

## FS Uno

- Maximum level of pre-fabrication
- No soil sealing
- Quick and simple mounting
- Perfectly harmonized system components
- High economic efficiency
- 5-year durability warranty



The FS open area mounting system has been deployed by Schletter for many years in a large number of projects across Germany and Europe.

All the experience gained in these projects was taken advantage of in this new design made of steel which resulted in an even more price-efficient way to mount solar modules. Especially in the sector of open area plants, the increasing cost-pressure makes an optimum material utilization unavoidable. With our the FS steel system, this principle was implemented uncompromisingly.



FS Uno  
Alignment to the  
south

On request, all potential for project-specific in-house prefabrication is utilized to reduce the mounting time on the construction site.

Two different designs of the one-support rack are available - the **FS Uno** can be aligned to the south, the **FS Uno-100** is used as an east-west rack. With both designs, the customer has the opportunity to determine the level of prefabrication himself.

### Benefits

- Efficient material utilization
- Wider support distances adapted to the terrain are possible
- Galvanized sheet metal edges made of strip galvanised material
- Average thickness of zinc layer up to 80µm



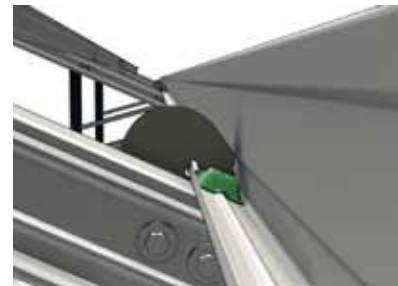
FS Uno-100  
Aligned both to  
the east and to  
the west



**Short description of the mounting procedure**

- Fasten the foundation head to the pile-driven foundation
- After that, fasten the girder to the foundation head with 2 screws.
- Unfold the strut and fasten it to the pile-driven foundation

The module-bearing profiles are hooked in using connector hooks and are fastened with a fastening device made of high-grade steel. For this purpose, the fastening device is accurately hammered in using a hammer in order to create a fixed connection with pre-stress. This safeguards durable stability also in difficult conditions.



**Technical data**

<b>Material</b>	Fastening elements, bolts: Hot-dip galvanized or high-grade steel (fastening device, bolts) Profiles: Steel, hot-dip galvanized Pile-driven foundations: Steel, hot-dip galvanized
<b>Logistics</b>	<ul style="list-style-type: none"> <li>• Delivery of single components as well as a maximum level of pre-assembly is possible.</li> <li>• Transport to the installation site appropriate to the specific kind of mounting</li> </ul>
<b>Construction</b>	<ul style="list-style-type: none"> <li>• Quick and easy mounting</li> </ul>
<b>Delivery and services</b>	<ul style="list-style-type: none"> <li>• Ground survey and structural analysis</li> <li>• Structural analysis of the individual rack based on regional data</li> <li>• Pile driving of the foundations and delivery of the complete mounting material</li> <li>• <b>Optional:</b> Rack mounting</li> <li>• <b>Optional:</b> Complete module assembly</li> </ul>
<b>Structural analysis</b>	<ul style="list-style-type: none"> <li>• Structural analysis of the respective terrain based upon a geological survey</li> <li>• Individual systems analysis based on regional load values</li> <li>• Load assumptions according to DIN 1055, part 4 (03/2006), part 5 (06/2005), part 100 (03/2001), Eurocode 1 (06/2002), DIN 4113, DIN 18800, Eurocode 9</li> <li>• DIN 4113, DIN 18800, Eurocode 9 and further respectively country-specific standards</li> <li>• Highly efficient, material-saving profile geometries</li> <li>• Structural verification of all construction components based on FEM-calculation</li> </ul>

Further information at [www.schletter.com.au](http://www.schletter.com.au)



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