mm
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	20.60
	1.5	13.70
	2.0	7.90
2.5	1.0	26.50
	1.5	17.60
	2.0	10.10
3.0	1.0	32.10
	1.5	21.30
	2.0	12.30

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

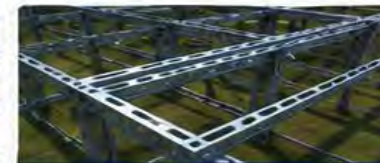
APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



9001:2015



14001:2015



45001:2018



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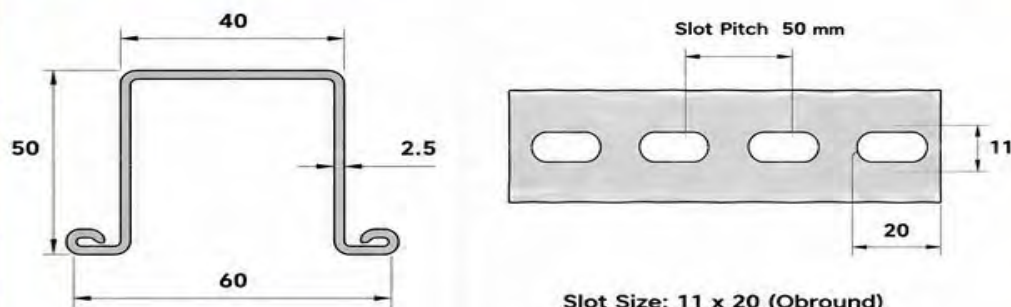


DC Ω (OMEGA) PROFILE

**OPTIMIZED DESIGN. EXCEPTIONAL STRENGTH.
MAXIMUM RELIABILITY.**

CASK Steel DC Ω (Omega) Profile is engineered for high load capacity and superior structural performance in solar mounting systems. Its omega shape provides excellent rigidity, ensures secure fastening and delivers outstanding resistance to bending and torsion.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Omega shape for superior strength and rigidity.
- ✓ High load-bearing capacity with low weight.
- ✓ Pre-punched obround slots for easy alignment.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting protection.
- ✓ Ideal for solar and structural applications.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	50 mm
Top Width (A)	40 mm
Bottom Width (B)	60 mm
Web (C)	50 mm
Lip (D)	15 mm
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Omega geometry ensures superior load-bearing performance.



High Strength & Rigidity
Excellent resistance to bending, torsion and deformation.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Fast & Easy Installation
Obround slots allow flexible alignment and quick assembly.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-OMEGA

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
2.0	1.0	21.90
	1.5	14.40
	2.0	8.40
2.5	1.0	28.30
	1.5	18.60
	2.0	10.80
3.0	1.0	34.70
	1.5	22.80
	2.0	13.20

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



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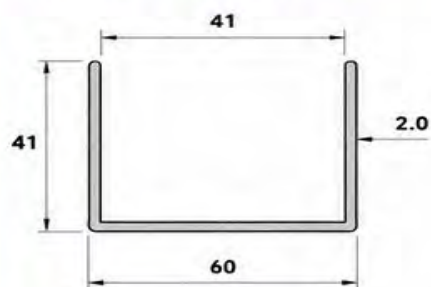


DC U PROFILE

VERSATILE. RELIABLE. ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC U Profile is a versatile channel section designed for a wide range of solar mounting and structural applications. Its simple U-shape ensures easy installation, high strength and excellent compatibility with standard accessories.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

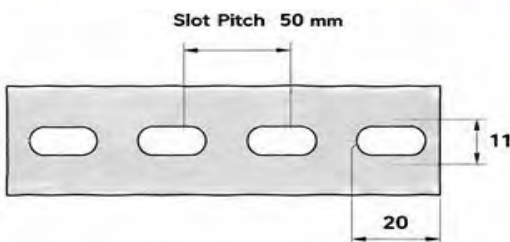
PROFILE FEATURES

- Simple U-shape for versatile applications.
- High load-bearing capacity with low weight.
- Optimized geometry for easy alignment.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Suitable for a wide range of solar structures.

AVAILABLE THICKNESSES



Other thicknesses available upon request.



Slot Size: 11 x 20 (Oround)

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Top Width (A)	41 mm
Bottom Width (B)	60 mm
Web (C)	41 mm
Lip (D)	15 mm
Slot Size	11 x 20 mm (Oround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Optimized section for excellent load-bearing performance.



High Strength & Stability
Provides outstanding rigidity and structural stability.



Corrosion Resistant
Hot-dip galvanized for maximum protection and long service life.



Fast & Easy Installation
Lightweight and easy to cut, drill and handle on site.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-U

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (KN/m) (Uniformly Distributed)
1.5	1.0	13.80
	1.5	9.10
	2.0	5.30
2.0	1.0	18.80
	1.5	12.40
	2.0	7.20
2.5	1.0	23.60
	1.5	15.60
	2.0	9.10
3.0	1.0	28.10
	2.0	10.80

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

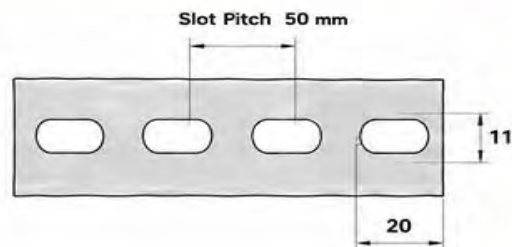
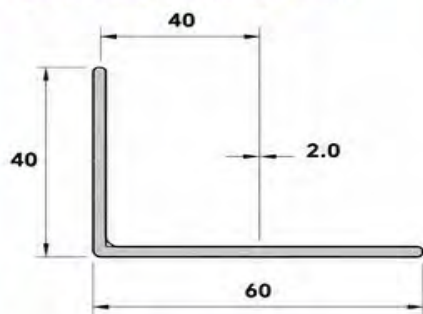


DC L PROFILE

STRONG. SIMPLE. RELIABLE.
ENGINEERED FOR SOLAR EXCELLENCE.

CASK Steel DC L Profile offers a simple yet strong angle section for solar mounting systems and structural applications. Its L-shaped geometry provides excellent strength, easy installation and a cost-effective solution for a wide range of projects.

TECHNICAL DRAWING (mm)



Slot Size: 11 x 20 (Obround)

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ☑ L-shape design for versatile applications.
- ☑ High strength with low material usage.
- ☑ Easy to cut, drill and install.
- ☑ Consistent dimensions and accurate tolerances.
- ☑ Hot-dip galvanized for long-lasting protection.
- ☑ Suitable for solar and structural applications.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Leg Height (H)	40 mm
Leg Width (B)	60 mm
Thickness (t)	2.0 mm (as standard)
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
1.5	1.0	11.60
	1.5	7.50
	2.0	4.30
2.0	1.0	15.60
	1.5	10.00
	2.0	5.80
2.5	1.0	19.60
	1.5	12.60
	2.0	7.30
3.0	1.0	23.60
	1.5	15.20
	2.0	8.80

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Robust angle design for excellent load-bearing performance.



High Strength & Durability
Provides outstanding strength and long service life.



Corrosion Resistant
Hot-dip galvanized for superior protection in harsh environments.



Fast & Easy Installation
Simple angle for quick cutting, drilling and installation.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-L



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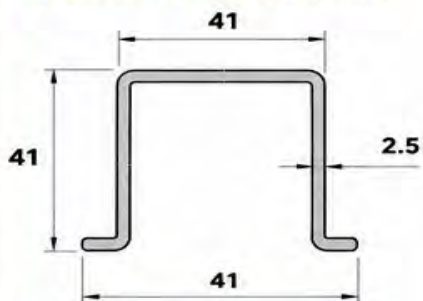


DC C PROFILE

VERSATILE. STRONG. ECONOMICAL.
IDEAL FOR SOLAR STRUCTURES.

CASK Steel DC C Profile is a cost-effective and versatile channel section, engineered for reliable performance in solar mounting systems and general structural applications. Its C-shape geometry provides excellent strength, easy installation and long-lasting durability.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Simple, economical and reliable design.
- High load-bearing capacity with low weight.
- Pre-punched slots for fast installation.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Suitable for a wide range of solar and structural applications.

AVAILABLE THICKNESSES

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available upon request.



TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Width (W)	41 mm
Lip (A)	11 mm
Web (C)	41 mm
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Optimized section for excellent load-bearing performance.



High Strength & Durability
Provides outstanding rigidity and long service life.



Corrosion Resistant
Hot-dip galvanized for superior protection and long service life.



Fast & Easy Installation
Lightweight and easy to cut, drill and handle on site.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-C

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kn/m) (Uniformly Distributed)
2.0	1.0	21.20
	1.5	14.10
	2.0	8.20
2.5	1.0	26.90
	1.5	17.90
	2.0	10.30
3.0	1.0	32.60
	1.5	21.70
	2.0	12.40

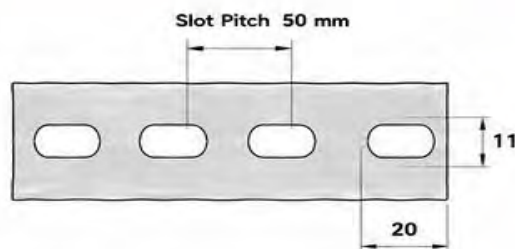
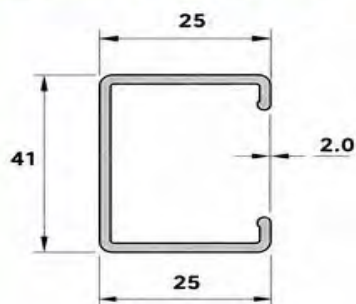
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC CEE PROFILE

**OPTIMIZED STRENGTH. FLEXIBLE SOLUTIONS.
DESIGNED FOR SOLAR EXCELLENCE.**

CASK Steel DC Cee Profile offers excellent load-bearing capacity with a compact and efficient C-shaped design. Pre-punched slots ensure quick installation and maximum adjustability for solar mounting systems and structural applications.

TECHNICAL DRAWING (mm)



Slot Size: 11 x 20 (Oround)

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Cee shape for high strength and efficiency.
- ✓ High load-bearing capacity with low weight.
- ✓ Pre-punched slots for easy installation and adjustability.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting protection.
- ✓ Ideal for solar and structural applications.

AVAILABLE THICKNESSES



Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Top Flange (A)	25 mm
Bottom Flange (A)	25 mm
Thickness (t)	2.0 mm (as standard)
Web (C)	41 mm
Slot Size	11 x 20 mm (Oround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
1.5	1.0	11.40
	1.5	7.60
	2.0	4.60
2.0	1.0	15.20
	1.5	10.10
	2.0	6.10
2.5	1.0	19.00
	1.5	12.60
	2.0	7.60
3.0	1.0	22.80
	1.5	15.20
	2.0	9.10

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

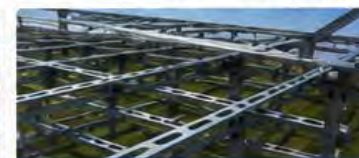
APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Cee shape provides superior strength and excellent load-bearing performance.



High Strength & Stability
Ensures rigidity and stability under heavy loads.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Fast & Easy Installation
Pre-punched slots for quick alignment and secure fastening.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-CEE



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DC FC PROFILE

STRONG. FLEXIBLE. BUILT FOR SOLAR STRUCTURES.

CASK Steel DC FC Profile is a versatile furring channel engineered for solar mounting and structural applications. Its 'furring channel' design provides high strength with low weight, enabling easy installation, excellent compatibility and long service life.



KEY BENEFITS



High Load Capacity
Furring channel design ensures excellent load-bearing performance.



High Strength & Stability
Provides outstanding rigidity and structural stability.



Corrosion Resistant
Hot-dip galvanized for maximum protection in harsh environments.



Fast & Easy Installation
Pre-punched slots for quick alignment and secure fastening.

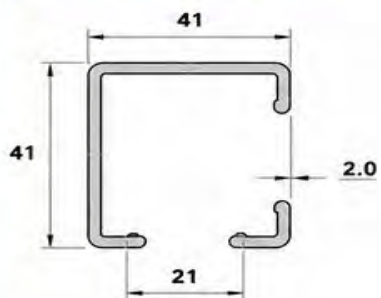


Sustainable Choice
Recyclable steel for a greener future.

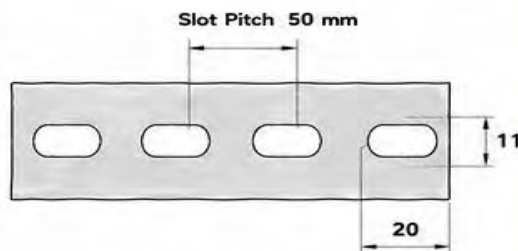
PRODUCT CODE

CST-DC-FC

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)



Slot Size: 11 x 20 (Obround)

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Top Flange (A)	41 mm
Bottom Flange (B)	21 mm
Web (C)	41 mm
Thickness (t)	2.0 mm (as standard)
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Furring Channels, Support Systems, Light Structures
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (KN/m) (Uniformly Distributed)
1.5	1.0	9.80
	1.5	6.50
	2.0	3.90
2.0	1.0	13.30
	1.5	8.80
	2.0	5.30
2.5	1.0	16.90
	1.5	11.20
	2.0	6.70
3.0	1.0	20.50
	1.5	13.60
	2.0	8.10

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

PROFILE FEATURES

- ☑ Furring channel shape for versatile applications.
- ☑ High load-bearing capacity with low self-weight.
- ☑ Pre-punched slots for fast and accurate installation.
- ☑ Consistent dimensions and accurate tolerances.
- ☑ Hot-dip galvanized for long-lasting protection.
- ☑ Compatible with a wide range of accessories.

AVAILABLE THICKNESSES



Other thicknesses available upon request.

APPLICATIONS



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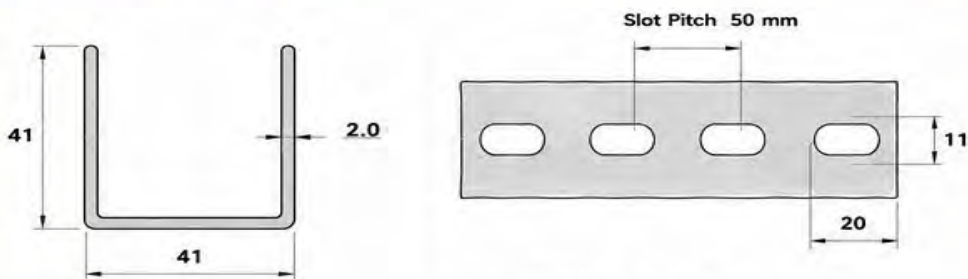


DC U CHANNEL

VERSATILE. STRONG. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC U Channel is a widely used structural component for solar mounting systems and industrial applications. Its U-shaped design provides excellent strength, easy installation and compatibility with a variety of fittings and accessories.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- U channel design for versatile applications.
- High strength with excellent load capacity.
- Pre-punched slots for fast installation.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Compatible with a wide range of accessories.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S355GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Width (B)	41 mm
Lip Length (L)	21 mm
Thickness (t)	2.0 mm (as standard)
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3.0 m / 6.0 m
Design Standard	EN 1993-1-3 / EN 10162
Application	Solar Mounting, Purlins, Rails, Support Systems, Light Structures
Warranty	10 Years

APPLICATIONS



KEY BENEFITS



High Load Capacity
U channel design ensures superior load-bearing performance.



High Strength & Stability
Provides outstanding strength and structural integrity.



Corrosion Resistant
Hot-dip galvanized for maximum protection in harsh environments.



Fast & Easy Installation
Pre-punched slots for quick and secure installation.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-U

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
1.5	1.0	7.40
	1.5	4.80
	2.0	2.90
2.0	1.0	10.80
	1.5	7.10
	2.0	4.20
2.5	1.0	13.70
	1.5	8.80
	2.0	5.20
3.0	1.0	16.60
	1.5	10.60
	2.0	6.30

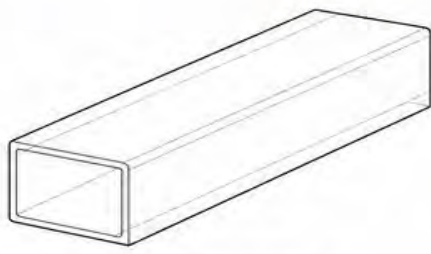
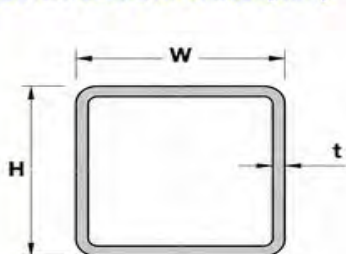
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC RECTANGULAR TUBE

STRONG. PRECISE. RELIABLE.
DESIGNED FOR SOLAR STRUCTURES.

CASK Steel DC Rectangular Tube is manufactured from high quality galvanized steel, engineered for solar mounting systems and structural applications. Its closed section provides excellent strength, torsional resistance and durability for long term performance in demanding environments.

TECHNICAL DRAWING (mm)



Length: 3000 mm / 6000 mm
(Other lengths available on request)

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ☑ Closed rectangular section for high strength.
- ☑ High load-bearing capacity with low weight.
- ☑ Excellent torsional and bending resistance.
- ☑ Accurate dimensions and consistent quality.
- ☑ Hot-dip galvanized for long-lasting protection.
- ☑ Compatible with a wide range of accessories.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Wall Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	20 – 120 mm
Width (W)	20 – 100 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Corner Radius	R2 (Internal)
Standard	EN 10305-5 / EN 10219-2
Tolerance	EN 10219-2
Application	Solar Mounting, Structural Frames, Support Systems, Industrial Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



STRUCTURAL FRAMES



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Closed section design delivers superior strength and load-bearing performance.



High Strength & Stability
Excellent torsional strength and dimensional stability for reliable structures.



Corrosion Resistant
Hot-dip galvanized for maximum protection in harsh environments.



Fast & Easy Installation
Easy to cut, drill and fix for quick and accurate installation.



Sustainable Choice
Recyclable steel for a greener and sustainable future.

PRODUCT CODE

CST-DC-RT

LOAD CAPACITY (REFERENCE)

SIZE H x W (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
40 x 40	1.5	1.5	4.40
	2.0	2.0	7.10
	2.5	2.5	10.40
60 x 40	1.5	1.5	6.00
	2.0	2.0	9.70
	2.5	2.5	14.20
80 x 40	3.0	3.0	18.40
	1.5	1.5	7.60
	2.0	2.0	12.30
100 x 50	2.5	2.5	18.00
	3.0	3.0	23.30
	2.0	2.0	16.20
	2.5	2.5	23.70
	3.0	3.0	30.70

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



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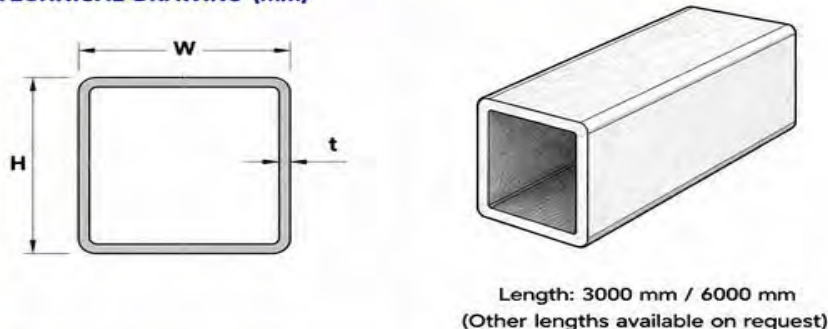


DC SQUARE TUBE

STRONG. PRECISE. VERSATILE.
MADE FOR SOLAR STRUCTURES.

CASK Steel DC Square Tube is manufactured from premium galvanized steel with a square closed section, ideal for solar mounting systems and structural frameworks. It provides excellent strength, durability and dimensional accuracy for reliable performance in all conditions.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Closed square section for maximum strength.
- High load-bearing capacity with low weight.
- Excellent torsional and bending resistance.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Suitable for a wide range of solar structures and industrial applications.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Wall Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	20 – 100 mm
Width (W)	20 – 100 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Corner Radius	R2 (Internal)
Standard	EN 10305-5 / EN 10219-2
Tolerance	EN 10219-2
Application	Solar Mounting, Structural Frames, Support Systems, Industrial Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



STRUCTURAL FRAMES



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES

LOAD CAPACITY (REFERENCE)

SIZE H x W (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
40 x 40	1.5	1.5	4.80
	2.0	2.0	7.70
	2.5	2.5	11.30
	3.0	3.0	15.80
60 x 60	1.5	2.0	8.30
	2.0	2.5	13.50
	2.5	3.0	18.90
	3.0	3.5	25.20
80 x 80	2.0	2.5	17.60
	2.5	3.5	24.70
	3.0	4.0	32.80
	2.0	3.0	24.10
100 x 100	2.5	4.0	33.80
	3.0	4.5	44.90

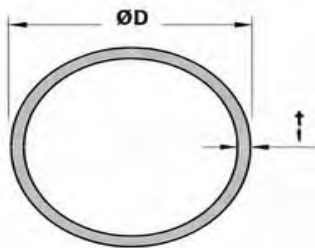
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC ROUND TUBE

STRONG. DURABLE. RELIABLE.
ENGINEERED FOR SOLAR EXCELLENCE.

CASK Steel DC Round Tube is manufactured from high quality galvanized steel with a circular closed section, ideal for solar mounting systems, lighting poles, and structural applications. It offers excellent strength, uniform load distribution and outstanding corrosion resistance for long term performance in all environments.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Round closed section for maximum strength.
- High load-bearing capacity with low weight.
- Uniform stress distribution and high stability.
- Excellent resistance to bending and torsion.
- Hot-dip galvanized for long-lasting protection.
- Ideal for solar structures and industrial use.



Length: 3000 mm / 6000 mm
(Other lengths available on request)

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Wall Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Diameter (D)	20 – 114 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Tolerance	EN 10219-2
Standard	EN 10305-3 / EN 10219-2
Application	Solar Mounting, Lighting Poles, Structural Frames, Support Systems
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



SUPPORT STRUCTURES



LIGHTING POLES



INDUSTRIAL STRUCTURES

KEY BENEFITS



High Load Capacity
Round tube design ensures high strength and excellent load-bearing.



High Strength & Stability
Outstanding structural stability and uniform stress distribution.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Fast & Easy Installation
Easy to cut, drill and weld for quick and secure installation.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-RO

LOAD CAPACITY (REFERENCE)

DIAMETER ØD (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
48	1.5	1.5	4.30
	2.0	2.0	6.80
	2.5	2.5	10.10
	3.0	3.0	13.10
60	1.5	2.0	6.20
	2.0	2.5	9.90
	2.5	3.0	14.20
	3.0	3.5	18.20
76	2.0	2.5	13.00
	2.5	3.0	18.50
	3.0	3.5	23.70
114	2.5	3.0	31.60
	3.0	3.5	40.50

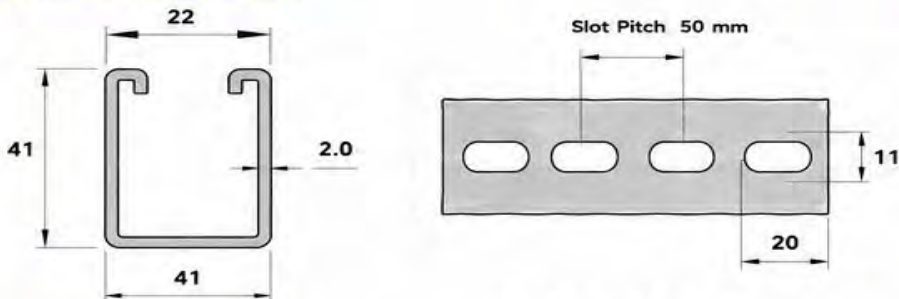
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC STRUT CHANNEL

STRONG. VERSATILE. RELIABLE.
THE FOUNDATION OF SOLAR STRUCTURES.

CASK Steel DC Strut Channel is a high strength, versatile steel profile with slotted web design for easy adjustment and strong fastening. Widely used in solar mounting systems, support structures and industrial applications. Compatible with a full range of fittings and accessories.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Slotted web for flexible and adjustable installation.
- High load-bearing capacity with low self-weight.
- Pre-punched slots for fast and accurate assembly.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Compatible with a wide range of fittings and accessories.

AVAILABLE THICKNESSES



Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm (±0.15)
Height (H)	41 mm
Width (W)	41 mm
Lip Length (L)	22 mm
Thickness (t)	2.0 mm (as standard)
Slot Size	11 x 20 mm (Obround)
Slot Pitch	50 mm (Center to Center)
Standard Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Design Standard	EN 10305-5 / EN 10162
Application	Solar Mounting, Support Systems, Structural Frames, Industrial Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



SUPPORT STRUCTURES



EQUIPMENT SUPPORT



MEP SUPPORT SYSTEMS



INDUSTRIAL APPLICATIONS

KEY BENEFITS



High Load Capacity
Slotted design allows flexible installation with excellent load-bearing performance.



High Strength & Stability
Cold formed high grade steel ensures superior strength and structural stability.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Fast & Easy Installation
Pre-punched slots for quick alignment, adjustment and secure fastening.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-SC

LOAD CAPACITY (REFERENCE)

THICKNESS (mm)	SPAN (m)	ALLOWABLE LOAD (KN/m) (Uniformly Distributed)
1.5	1.0	7.50
	1.5	5.20
	2.0	3.30
2.0	1.0	10.80
	1.5	7.40
	2.0	4.70
2.5	1.0	13.80
	1.5	9.50
	2.0	6.00
3.0	1.0	17.00
	1.5	11.70
	2.0	7.30

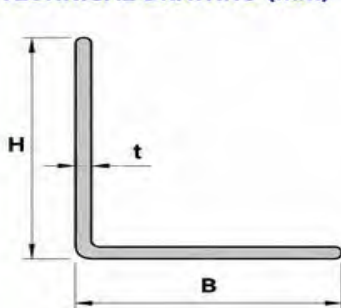
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC ANGLE PROFILE

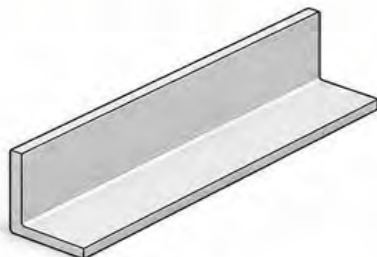
STRONG. PRECISE. DURABLE.
BUILT FOR SOLAR STRUCTURES.

CASK Steel DC Angle Profile is a versatile L-shaped steel section designed for a wide range of structural and support applications in solar mounting systems and industrial projects. It provides excellent strength, stability and easy installation. Available in multiple sizes and thicknesses to meet project requirements.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)



Standard Length:
3000 mm / 6000 mm
Other lengths available on request

PROFILE FEATURES

- ☑ L-profile design for versatile structural use.
- ☑ High strength with excellent load capacity.
- ☑ Accurate dimensions and consistent quality.
- ☑ Hot-dip galvanized for corrosion protection.
- ☑ Easy to fabricate, cut and weld.
- ☑ Available in a wide range of sizes and thicknesses.

AVAILABLE THICKNESSES



Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm / 4.0 mm / 5.0 mm
Height (H)	20 mm – 200 mm
Base Width (B)	20 mm – 200 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	EN 10025-2 / EN 10346
Tolerance	EN 10162
Corners	Rolled - Standard Radius
Application	Solar Mounting, Support Systems, Frames, Bracing, Industrial Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



SUPPORT SYSTEMS



STRUCTURAL FRAMES



BRACING & SUPPORT



INDUSTRIAL APPLICATIONS

LOAD CAPACITY (REFERENCE)

SIZE H x B (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (KN/m) (Uniformly Distributed)
40 x 40	2.0	1.5	3.20
	2.5	2.0	4.80
	3.0	2.5	6.60
60 x 60	2.0	1.5	4.40
	2.5	2.0	6.60
	3.0	2.5	9.00
80 x 80	2.5	2.0	8.20
	3.0	2.5	11.20
	4.0	3.0	15.60
100 x 100	3.0	2.5	14.50
	4.0	3.0	19.80
	5.0	3.0	24.60

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

KEY BENEFITS



High Load Capacity
L-profile design ensures high strength and reliable load-bearing performance.



High Strength & Stability
Provides excellent stability and structural integrity.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Fast & Easy Installation
Easy to cut, drill and connect for quick and secure installation.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-AP



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



9001:2015



14001:2015



45001:2018



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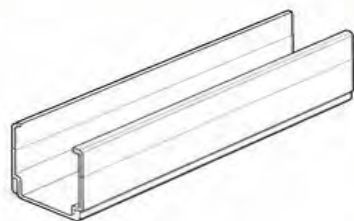
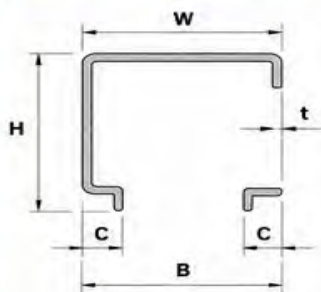


DC CEE PROFILE

STRONG. PRECISE. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC Cee Profile is a cold formed steel section with C-shaped design for high strength and excellent load-bearing capacity. Widely used in solar mounting systems, roof & ground structures, and industrial applications. Available in various sizes and thicknesses to suit different project requirements.

TECHNICAL DRAWING (mm)



Standard Length:
3000 mm / 6000 mm
Other lengths available on request

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ⊙ C-section design for maximum strength.
- ⊙ High load-bearing capacity with low weight.
- ⊙ Excellent resistance to bending and torsion.
- ⊙ Consistent dimensions and accurate tolerances.
- ⊙ Hot-dip galvanized for long-lasting protection.
- ⊙ Suitable for a wide range of solar structures
- ⊙ and industrial applications.

AVAILABLE THICKNESSES



Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm / 4.0 mm
Height (H)	50 - 200 mm
Width (W)	41 - 80 mm
Lip (C)	10 - 20 mm
Lip Return (B)	12 - 25 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	EN 10162
Tolerance	EN 10143
Corners	Rounded Corners
Application	Solar Mounting, Purlins, Rails, Support Systems, Industrial Structures
Warranty	10 Years

APPLICATIONS



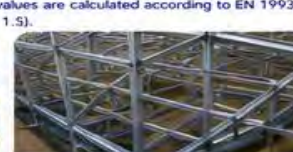
SOLAR PANEL MOUNTING



PURLINS & RAILS



GROUND MOUNT SYSTEMS



ROOF STRUCTURES



INDUSTRIAL APPLICATIONS

KEY BENEFITS



High Load Capacity
C-section design delivers superior strength and load-bearing performance.



High Strength & Stability
Excellent resistance to bending and torsion for reliable structures.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Easy & Fast Installation
Lightweight and easy to cut, drill and assemble for quick installation.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-CP

LOAD CAPACITY (REFERENCE)

SIZE H x W (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
50 x 41	1.5	1.5	1.80
	2.0	2.0	2.60
	2.5	2.5	3.60
	3.0	3.0	4.70
75 x 45	1.5	1.5	2.40
	2.0	2.0	3.40
	2.5	2.5	4.70
	3.0	3.0	6.20
100 x 50	4.0	4.0	8.20
	1.5	1.5	3.10
	2.0	2.0	4.40
	2.5	2.5	6.10
150 x 60	3.0	3.0	8.00
	4.0	4.0	10.70
	2.0	2.0	6.20
	2.5	2.5	8.60
200 x 75	3.0	3.0	11.30
	4.0	4.0	15.20
	2.5	2.5	11.30
	3.0	3.0	14.80
	4.0	4.0	19.80

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
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9001:2015



14001:2015



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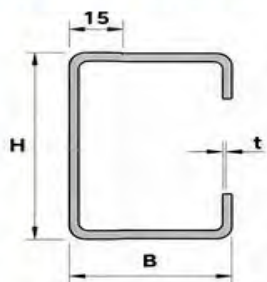


DC FC PROFILE

STRONG. PRECISE. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC FC Profile is a high strength cold formed steel section with a return lip on one flange for enhanced rigidity and easy interlocking. Ideal for solar mounting systems, purlins, rails, and industrial structures where high load-bearing performance and fast installation are required. Available in various sizes and thicknesses to meet project requirements.

TECHNICAL DRAWING (mm)



Standard Length:
3000 mm / 6000 mm
Other lengths available on request

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- FC design with return lip for extra stiffness.
- High load-bearing capacity with low weight.
- Excellent resistance to bending and torsion.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Ideal for solar structures and industrial use.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

4.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm / 4.0 mm
Height (H)	50 – 300 mm
Base Width (B)	41 – 100 mm
Lip (C)	15 mm
Lip Return (D)	10 – 20 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	EN 10162
Tolerance	EN 10143
Corners	Rounded Corners
Application	Solar Mounting, Purlins, Rails, Support Systems, Industrial Structures
Warranty	10 Years

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & RAILS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES



ROOF APPLICATIONS

LOAD CAPACITY (REFERENCE)

SIZE H x B (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
75 x 41	1.5	1.5	2.10
	2.0	2.0	2.90
	2.5	2.5	4.00
	3.0	3.0	5.30
100 x 50	1.5	1.5	2.70
	2.0	2.0	3.70
	2.5	2.5	5.10
	3.0	3.0	6.70
150 x 60	4.0	3.5	9.40
	1.5	1.5	3.60
	2.0	2.0	4.90
	2.5	2.5	6.80
200 x 75	3.0	3.0	8.90
	4.0	3.5	12.40
	2.0	2.0	6.20
	2.5	2.5	8.60
200 x 75	3.0	3.0	11.20
	4.0	3.5	15.70

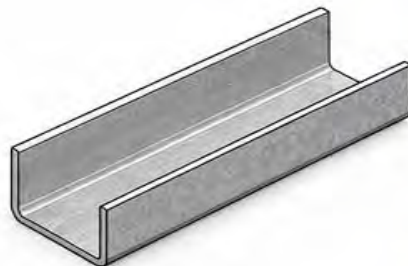
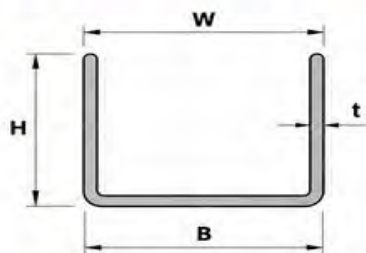
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC U CHANNEL

STRONG. PRECISE. RELIABLE.
BUILT FOR SOLAR STRUCTURES.

CASK Steel DC U Channel is a versatile cold formed steel section with U-shaped design for strength, flexibility and easy integration. Widely used in solar mounting systems, support structures and industrial applications. Available in various sizes and thicknesses to meet project requirements.

TECHNICAL DRAWING (mm)



Standard Length:
3000 mm / 6000 mm
Other lengths available on request

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- U-shaped section for versatile applications.
- High load-bearing capacity with low weight.
- Excellent resistance to bending and torsion.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Easy to cut, drill, and assemble.
- Suitable for solar and industrial structures.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

4.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm / 4.0 mm
Height (H)	41 – 200 mm
Base Width (B)	41 – 150 mm
Flange Width (W)	20 – 75 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	EN 10162
Tolerance	EN 10143
Corners	Rounded Corners
Application	Solar Mounting, Support Systems, Purlins, Industrial Structures
Warranty	10 Years

LOAD CAPACITY (REFERENCE)

SIZE H x B (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
41 x 41	1.5	1.5	2.20
	2.0	2.0	3.20
	2.5	2.5	4.40
	3.0	3.0	5.80
50 x 50	1.5	1.5	2.80
	2.0	2.0	4.10
	2.5	2.5	5.60
	3.0	3.0	7.40
75 x 40	1.5	1.5	2.60
	2.0	2.0	3.80
	2.5	2.5	5.20
	3.0	3.0	6.80
100 x 50	2.0	2.0	4.80
	2.5	2.5	6.60
	3.0	3.0	8.80
	4.0	3.5	12.20
150 x 75	3.0	3.0	11.20
	4.0	3.5	15.70

* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

APPLICATIONS



SOLAR PANEL MOUNTING



PURLINS & GIRTS



SUPPORT SYSTEMS



INDUSTRIAL STRUCTURES



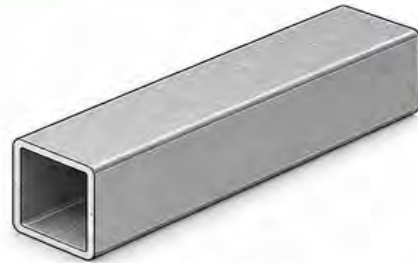
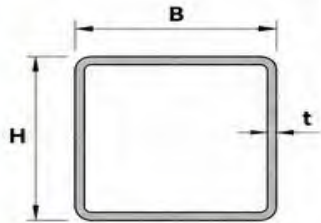
EQUIPMENT SUPPORT

DC RECTANGULAR TUBE

STRONG. PRECISE. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC Rectangular Tube is a high strength cold formed steel section with rectangular design for versatile structural applications. Provides excellent load-bearing capacity, dimensional accuracy and easy integration. Widely used in solar mounting systems, support structures, frames and industrial applications. Available in various sizes and thicknesses to meet project requirements.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

PROFILE FEATURES

- Rectangular profile for high strength applications.
- High load-bearing capacity with low weight.
- Excellent resistance to bending and torsion.
- Consistent dimensions and accurate tolerances.
- Hot-dip galvanized for long-lasting protection.
- Easy to cut, drill and weld.
- Suitable for a wide range of sizes and industrial applications.

AVAILABLE THICKNESSES

1.5 mm

2.0 mm

2.5 mm

3.0 mm

4.0 mm

Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm / 4.0 mm
Height (H)	20 mm – 200 mm
Width (B)	20 mm – 150 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	EN 10305-5 / EN 10219-1
Tolerance	EN 10143
Corners	Rounded Corners
Application	Solar Mounting, Support Systems, Frames, Structures, Industrial Applications
Warranty	10 Years

APPLICATIONS



LOAD CAPACITY (REFERENCE)

SIZE H x B (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
40 x 20	1.5	1.5	1.90
	2.0	2.0	2.90
	2.5	2.5	3.90
	3.0	3.0	5.20
60 x 30	1.5	1.5	2.70
	2.0	2.0	4.10
	2.5	2.5	5.60
	3.0	3.0	7.40
80 x 40	1.5	1.5	3.40
	2.0	2.0	5.10
	2.5	2.5	6.90
	3.0	3.0	9.20
100 x 50	1.5	1.5	4.20
	2.0	2.0	6.30
	2.5	2.5	8.50
	3.0	3.0	11.30

* Load capacity values are calculated according to EN 1993-1-3
(Safety Factor 1.5).

KEY BENEFITS



High Load Capacity
Rectangular section delivers superior strength and high load-bearing performance.



High Strength & Stability
Provides excellent structural stability and resistance to deformation.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Easy & Fast Installation
Simple to cut, weld and assemble saving time and labor.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-RT



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
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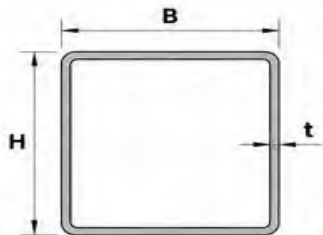


DC SQUARE TUBE

STRONG. PRECISE. RELIABLE.
BUILT FOR SOLAR STRUCTURES.

CASK Steel DC Square Tube is a high strength cold formed steel section with square design for structural applications. It delivers excellent load-bearing capacity, torsional strength, dimensional accuracy and easy integration. Widely used in solar mounting systems, support structures, frames and industrial applications. Available in various sizes and thicknesses to meet project requirements.

TECHNICAL DRAWING (mm)



Standard Length:
3000 mm / 6000 mm
Other lengths available on request

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Square profile for high strength applications.
- ✓ High load-bearing capacity with low weight.
- ✓ Excellent resistance to bending and torsion.
- ✓ Consistent dimensions and accurate tolerances.
- ✓ Hot-dip galvanized for long-lasting protection.
- ✓ Easy to cut, drill, weld and assemble.
- ✓ Suitable for solar and industrial applications.

AVAILABLE THICKNESSES



Other thicknesses available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm / 4.0 mm
Height (H)	20 - 200 mm
Width (B)	20 - 200 mm
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	EN 10305-5 / EN 10219-1
Tolerance	EN 10143
Corners	Rounded Corners
Application	Solar Mounting, Support Systems, Frames, Structural Applications
Warranty	10 Years

APPLICATIONS



KEY BENEFITS



High Load Capacity
Square section offers superior strength and excellent load-bearing performance.



High Strength & Stability
Uniform properties in all directions provide excellent stability and rigidity.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Easy & Fast Installation
Simple to cut, drill and assemble for faster and secure installation.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-ST

LOAD CAPACITY (REFERENCE)

SIZE H x B (mm)	THICKNESS t (mm)	SPAN (m)	ALLOWABLE LOAD (kN/m) (Uniformly Distributed)
30 x 30	1.5	1.5	1.70
	2.0	2.0	2.40
	2.5	2.5	3.30
	3.0	3.0	4.30
40 x 40	1.5	1.5	2.20
	2.0	2.0	3.10
	2.5	2.5	4.30
	3.0	3.0	5.60
50 x 50	1.5	1.5	2.80
	2.0	2.0	3.90
	2.5	2.5	5.40
	3.0	3.0	7.10
60 x 60	2.0	2.0	4.80
	2.5	2.5	6.70
	3.0	3.0	8.70
	4.0	3.0	12.90

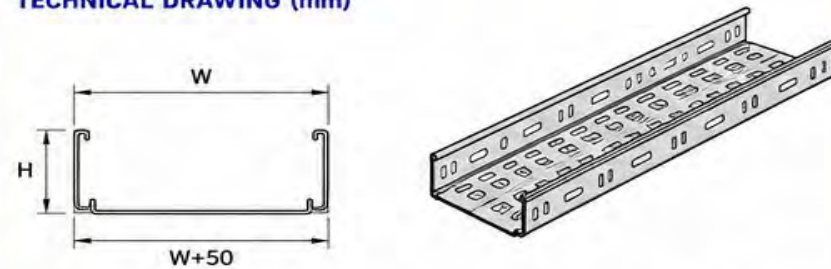
* Load capacity values are calculated according to EN 1993-1-3 (Safety Factor 1.5).

DC CABLE TRAY

STRONG. PRECISE. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC Cable Tray is designed for safe and efficient cable management in solar power plants, industrial facilities and commercial buildings. Manufactured from high quality steel with precision engineering, it provides excellent load-bearing capacity, corrosion resistance and long service life. Available in various types and sizes to suit all project requirements.

TECHNICAL DRAWING (mm)



* All dimensions are in millimeters (mm)

Standard Length: 3000 mm
Other lengths available on request

PROFILE FEATURES

- High load-bearing capacity with low weight.
- Excellent resistance to bending and torsion.
- Smooth edges for safe cable installation.
- Hot-dip galvanized for long-lasting protection.
- Perforated base for better ventilation.
- Wide range of sizes and accessories.
- Ideal for solar, industrial and commercial applications.

AVAILABLE THICKNESSES

1.0 mm

1.2 mm

1.5 mm

2.0 mm

Other thicknesses available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Thickness (t)	1.0 mm / 1.2 mm / 1.5 mm / 2.0 mm
Side Height (H)	50 mm / 75 mm / 100 mm / 150 mm
Width (W)	50 mm to 1000 mm
Length	3000 mm (Standard) Other lengths available on request
Perforation	Slot Type (Standard) Other perforations available on request
Standard	IEC 61537 / EN 10143 / EN 10346
Tolerance	EN 10143
Accessories	Couplers, Bends, Tees, Crosses, Reducers, Supports, Covers, Dividers
Application	Cable Management in Solar Plants, Industrial & Commercial Buildings
Warranty	10 Years

LOAD CAPACITY (REFERENCE) *

SIDE HEIGHT H (mm)	THICKNESS t (mm)	SUPPORT SPAN (m)					ALLOWABLE LOAD (kg/m)
		1.5	2.0	2.5	3.0		
50	1.0	105	80	60	45		45
	1.2	130	100	75	55		55
	1.5	165	125	95	70		70
	2.0	220	165	125	95		95
75	1.0	155	115	85	60		60
	1.2	190	140	105	75		75
	1.5	245	185	135	95		95
	2.0	325	245	180	125		125
100	1.0	210	155	115	80		80
	1.2	260	195	145	105		105
	1.5	330	245	180	125		125
	2.0	440	325	240	170		170
150	1.0	330	245	180	125		125
	1.2	410	305	225	160		160
	1.5	520	385	285	200		200
	2.0	695	515	380	270		270

* Load capacity values are calculated according to IEC 61537 with safety factor 1.5.
Capacities may vary based on end conditions and connection details.

APPLICATIONS



KEY BENEFITS



High Load Capacity
Robust design ensures superior strength and excellent load-bearing performance.



High Strength & Versatility
Suitable for a wide range of applications with various Accessories.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Easy & Fast Installation
Lightweight and easy to cut, assemble and install, saving time and labor.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-CTY



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



9001:2015



14001:2015



45001:2018



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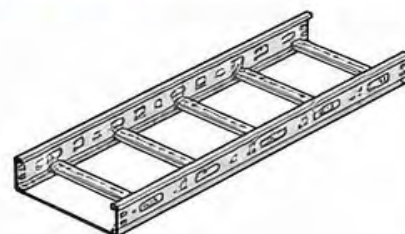
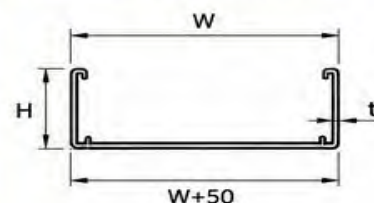


DC CABLE LADDER

STRONG. PRECISE. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC Cable Ladder is engineered for superior strength and maximum cable support in demanding environments. The open ladder design provides excellent ventilation, easy cable installation and maintenance. Manufactured from high quality steel with precision engineering, it ensures outstanding load-bearing capacity, corrosion resistance and long service life. Available in various sizes and configurations to suit all project requirements.

TECHNICAL DRAWING (mm)



Standard Length: 3000 mm / 6000 mm
Other lengths available on request

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- ✓ Ladder design for maximum cable support.
- ✓ High load-bearing capacity with low weight.
- ✓ Excellent resistance to bending and torsion.
- ✓ Open structure provides ventilation and heat dissipation.
- ✓ Hot-dip galvanized for long-lasting protection.
- ✓ Easy to cut, drill and assemble.
- ✓ Ideal for solar, industrial and commercial applications.

AVAILABLE SIDE HEIGHTS

50 mm

75 mm

100 mm

150 mm

Other heights available
upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Side Rail Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm
Rung Thickness (t)	1.2 mm / 1.5 mm / 2.0 mm
Side Height (H)	50 mm / 75 mm / 100 mm / 150 mm
Width (W)	100 mm to 1000 mm
Rung Spacing	250 mm (Standard) Other spacings available on request
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	IEC 61537 / EN 10143 / EN 10346
Tolerance	EN 10143
Accessories	Reducers, Bends, Tees, Crosses, Horizontal & Vertical Elbows, Couplers, Splice Plates, Supports
Application	Cable Management in Solar Plants, Industrial Facilities, Commercial Buildings
Warranty	10 Years

APPLICATIONS



LOAD CAPACITY (REFERENCE) *

SIDE HEIGHT H (mm)	WIDTH W (mm)	THICKNESS (t) mm			SPAN (m)
		1.5	2.0	2.5	
50	150	110	150	190	3.0
	190	95	130	165	3.0
	240	80	110	145	3.0
	300	65	90	120	3.0
75	150	150	205	265	3.0
	190	130	175	230	3.0
	240	110	150	195	3.0
	300	90	125	165	3.0
100	150	180	245	320	3.0
	190	155	210	275	3.0
	240	130	180	235	3.0
	300	105	145	190	3.0
150	150	230	315	410	3.0
	190	200	275	355	3.0
	240	165	225	295	3.0
	300	135	185	240	3.0

* Load capacity values are calculated according to IEC 61537 with safety factor 1.5.
Capacities may vary based on end conditions and connection details.

KEY BENEFITS



High Load Capacity
Ladder design ensures excellent load-bearing performance for heavy cable support.



High Strength & Versatility
Robust structure for long spans and wide applications with various accessories.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Easy & Fast Installation
Lightweight sections and modular accessories reduce installation time and labor.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-CL



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



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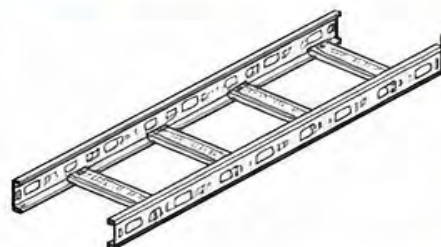
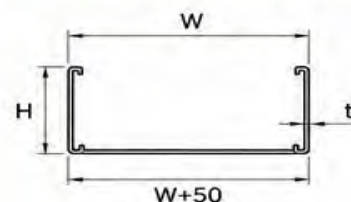


DC CABLE LADDER

STRONG. PRECISE. RELIABLE.
ENGINEERED FOR SOLAR STRUCTURES.

CASK Steel DC Cable Ladder is designed for demanding environments where maximum cable support, ventilation and strength are essential. Its open rungs design ensures excellent heat dissipation, easy cable installation and future flexibility. Manufactured from high quality steel with precision engineering, it provides outstanding load-bearing capacity, corrosion resistance and long service life. Available in various sizes and configurations to suit all project requirements.

TECHNICAL DRAWING (mm)



Standard Length: 3000 mm / 6000 mm
Other lengths available on request

* All dimensions are in millimeters (mm)

PROFILE FEATURES

- High load-bearing capacity with low weight.
- Excellent resistance to bending and torsion.
- Open ladder design for maximum ventilation and heat dissipation.
- Hot-dip galvanized for long-lasting protection.
- Easy to cut, drill and assemble.
- Suitable for solar, industrial and commercial applications.

AVAILABLE SIDE HEIGHTS

50 mm

75 mm

100 mm

150 mm

Other heights available upon request.

TECHNICAL SPECIFICATIONS

Material	Carbon Steel (Grade S235GD / S355GD)
Coating	Hot-Dip Galvanized (EN ISO 1461)
Side Rail Thickness (t)	1.5 mm / 2.0 mm / 2.5 mm / 3.0 mm
Rung Thickness (t)	1.2 mm / 1.5 mm / 2.0 mm
Side Height (H)	50 mm / 75 mm / 100 mm / 150 mm
Width (W)	100 mm to 1000 mm
Rung Spacing	250 mm (Standard) Other spacings available on request
Length	3000 mm / 6000 mm (Standard) Other lengths available on request
Standard	IEC 61537 / EN 10143 / EN 10346
Tolerance	EN 10143
Accessories	Reducers, Bends, Tees, Crosses, Horizontal & Vertical Elbows, Couplers, Splice Plates, Supports
Application	Cable Management in Solar Plants, Industrial Facilities, Commercial Buildings
Warranty	10 Years

APPLICATIONS



SOLAR POWER PLANTS



INDUSTRIAL FACILITIES



COMMERCIAL BUILDINGS



PROCESS PLANTS



CABLE MANAGEMENT



HVAC & UTILITIES

KEY BENEFITS



High Load Capacity
Engineered for superior load-bearing performance in heavy duty applications.



High Strength & Versatility
Strong side rails and rungs provide stability across long spans and wide applications.



Corrosion Resistant
Hot-dip galvanized for long-lasting protection in harsh environments.



Easy & Fast Installation
Pre-punched slots and rungs allow quick installation and secure fixing.



Sustainable Choice
Recyclable steel for a greener future.

PRODUCT CODE

CST-DC-LD

LOAD CAPACITY (REFERENCE) *

SIDE HEIGHT H (mm)	WIDTH W (mm)	ALLOWABLE LOAD (kg/m) WITH SUPPORT SPAN (m)			
		1.5	2.0	2.5	3.0
50	150	110	80	60	45
	300	210	160	120	90
	450	300	230	170	130
	600	390	300	220	165
	750	480	360	270	200
	900	560	420	320	240
75	1000	620	470	350	260
	150	150	110	80	60
	300	290	210	150	110
	450	410	300	220	160
	600	540	380	280	205
	750	660	470	340	245
100	900	780	540	390	285
	1000	860	600	430	315
	150	190	140	100	75
	300	360	270	190	140
	450	510	370	260	190
	600	670	480	340	250
150	750	820	590	410	300
	900	970	690	480	345
	1000	1070	760	520	380
	150	210	200	140	100
	300	510	380	270	200
	450	720	540	380	280
150	600	940	670	470	345
	750	1160	830	580	425
	900	1380	980	680	500
	1000	1520	1080	740	540

* Load capacity values are calculated according to IEC 61537 with safety factor 1.5. Capacities may vary based on end conditions and connection details.



ENGINEERED
TO PERFORM



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



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1

RAW MATERIAL INSPECTION



- Certified structural steel from approved suppliers
- Chemical & mechanical property verification
- Material traceability and documentation

2

COIL PREPARATION



- Steel coil uncoiling
- Leveling and straightening
- Surface inspection for consistent quality

3

ROLL FORMING



- High-precision profile forming
- Continuous automated process
- Consistent dimensional accuracy

4

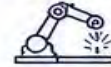
CNC PUNCHING & CUTTING



- Automated hole punching and slotting
- CNC cutting to exact lengths
- Project-specific fabrication

5

WELDING & ASSEMBLY



- Robotic and manual welding
- Structural sub-assemblies
- Connection plates and brackets

6

SURFACE PROTECTION



- Hot-Dip Galvanizing (HDG)
- Magnelis® coating (optional)
- Powder coating (optional)

7

QUALITY INSPECTION



- Dimensional verification
- Hole position accuracy
- Coating thickness test
- Visual inspection
- Final quality approval

8

PACKAGING & LOGISTICS



- Bundle identification
- Protective wrapping
- Container optimization
- Export documentation and labeling

9

WORLDWIDE DELIVERY



- Utility-scale solar plants
- Commercial & industrial projects
- Global distribution network

WHY OUR PROCESS MATTERS

- ✓ Consistent manufacturing quality
- ✓ High dimensional accuracy
- ✓ Excellent corrosion protection
- ✓ Reduced installation time
- ✓ Long service life
- ✓ Reliable project delivery

SURFACE TREATMENT OPTIONS



HOT-DIP GALVANIZING (HDG)

Superior corrosion protection for harsh environments



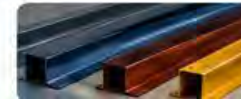
MAGNELIS® COATING

Excellent corrosion resistance with self-healing protection



PRE-GALVANIZED STEEL

Cost-effective protection for standard applications



POWDER COATING

Aesthetic finish with high corrosion resistance

QUALITY IS BUILT INTO EVERY STEP

Our production process is managed under strict quality management systems and international standards to ensure every component meets the highest performance requirements.



RAW STEEL



COIL PREPARATION



ROLL FORMING



CNC PUNCHING



WELDING



SURFACE PROTECTION



QUALITY INSPECTION



PACKAGING



GLOBAL DELIVERY



ENGINEERED
TO PERFORM



QUALITY
ASSURED



BUILT FOR
DURABILITY



SUSTAINABLE
BY DESIGN



TRUSTED
WORLDWIDE



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



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PRECISION TECHNOLOGY. SUPERIOR STRUCTURES.

CASK STEEL utilizes advanced manufacturing machinery and automated systems to deliver high-quality solar steel structures with exceptional precision, consistency, and efficiency. Our equipment enables us to meet global standards and the demands of utility-scale projects.



HIGH
PRECISION



AUTOMATED
PROCESSES



RELIABLE
QUALITY



HIGH
PRODUCTIVITY

MANUFACTURING ADVANTAGES

- High production accuracy
- Fully automated production lines
- Consistent product quality
- Flexible custom manufacturing
- Large-scale production capacity
- Short lead times
- Reliable and repeatable results

ROLL FORMING LINES



- Continuous profile forming
- High-speed production
- Excellent dimensional accuracy
- Multiple profile configurations

CNC PUNCHING MACHINES



- Automatic hole positioning
- High-precision punching
- Fast and efficient processing
- Project-specific fabrication

FIBER LASER CUTTING



- High precision cutting
- Clean edges and accurate shapes
- Complex component fabrication
- High production efficiency

CNC PRESS BRAKES



- Precision bending
- Multiple bending capacities
- Tight tolerances
- Complex profile bending

ROBOTIC WELDING SYSTEMS



- Consistent and strong welds
- Robotic and automated systems
- High-quality structural assemblies
- Increased production capacity

CNC DRILLING & TAPPING



- High accuracy drilling
- Multiple drilling patterns
- Automatic tool change
- Fast processing

MATERIAL HANDLING SYSTEMS



- Automated material movement
- Safe and efficient handling
- Optimized workflow
- Reduced manual handling

AUTOMATED PACKAGING LINE



- Automatic bundling & strapping
- Labeling and identification
- Secure packaging
- Export-ready preparation

PRODUCTION CAPACITY

Production Lines	Multiple automated lines
Steel Thickness	1.5 mm – 8.0 mm
Profile Length	Up to 12 m (Customizable)
Material	High-strength structural steel
Surface Treatment	HDG, Magnelis®, Powder Coating
Production Type	Standard & Custom Manufacturing

INDUSTRIES WE SERVE



UTILITY
SOLAR PLANTS



COMMERCIAL
PROJECTS



INDUSTRIAL
FACILITIES



SOLAR
CARPORTS



AGRICULTURAL
PV PROJECTS



INFRASTRUCTURE
& ENERGY

ADVANCED MACHINERY. ENGINEERED EXCELLENCE. STRUCTURES THAT LAST.





MAXIMUM PROTECTION. MINIMUM MAINTENANCE.

CASK STEEL uses advanced hot-dip galvanizing technology to provide exceptional corrosion resistance for all steel structures. Our HDG coating ensures long service life even in the harshest environments, meeting international standards and project requirements.

WHY HOT-DIP GALVANIZING?

- Excellent corrosion protection
- Long service life (25+ years)
- Self-healing properties
- Low maintenance
- Cost-effective over lifecycle
- Suitable for harsh environments
- Complete inside & outside protection

OUR GALVANIZING PROCESS



HDG COATING STRUCTURE



- ① Eta (η) Layer
100% Zinc
- ② Zeta (ζ) Layer
94% Zinc / 6% Iron
- ③ Delta (δ) Layer
90% Zinc / 10% Iron
- ④ Gamma (Γ) Layer
75% Zinc / 25% Iron
- ⊗ Steel Substrate

COATING THICKNESS (HDG)

AVERAGE COATING THICKNESS	MINIMUM LOCAL THICKNESS
≥ 85 μm	≥ 70 μm
≥ 100 μm	≥ 85 μm
≥ 120 μm	≥ 100 μm
≥ 140 μm	≥ 120 μm
≥ 200 μm	≥ 170 μm

According to ISO 1461 / EN ISO 1461

KEY BENEFITS

- Protects steel even if the surface is scratched
- Excellent resistance to corrosion and rust
- Uniform coating on complex shapes and edges
- Long-lasting performance in all climates
- Ideal for outdoor and industrial applications
- Low maintenance and lifecycle cost
- Environmentally friendly & 100% recyclable

IDEAL FOR HARSH ENVIRONMENTS



QUALITY TESTS

- Coating Thickness Test (ISO 2178)
- Adhesion Test (ISO 2409)
- Mass per Unit Area Test (ISO 1461)
- Visual Inspection (ISO 1461)
- Surface Continuity Test



ISO 1461



EN ISO 1461



ASTM A123



IEC 62305



AISC



ASCE



EVERY COMPONENT. EVERY TIME.
PROTECTED FOR THE LONG TERM.



ENGINEERED
TO PERFORM



BUILT FOR
DURABILITY



QUALITY
ASSURED



SUSTAINABLE
BY DESIGN



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QUALITY CONTROL PROCESS



QUALITY TESTS PERFORMED

- ✓ Dimensional Inspection
- ✓ Visual & Surface Inspection
- ✓ Chemical Composition Analysis
- ✓ Mechanical Properties Testing
- ✓ Tensile & Yield Strength Test
- ✓ Coating Thickness Measurement
- ✓ Coating Adhesion Test
- ✓ Salt Spray Test (Corrosion)
- ✓ Hardness Test
- ✓ Impact Test

ACCURACY & TOLERANCES

PARAMETER	TOLERANCE
Length	± 2.0
Hole Position	± 1.0 mm
Width	± 1.5 mm
Thickness	According to Standards
Straightness	≤ 2.0 mm / 1000 mm
Angle	± 1°

TESTING EQUIPMENT

	TENSILE TESTING MACHINE Tests yield strength, ultimate strength and elongation.		COATING THICKNESS GAUGE Measures coating thickness of galvanized and coated materials.
	SALT SPRAY CHAMBER Evaluates corrosion resistance of coatings in accelerated conditions.		MICROSCOPE ANALYSIS Material structure and coating analysis for high quality assurance.
	HARDNESS TESTER Measures material hardness for mechanical performance verification.		CMM - COORDINATE MEASURING MACHINE High precision dimensional measurement of complex components.
	IMPACT TEST MACHINE Determines material toughness and impact resistance.		PROFILE PROJECTOR Ensures accurate dimensions and geometry of critical profiles and components.



TESTED. VERIFIED. TRUSTED.

Every component, every time.





OUR PACKAGING PROCESS



PACKAGING STANDARDS

- ✓ Strong steel bundling
- ✓ Protective wrapping
- ✓ Edge protection
- ✓ Clear identification labels
- ✓ Moisture and corrosion protection
- ✓ Safe lifting and handling
- ✓ Compliance with international shipping standards



PACKAGING FEATURES

- ✓ Weather resistant packaging
- ✓ Strong bundling for heavy loads
- ✓ Protection from scratches and damage
- ✓ Easy handling and stacking
- ✓ Clear labeling and traceability
- ✓ Optimized for container and transport
- ✓ Suitable for long-distance shipping

CONTAINER LOADING OPTIMIZATION

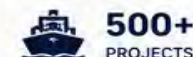
We optimize every shipment to maximize space utilization and ensure safe arrival.

- 20ft, 40ft & 40ft HQ containers
- Optimized weight distribution
- Secure stacking and lashing
- Reduced freight costs



GLOBAL LOGISTICS NETWORK

CASK STEEL delivers high-quality steel structures to utility-scale solar projects, commercial developments and industrial installations worldwide.



TYPICAL PRODUCTS WE SHIP



OUR COMMITMENT

We are committed to delivering premium quality products with secure packaging and reliable logistics to every corner of the world.



ENGINEERING INNOVATION DRIVES OUR FUTURE

At CASK STEEL, our R&D team is dedicated to developing advanced solutions for the global solar industry. Through continuous research, testing, and engineering, we design and improve high-performance steel structures that deliver reliability, durability, and efficiency in every project.



INNOVATE
New ideas and
advanced solutions



TEST
Rigorous testing
and validation



IMPROVE
Continuous product
enhancement



DELIVER
Reliable solutions
for our customers



OUR R&D CAPABILITIES



Structural Engineering & Design
Advanced structural analysis and optimized design for maximum performance.



Product Development
Development of new products and systems for evolving market needs.



Material Research
Investigation of new materials and coatings for superior strength and durability.



Performance Testing
Mechanical, corrosion, and load testing according to international standards.



Prototype Development
Rapid prototyping and full-scale trials to validate performance.

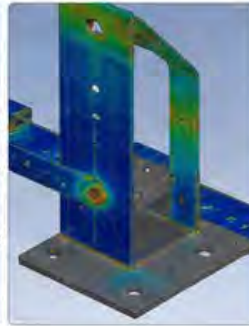


Software & Simulation
Advanced software and simulation tools for precise design and reliability.

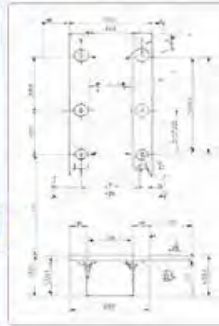
ENGINEERING & DESIGN



3D Modeling & CAD Design



Structural Analysis (FEA)



Detailing & Documentation

3D Modeling & CAD Design • Structural Analysis (FEA) • Detailing & Documentation

TESTING & VALIDATION



Load Testing
Verifying structural strength
and load capacity.



Corrosion Testing
Testing coatings for long-term
durability.



Coating Thickness Measurement
Ensuring coating compliance
with project requirements.



Material Testing
Mechanical properties testing
for quality assurance.

INNOVATION FOCUS AREAS



High-Performance Coatings
Developing advanced coating solutions for extreme environments.



Lightweight & High-Strength Designs
Optimizing material usage without compromising strength.



Installation Efficiency
Designing systems for faster and easier installation.



Sustainability
Eco-friendly materials and processes for a greener future.



Digital Engineering
Using digital tools and automation to improve accuracy and productivity.

DEVELOPMENT PROCESS



1. RESEARCH
Market research and customer needs analysis.



2. DESIGN
Concept development and engineering.



3. SIMULATION
Structural analysis and performance simulation.



4. PROTOTYPE
Prototype manufacturing and initial testing.



5. TESTING
Laboratory and field testing & validation.



6. OPTIMIZATION
Improvements based on test results.



7. PRODUCTION
Final design released for mass production.

OUR COMMITMENT

We invest in research, technology, and talent to develop innovative steel solutions that meet the highest global standards and support the transition to a sustainable energy future.



**INNOVATE.
ENGINEER.
EXCEL.**

CASK STEEL



**ENGINEERED
TO PERFORM**



**QUALITY
ASSURED**



**BUILT FOR
DURABILITY**



**SUSTAINABLE
BY DESIGN**



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WORLDWIDE**



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CASK STEEL designs and manufactures high-quality hot-dip galvanized steel structures for solar photovoltaic systems. Our solutions provide maximum strength, durability, and cost-efficiency for utility-scale, commercial, and industrial solar projects.



HIGH STRENGTH
Engineered for maximum loads



LONG SERVICE LIFE
HDG protection for 25+ years



CORROSION RESISTANT
Hot-dip galvanized to ISO 1461



COST-EFFICIENT
Optimized design and material usage



GLOBAL SOLUTIONS
Manufactured for international standards



UTILITY-SCALE PROJECTS



COMMERCIAL INSTALLATIONS



INDUSTRIAL SOLUTIONS



AGRICULTURAL & SPECIAL APPLICATIONS

OUR SOLAR STRUCTURE SOLUTIONS



FIXED TILT SYSTEMS

- Simple and reliable design
- Optimal tilt angle
- Cost-effective solution
- High structural stability



ADJUSTABLE TILT SYSTEMS

- Adjustable tilt for higher yield
- Seasonal angle optimization
- Increased energy production
- Easy adjustment mechanism



SINGLE AXIS TRACKER SYSTEMS

- Follows the sun's movement
- Increases energy output
- Robust and wind resistant
- Ideal for large scale projects



DUAL AXIS TRACKER SYSTEMS

- Maximum energy generation
- Tracks sun in two axes
- Superior performance
- Advanced control systems



CARPORT & CANOPY SYSTEMS

- Dual use of space
- Weather protection
- Aesthetic design
- Easy installation



AGRICULTURAL SOLUTIONS

- Elevated structures
- Compatible with agriculture
- Optimized land use
- Strong and durable

ENGINEERING & DESIGN SUPPORT



PROFESSIONAL DESIGN
Custom-designed solutions using advanced engineering software.



STRUCTURAL ANALYSIS
Wind, snow and seismic analysis according to international standards.



DRAWINGS & DOCUMENTATION
Detailed shop drawings, installation manuals and technical documentation.



TECHNICAL SUPPORT
Expert technical support from project planning to after-sales service.



MATERIAL SPECIFICATIONS

Material	S235JR – S355JR
Standard	EN 10025
Coating	Hot-Dip Galvanized
Coating Standard	ISO 1461
Coating Thickness	≥ 85 µm (Average)
Steel Thickness	1.5 mm – 6.0 mm
Yield Strength	≥ 235 MPa
Tensile Strength	360 – 510 MPa

KEY ADVANTAGES

- ✓ Hot-dip galvanized for superior corrosion protection
- ✓ Engineered for extreme weather conditions
- ✓ Long service life with low maintenance
- ✓ Flexible solutions for all project types
- ✓ Quick and easy installation
- ✓ Sustainable and 100% recyclable steel
- ✓ Compliant with international standards



DESIGNED & MANUFACTURED IN ACCORDANCE WITH



ISO 9001



IEC 62548



EN 1090



AISC



ISO 1461



ASCE 7

SUITABLE FOR ALL PROJECT TYPES



Ground Mounted PV Plants



Rooftop Installations



Commercial & Industrial Projects



Agricultural Applications



Carport & Canopy Systems

QUALITY. DURABILITY. RELIABILITY.

CASK STEEL – POWERING A SUSTAINABLE FUTURE.

CERTIFICATIONS



ISO 9001



ISO 14001



ISO 45001



TUV 900



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info@cask-industries.com

**CASK
STEEL**

A DIVISION OF CASK INDUSTRIES

CASK STEEL cable management systems are engineered to support, protect and organize electrical cables in commercial, industrial and infrastructure applications. Built for safety, durability and ease of installation.



SAFE & RELIABLE
Protects cables and ensures system safety



EASY INSTALLATION
Smart design for fast and easy installation



CORROSION PROTECTION
Hot-dip galvanized to ISO 1461



HIGH LOAD CAPACITY
Engineered for heavy-duty support



SUSTAINABLE SOLUTION
100% recyclable steel

CABLE TRAYS



Perforated and non-perforated trays for optimal cable support and ventilation.

WIRE MESH CABLE TRAYS



Lightweight and high-strength wire mesh trays for improved airflow and visibility.

CABLE LADDERS



Heavy-duty cable ladders for high load capacity and long span applications.

CABLE TRUNKING SYSTEMS



Enclosed trunking systems for cable protection, safety and a clean professional look.

CANTILEVER SYSTEMS



Strong cantilever arms for supporting cable trays on walls, columns and structural steel.

ACCESSORIES



A complete range of fittings, connectors and accessories for every installation need.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Material	Hot-Dip Galvanized Steel (S235JR – S355JR)
Coating	Hot-Dip Galvanized to EN ISO 1461
Coating Thickness	≥ 85 µm (Average)
Standards	IEC 61537, EN 10142, EN ISO 1461
Tray Thickness	0.8 mm – 2.5 mm
Width	50 mm – 1000 mm
Side Height	50 mm – 200 mm
Length	Standard 3000 mm
Load Capacity	Up to 300 kg/m (Depending on type)
Temperature Range	-40 °C to +150 °C
Finish	Silver (Galvanized) / Powder Coated (Optional)
Applications	Indoor / Outdoor / Industrial / Marine / Utility

KEY ADVANTAGES

- ✓ Superior corrosion resistance and long service life
- ✓ High mechanical strength and load capacity
- ✓ Modular design for flexibility and scalability
- ✓ Safe and secure cable routing
- ✓ Excellent ventilation for heat dissipation
- ✓ Compatible with all accessories
- ✓ Cost-effective and easy maintenance
- ✓ Compliant with international standards
- ✓ Suitable for indoor and outdoor use



APPLICATIONS

-  Industrial Plants
-  Commercial Buildings
-  Power & Substations
-  Oil & Gas Facilities
-  Marine & Offshore
-  Transportation & Infrastructure

SURFACE FINISH OPTIONS



COMPONENTS & FITTINGS



DESIGNED & MANUFACTURED IN ACCORDANCE WITH



CASK STEEL provides a complete range of earthing and lightning protection solutions designed to ensure safety, reliability and compliance for all types of structures and installations. Our systems are engineered for maximum performance, corrosion resistance and long-term durability.



MAXIMUM SAFETY
Effective protection against lightning strikes and electrical faults



CORROSION RESISTANT
Hot-dip galvanized steel for superior durability in all environments



COMPLIANT SYSTEMS
Designed to meet international standards and regulations



EASY INSTALLATION
Engineered for fast, reliable and secure installation



SUSTAINABLE SOLUTION
Long service life and 100% recyclable materials

OUR PRODUCT RANGE

EARTHING RODS



High-strength galvanized steel rods for deep and effective earthing.

EARTHING STRIPS & BARS



Copper bonded and galvanized strips for reliable earthing connections.

EARTHING CLAMPS



A wide range of clamps for secure and corrosion-resistant connections.

EARTHING PITS & ACCESSORIES



Inspection pits and accessories for safe and easy testing and maintenance.

LIGHTNING RODS & MASTS



High-performance air terminals for effective lightning interception.

DOWN CONDUCTORS



Galvanized down conductors for safe current discharge to the earthing system.

SURGE PROTECTION DEVICES



SPDs to protect electrical systems and equipment from surges.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Material	Hot-Dip Galvanized Steel (S235JR – S355JR)
Galvanization	Hot-Dip Galvanized to EN ISO 1461
Standards	IEC 62561, EN 62305, IEEE 80, NFPA 780
Earthing Resistance	≤ 10 Ohm (Depending on Soil Condition)
Rod Diameter	16 mm – 25 mm
Strip Thickness	3 mm – 10 mm
Strip Width	20 mm – 100 mm
Operating Temperature	-40 °C to +150 °C
Service Life	25+ Years
Application	Industrial / Commercial / Infrastructure / Utility

TYPICAL EARTHING SYSTEM INSTALLATION



APPLICATIONS

- Industrial Facilities
- Power Plants & Substations
- Telecommunication Towers
- Commercial Buildings
- Oil & Gas Installations
- Renewable Energy Plants
- Transportation & Infrastructure

KEY BENEFITS

- Ensures safety of people and equipment
- Protects structures from lightning damage
- Reduces risk of electrical faults and fire
- Maintains system reliability and uptime
- Low maintenance and long service life
- Compliant with international standards
- Cost-effective and sustainable solution

QUALITY GUARANTEE

All products are manufactured under strict quality control and tested for electrical continuity, mechanical strength and corrosion resistance.



EARTHING SYSTEM CONFIGURATIONS



RING EARTHING SYSTEM



RADIAL EARTHING SYSTEM



MESH EARTHING SYSTEM



FOUNDATION EARTHING SYSTEM

MATERIAL & FINISH



Hot-Dip Galvanized Steel

Excellent corrosion protection for all environments.

DESIGNED & MANUFACTURED IN ACCORDANCE WITH



IEC 62561



EN 62305



IEEE 80



NFPA 780



ISO 1461

TESTING & COMPLIANCE

- Electrical Continuity Test
- Coating Thickness Test
- Mechanical Strength Test
- Salt Spray Test (Corrosion)



ENGINEERED
FOR SAFETY



BUILT FOR
DURABILITY



TESTED FOR
RELIABILITY



COMPLIANT WITH
GLOBAL STANDARDS



SUSTAINABLE
BY DESIGN



www.casksteel.com
info@cask-industries.com



CASK STEEL Panel Boards and Switchgear Systems are engineered to deliver safe, efficient and reliable power distribution for industrial, commercial and infrastructure applications. Built with high-quality materials and advanced manufacturing, our solutions ensure maximum performance and long-term durability.

OUR SOLUTIONS

- ✓ Low Voltage Panel Boards (Up to 1000 V)
- ✓ Motor Control Centers (MCC)
- ✓ Power Distribution Boards (PDB)
- ✓ Main & Sub Main Distribution Boards
- ✓ Automatic Power Factor Correction Panels
- ✓ Synchronization & Changeover Panels
- ✓ Metering & Monitoring Panels
- ✓ Custom Solutions for Special Applications



MAXIMUM SAFETY
Designed for operator safety and protection



HIGH RELIABILITY
Engineered for continuous and reliable performance



TESTED & CERTIFIED
Compliant with international standards and regulations



MODULAR DESIGN
Flexible solutions for every project requirement



EASY INSTALLATION
User-friendly design for fast and secure installation



SUSTAINABLE
Long service life and recyclable materials



MAIN DISTRIBUTION BOARDS
Robust and reliable power distribution solutions.



MOTOR CONTROL CENTERS (MCC)
Centralized control and protection for motors and starters.



SUB MAIN DISTRIBUTION BOARDS
Efficient power distribution for substations and facilities.



AUTOMATIC POWER FACTOR CORRECTION PANELS
Optimize energy efficiency and reduce power losses.



SYNCHRONIZATION & CHANGEOVER PANELS
Seamless power transfer and system reliability.



METERING & MONITORING PANELS
Accurate measurement and smart energy monitoring.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Standard	IEC 61439-1, IEC 61439-2
Rated Voltage (Ue)	Up to 1000 V AC
Rated Current (In)	Up to 6300 A
Rated Short-time Withstand Current (Icw)	Up to 100 kA / 1 sec
Rated Peak Withstand Current (Ipk)	Up to 220 kA
Frequency	50 / 60 Hz
Degree of Protection	IP31 / IP41 / IP42 / IP54 (Optional)
Form of Separation	Form 1 / Form 2b / Form 3b / Form 4b
Internal Segregation	Up to Form 4b
Busbar Material	Copper / Aluminum
Surface Finish	Powder Coated RAL 7035 (Std.)
Operating Temperature	-5 °C to +40 °C
Application	Indoor / Outdoor (with enclosure)

KEY FEATURES

- ✓ High short-circuit withstand strength
- ✓ Modular and scalable design
- ✓ Easy access for operation and maintenance
- ✓ High-quality components from leading brands
- ✓ Advanced protection and control
- ✓ Custom engineering for project requirements
- ✓ Long service life with low maintenance
- ✓ Fully type-tested and certified assemblies



APPLICATIONS

- Industrial Plants
- Commercial Buildings
- Infrastructure & Utilities
- Oil & Gas Facilities
- Water & Wastewater Plants
- Renewable Energy Projects
- Data Centers
- Transportation & Airports

PRODUCT STANDARDS

- IEC 61439-1 / IEC 61439-2
- IEC 60529
- IEC 62208
- IEC 60947
- IEC 61000-6
- EN 61439-1 / EN 61439-2

QUALITY ASSURANCE

All panels are manufactured under a certified Quality Management System and undergo strict testing for:

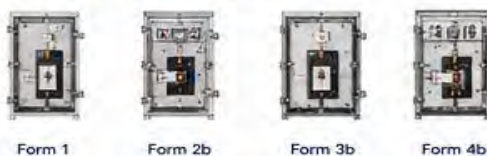
- ✓ Routine Tests
- ✓ Type Tests
- ✓ Special Tests (on request)
- ✓ Design Verification



TYPES OF ENCLOSURES



INTERNAL FORM OF SEPARATION



MAIN COMPONENTS

- MCCBs, ACBs, MCBs
- Contactors & Relays
- Busbars (Cu / Al)
- Measuring Instruments
- Protection & Control Devices
- Terminal Blocks & Accessories

Schneider Electric

ABB

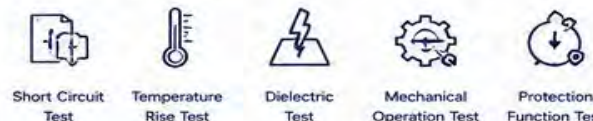
SIEMENS

EATON

LS ELECTRIC

CHNT

TESTING FACILITIES



ENGINEERED
TO PERFORM



BUILT FOR
DURABILITY



TESTED FOR
SAFETY



POWERING
YOUR FUTURE



TRUSTED
WORLDWIDE



www.casksteel.com



info@cask-industries.com



CASK STEEL Lighting Poles are designed and manufactured to provide safe, reliable and aesthetic lighting solutions for roads, highways, urban areas, industrial sites, ports, airports and large-scale projects. Our poles are engineered in accordance with international standards to ensure maximum strength, durability and long service life.



HIGH STRENGTH

Designed for extreme wind loads and heavy-duty applications



CORROSION PROTECTION

Hot-dip galvanized to ISO 1461 for long service life



SMART & EFFICIENT

Optimized for LED luminaires and smart city technologies



CUSTOM DESIGNS

Tailor-made solutions for every project requirement



CUSTOM DESIGNS

for every project



SUSTAINABLE SOLUTION

100% recyclable steel and environmentally responsible production

SINGLE ARM POLES



- Simple and cost-effective design
- Ideal for roads and streets
- Height: 4m – 14m

DOUBLE ARM POLES



- Balanced lighting distribution
- Suitable for wide roads
- Height: 6m – 16m

MULTI-ARM POLES



- High mast solutions
- Ideal for large areas and ports
- Height: 15m – 40m

DECORATIVE POLES



- Modern and aesthetic designs
- Suitable for urban and parks
- Height: 3m – 12m

HIGH MAST POLES



- High mast for large area lighting
- Ports, airports, stadiums
- Height: 20m – 45m

SOLAR LIGHTING POLES



- Integrated solar systems
- Off-grid and smart solutions
- Height: 4m – 10m

SPECIAL APPLICATION POLES



- Traffic, signage and gantry poles
- Custom engineered solutions
- Height: As per project

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Material	High Quality Steel (S235JR – S355JR)
Standard	EN 40 / ASTM A500 / ISO 9001
Height Range	3m – 45m (Custom heights available)
Wall Thickness	2.5 mm – 10 mm
Top Diameter	60 mm – 300 mm
Base Diameter	114 mm – 450 mm
Flange Thickness	8 mm – 30 mm
Base Plate	Square / Round / Polygonal
Surface Finish	Hot-Dip Galvanized to EN ISO 1461
Wind Load Resistance	Up to 160 km/h (Design as per project)
Application	Roads, Highways, Streets, Industrial, Ports, Airports, Parks, Smart City

POLE SHAPES



TYPICAL POLE STRUCTURE



APPLICATION AREAS

- Roads & Highways
- Urban & Residential Areas
- Industrial Facilities
- Ports & Harbors
- Airports & Runways
- Parks & Walkways
- Smart City & Infrastructure

FEATURES & BENEFITS

- ✓ High mechanical strength and stability
- ✓ Excellent corrosion resistance
- ✓ Long service life with low maintenance
- ✓ Custom designs for project requirements
- ✓ Optimized for LED and smart systems
- ✓ Easy installation and maintenance
- ✓ Compliant with international standards
- ✓ Sustainable and 100% recyclable

QUALITY ASSURANCE

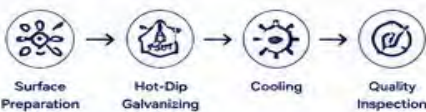
All poles are manufactured under a certified Quality Management System and tested for:

- ✓ Dimensional Accuracy
- ✓ Galvanization Thickness
- ✓ Mechanical Strength
- ✓ Wind Load Performance

POLE BASE OPTIONS



GALVANIZATION PROCESS



AVAILABLE FINISHES



DESIGNED & MANUFACTURED IN ACCORDANCE WITH





A DIVISION OF
CASK INDUSTRIES

**ENGINEERED
TO PERFORM.
BUILT TO LAST.**

Thank you for exploring
our catalogue.
We look forward to
building strong and
lasting partnerships
and delivering steel
solutions that power
a better future.

THANK YOU

FOR YOUR INTEREST IN CASK STEEL



At CASK STEEL, we are committed to continuous improvement,
innovation and delivering high-quality steel solutions
that exceed expectations.

YOUR PROJECTS. OUR PASSION. SHARED SUCCESS.



QUALITY

Uncompromising
quality in every
product we deliver.



RELIABILITY

Reliable performance
you can depend on,
every time.



PARTNERSHIP

We grow together
through trust,
transparency and respect.



INNOVATION

Innovative solutions
engineered for
a smarter future.



SUSTAINABILITY

Sustainable practices
for a better planet
and future generations.



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MANUFACTURING EXCELLENCE

State-of-the-art manufacturing
facilities equipped with advanced
technology and skilled professionals.



BUILT TO INTERNATIONAL STANDARDS

ISO 9001 • ISO 14001 • ISO 45001
EN 1090 • ISO 3834 • CE Marking