



IV SQUARE STRUCTURE
INDIA PVT LTD



About Us

IV SQUARE STRUCTURE INDIA PVT. LTD. Is an Indian company which works to uplift the world environment for a better future. Since Renewable Energy will be the future of world's energy supply as solar energy is one of the most potential renewable energy. MS steel and structure is most important role not only in solar structure but also in other infrastructure projects. With integrated manufacturing & expert design team we are a well competitive, Qualitative & reliable single source supplier for various type of steel sections with forming, bending etc. that can be used in a megawatt scale solar structure as well as other infrastructure projects. We believe in keeping the customers most satisfied and supply them with products at most competent price. With all the above facilities available in-house we efficiently support the sheet metal fabrication and sheet metal cutting process of the customers. Consequently, we have cemented our position amidst most reputed solar panel mounting structure manufacturers and Contractors. We are able to process complex profiles with ease as it is our specialty line.



We Provide,

C-Lip Section/ C Section /Z Section / L Section



	C-Lip	C-Sec	Z-Sec	L-Sec
Web	70-300mm	70-300mm	70-300mm	70-300mm
Flange	35-80mm	35-80mm	35-80mm	35-80mm
Lip	5-20mm	-	5-20mm	-
Thickness	0.9-3.2mm	0.9-3.2mm	0.9-3.2mm	0.9-3.2mm

Hat Section/ Hat Top Section



	Hat Sec	Hat Top Sec
Web	40mm	30-100mm
Flange	70 & 90mm	30 & 50 mm
Lip	10-15mm	-
Base	26mm	10-30mm
Thickness	0.8-1.6mm	1-3mm

Stud Channel (Plain/Slotted)



	Stud Channel
Web	41mm
Flange	21 & 41mm
Lip	10mm
Thickness	2-3mm

Fix Tilt Structure



Seasonal Tilt



Auto Tracking



Helical Anchors



☆ Helical Anchor Details Advantage, Application and more Details

● When are Helical Anchors used?

Helical anchors can be used to secure new foundations or repair existing ones. They're used for lighthouses, roads, rail, telecommunication, and in many other industries that require fast installation or building near existing structures. Signs, retaining structures, and masts are other common uses since they're suitable for compression as well as tensile loads.

The anchors can also be used to repair your property's existing foundation and cracked or leaning walls.

● What's a Helical Anchor?

A helical anchor, also known as a screw pile, screw anchor, or helical pile, is an extendable foundation system which consists of helically shaped steel plates that are attached to a central steel shaft with a round or square cross-section. The steel plates' thickness, number, diameter, and helices position are determined by the restrained or supported structure's minimum design life, the environmental corrosion and geotechnical parameters, and the design load requirements

Helical anchors are installed via rotation into the ground using hydraulic rotary attachments fitted to earth moving equipment. As a result, they don't require massive excavation work. The plates offer substantial pull-out resistance once they've advanced to a suitable depth. They then transfer the load from the steel shaft to the soil. Modern helical anchors have load capacities that exceed 2,000 kN.

● What are the Benefits of Helical Anchors?

A helical anchor offers numerous advantages, which include:

Ease of installation and removal

Installation in any weather condition and across restricted access sites

Reduces a project's carbon footprint

Saves time on projects

Reduces transport costs since there is little soil disturbance, so there's no need to carry excess soil from the site

There's little to no vibration

Reduces foundation costs



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OUR GROUP OF COMPANY

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