



# CuprEon Copper Sections

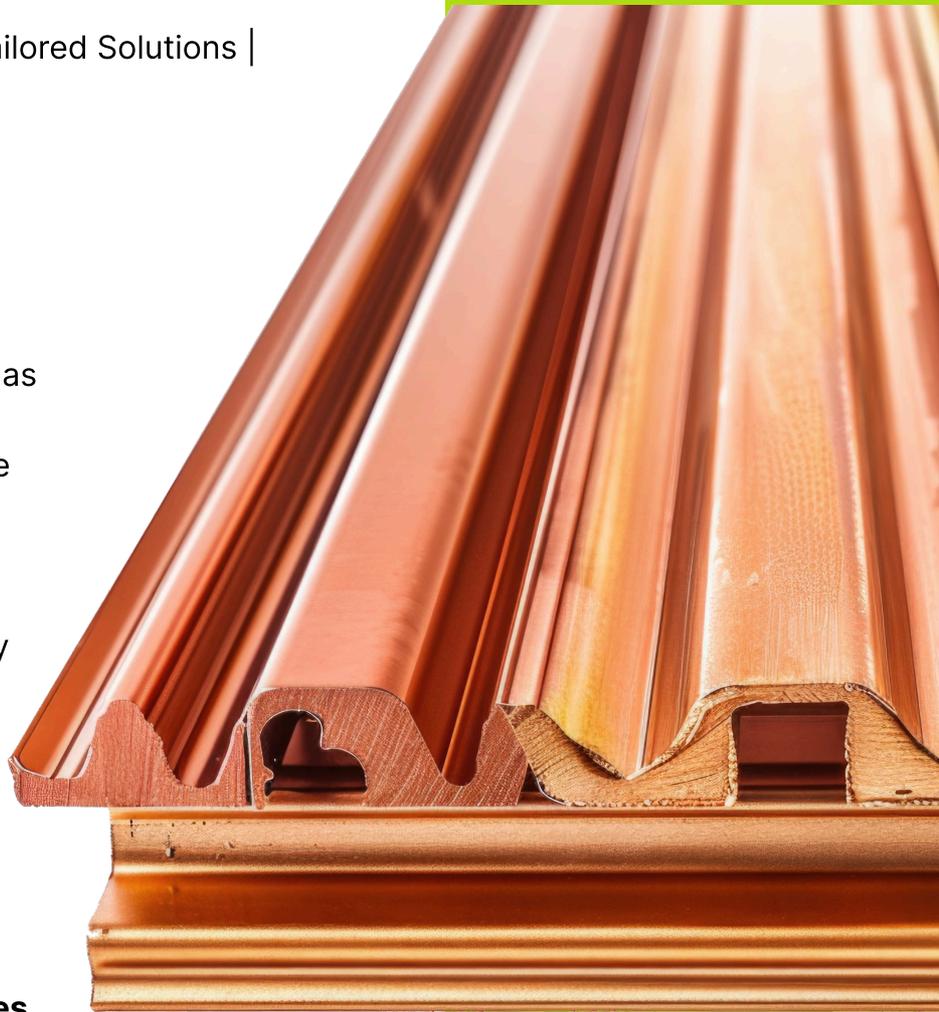
## Precision-Crafted Copper Profiles for Global Performance

30 Years of Engineering Expertise | Tailored Solutions |  
International Standards

### **ABOUT SK Impex Corporation**

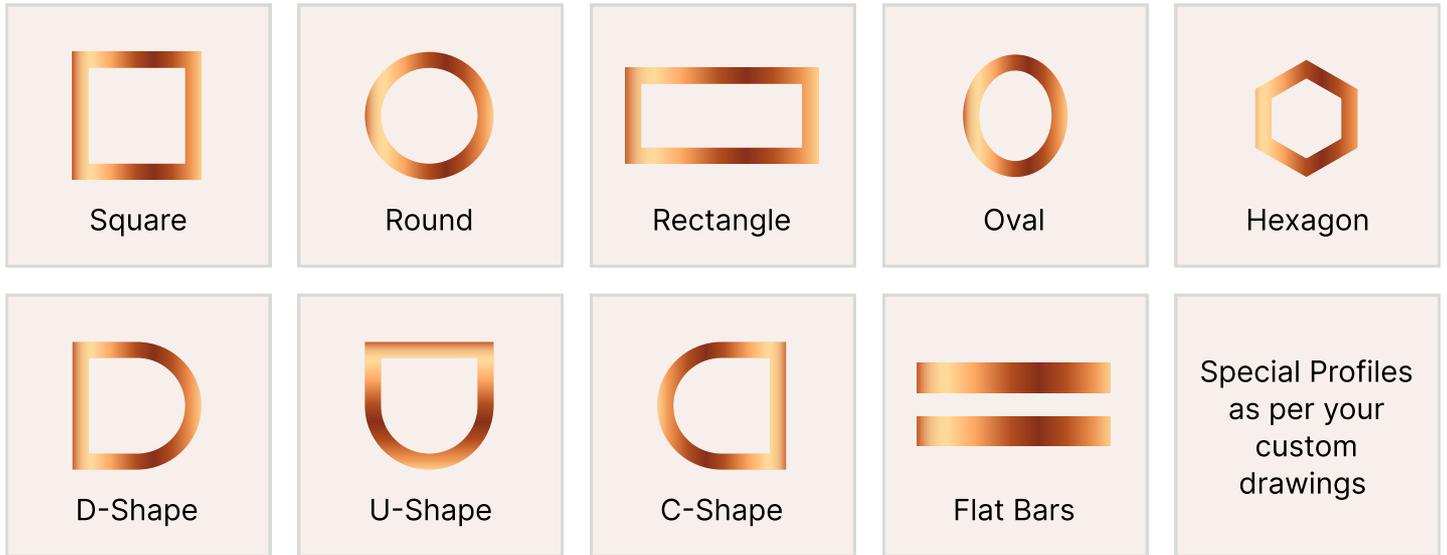
With over **30 years of copper manufacturing expertise**, SK Impex has built a reputation for **engineering excellence and product reliability**. We specialize and bring engineering excellence to the production of **CuprEon customized copper profiles** (sections). Our state-of-the-art facility produces a wide variety of solid and hollow shapes as per **international standards and customer-specific designs**.

We can supply **non-standard copper sections** tailored precisely to your requirements, including **custom shapes, temper conditions, finishes, and cut lengths**. Our profiles are deburred, degreased, and packed as per client specifications, ensuring ready-to-use performance globally.



# AVAILABLE SHAPES

We manufacture precision-drawn copper sections in the following standard shapes:



# GRADE OPTIONS

Grade	Technical Name	Description
EC	C11000	High conductivity copper for electrical & engineering
DHP	C12200	Corrosion-resistant, ideal for brazing and HVAC use
DLP	C12000	Good conductivity, moderate strength, versatile usage

# TECHNICAL SPECIFICATIONS

Parameter	Details
Outer Dimensions	6 mm to 150 mm
Wall Thickness	0.7 mm to 12 mm
Maximum Length	Up to 10 meters
Single Piece Weight	300 grams to 120 kilograms
Temper Options	R200 (Soft), R250 (Half Hard), R290 (Hard)
Surface Finish	Bright, Clean, Deburred, Degreased
Customization	Made to order (as per drawings)

# MECHANICAL PROPERTIES (BS EN 12449)

Temper	Hardness (HV5 VPN)	Tensile Strength (MPa)
R200 (Soft)	40 – 65	200
R250 (Half Hard)	70 – 100	250
R290 (Hard)	95 – 120	290

## STANDARDS COMPLIANCE

Standard	Region	Scope
IS 191 / IS 2501	India	Copper Tubes and Profiles
ASTM B187 / B152	USA	Copper Rods, Bars, Shapes & Profiles
JIS H3250	Japan	Wrought Copper and Copper-Alloy Products
EN 12167 / EN 12449	Europe	Copper and Copper Alloys for General Use

## APPLICATIONS OF COPPER PROFILES

-  Electrical Busbars & Terminals
  -  HVAC & Refrigeration Structural Frames
  -  Railway & Transport Components
  -  Battery Terminals & Heat Sinks
  -  Architectural Fittings, Door Handles, Decorative Rails
  -  Transformer & Switchgear Components
  -  Laboratory & Medical Equipment Parts
  -  Custom Fabricated Parts for OEMs and Assemblers
-  Ideal for industries including **automotive, power generation, renewable energy, HVAC, medical equipment, aerospace, and architectural systems.**

## **WHY CHOOSE CuprEon?**

- ✓ 30+ Years of Precision Manufacturing
- ✓ State-of-the-art Drawing & Profiling Machines
- ✓ Custom Engineering Based on Drawings & Specs
- ✓ Export-Ready Packaging and Prompt Delivery
- ✓ Multistandard Compliance (ASTM, IS, JIS, EN)

## **CONTACT US FOR YOUR REQUIREMENTS**



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