

GROUND MOUNT - PILE

- Screw Pile Series
 - Double Helical Screw Pile VSLX-N
 - Continuous Helical Screw Pile VSLX-Y
- Steel Post Series
 - H-Shape VS-HSP
 - Σ -Shape VS- Σ SP
 - C-Shape VS-CSP



Versol Pile Solution

Versolsolar provide you with two types of high cost-performance piles: screw pile and steel post pile. These two types are compatible with different geological conditions, complementing each other. The products have been proven in a number of well acclaimed global PV power plants.



15
YEARS
GUARANTEE
for produced system

30
YEARS
GUARANTEE
for designed system

Your Benefit

Green & environmental friendly

For Versol's piles, drilling is all it's needed, no excavation, no damage to environment and no pollution.

High adaptability

Our piles could be widely used in all kinds of geological conditions, such as foreshore, desert, grassland, conglomerate ground, etc. The installation is highly adaptable to all kinds of extreme climate and will not be affected by underground water or permafrost.

High cost performance

Good integrity and density, no cracking or collaring

Good load capacity

High quality hot-dip galvanized steel

60-80µm galvanized surface ensures highly corrosion resistant without additional treatment

High installation efficiency

Piling finishes in maximum 3 minutes

No amendment needed to the surrounding structures

Good mechanical properties

Professionally design which assures to meet the different mechanical requirements in different geologies and climate conditions.

Product Comparison

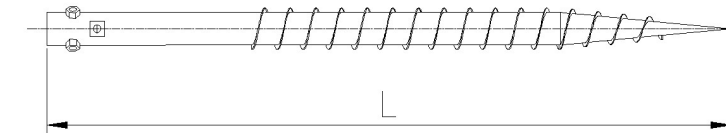
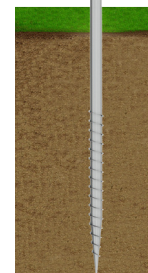
Difference	Screw Pile	Steel Post
Installation	Screw in	Hammer in
Load Bearing	Side friction & helical bearing	Side friction
Pile Shape	Helices	Steel profile
Installation Efficiency	Fast	Fast
Soil Condition	Soft soil, sand, beaches, mud, grassland	Hard soil, permafrost, Gobi gravel, grassland

Different choices of piles can be applied for different soil conditions, optimizing reliability & cost saving on material & installation.

Screw Pile Series

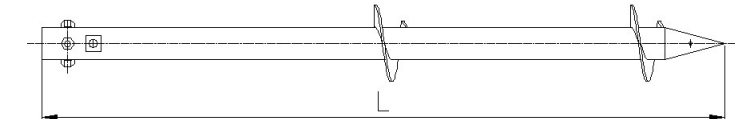
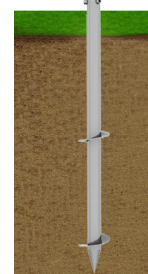
Without Flange Plate

Continuous Helical Screw Pile VSLX-Y Series



No.	OD.(mm)	Pile Wall Thickness	Nut Aperture	Helices	Material
VSLX-Y31:76	76mm	3.0-4.0mm	3-M16 evenly	Continuous	Hot-dip Galvanized Steel
VSLX-Y36: 88.9	88.9mm				
VSLX-Y40: 114	114mm				

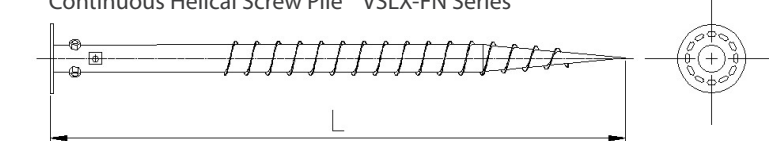
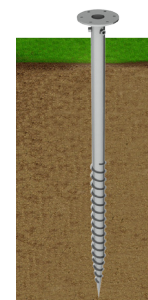
Double Helical Screw Pile VSLX-N Series



No.	OD.(mm)	Pile Wall Thickness	Nut Aperture	Helices	Material
VSLX-N31: 76	76mm	3.0-4.0mm	3-M16 evenly	Double	Hot-dip Galvanized Steel
VSLX-N31: 88.9	88.9mm				
VSLX-N31: 114	114mm				

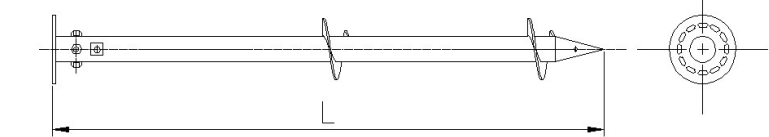
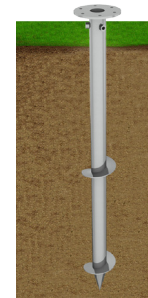
With Flange Plate

Continuous Helical Screw Pile VSLX-FN Series



No.	O.D.(mm)	Pile Wall Thickness	Flange O.D. (mm)	Helices	Material
VSLX-N31: 76	76mm	3.0-4.0mm	220 mm	Continuous	Hot-dip Galvanized Steel
VSLX-N36: 88.9	88.9mm				
VSLX-N40: 114	114mm				

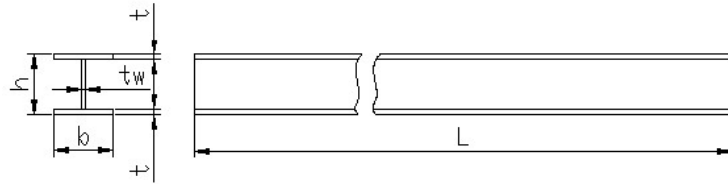
Double Helical Screw Pile VSLX-FN Series



No.	O.D.(mm)	Pile Wall Thickness	Flange O.D. (mm)	Helices	Material
VSLX-N31: 76	76mm	3.0-4.0mm	220 mm	Double	Hot-dip Galvanized Steel
VSLX-N36: 88.9	88.9mm				
VSLX-N40: 114	114mm				

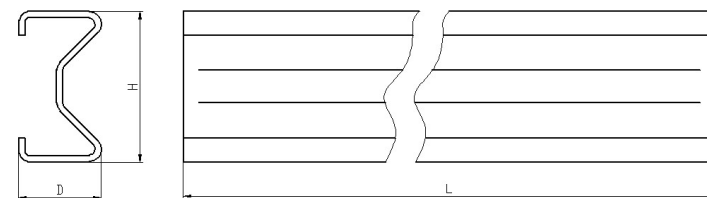
Small Section Steel Post Series

H Shape



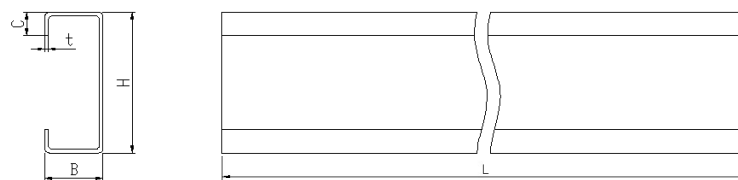
No.	Size (mm)	Material
VS-HSP-001	H 100×100×4.5×3.2	Hot-dip Galvanized Steel
VS-HSP-002	H 100×100×8×6	
VS-HSP-003	H 125×65×8×6	

Σ Shape



No.	Size (mm)	Material
VS-ΣSP-001	100×55×4	Hot-dip Galvanized Steel

C Shape



No.	Size (mm)	Material
VS-CSP-001	C120×30×20×3	Hot-dip Galvanized Steel
VS-CSP-002	C140×50×20×3	
VS-CSP-003	C160×50×20×3	

* Length varies according to different soil conditions.

* Versolsolar could also tailor the pile solution according to customer needs.

Testified Product Reliability

Versolsolar's pile series are all under strict quality control during production

All products are designed by professional engineers who can also provide solid project design & installation advice

All designs are testified on-site to ensure overall material optimization and high-cost performance.



Screw pile on-site testing



Steel post on-site testing



Pull-out behaviour testing



Displacement testing



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