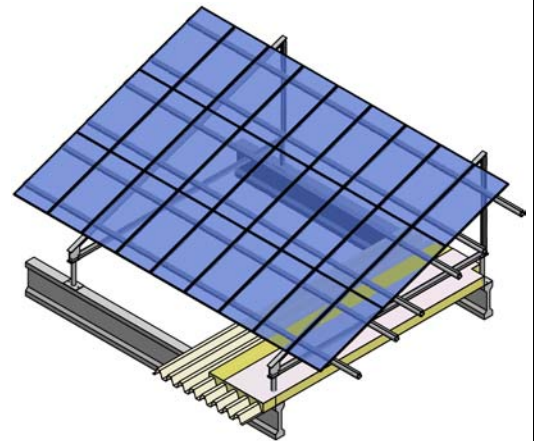


IsoTop

Perfect for big span lengths!



The construction kit for supporting structures on industrial foil roofs

- Minimal loading of the roof construction
- Minimal number of penetration points
- Complete system solutions available
- New fastening methods
- Project planning with software considering static features
- Complete project plans



Application area

Industrial foil roofs often consist of a substructure with big grid spaces (5 to 8 meters) and a relatively soft roof covering. The static features of the roofs and the allowed pressure loads of the insulation usually prevent any solutions with loading elements.

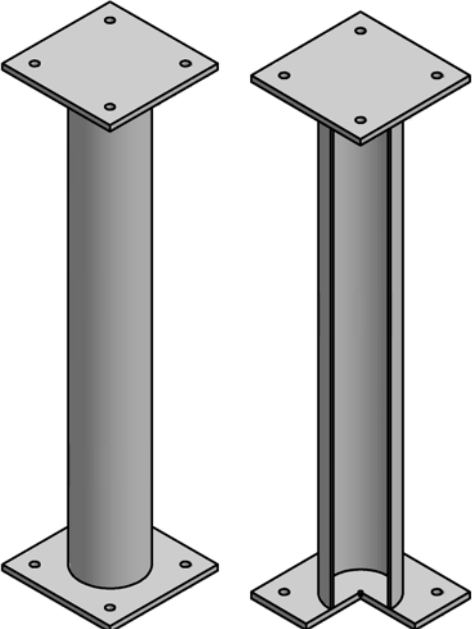
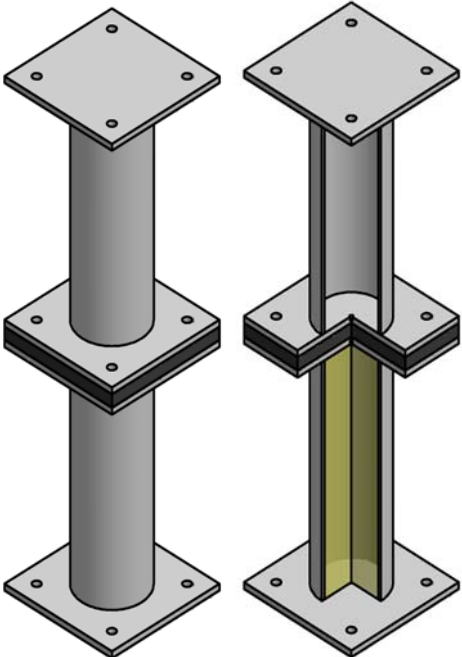
Schletter IsoTop© is **system construction kit** with details and solutions for supporting structures on industrial foil roofs. IsoTop offers a suitable solution for any roof – depending on the object either taken from the usual system construction kit or also complete special solutions. In the offering stage we offer you individual consulting for planning the supporting structure to reach an economic solution for the respective roof construction. Usually the constructions are optimised so that only few fastening points in big distances are necessary. The required drill holes can be welded by the roofer reliably and inexpensively; like this the liabilities are clearly separated.

- For the individual planning we work with complete software programs for the consideration and calculation of static features to be able to quickly and inexpensively offer solutions.
- A wide range of special profiles allows a suitable solution for any roof.
- As a qualified vendor of standard solar fastening technology with wide experiences in the metal construction area and welding licenses according to DIN 18800 we are the right partner for customized constructions, too.

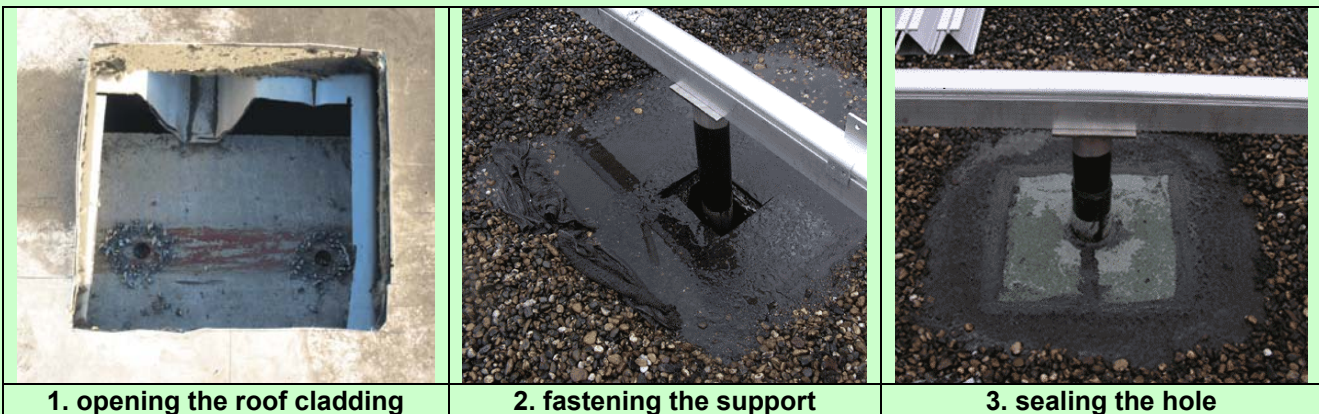
Hints for the static dimensioning

- Solutions with loading elements usually are out of the question because usually neither the roof substructure nor the roof covering can carry bigger additional loads.
- If you choose an IsoTop solution, the roof covering is normally not additionally loaded.
- In any case it has to be checked whether the substructure has a carrying capacity reserve to bear the weight of the mounting system and the modules additionally to the local snow load.

The penetration:

	<p>Penetration without insulation</p>	<ul style="list-style-type: none"> • Screwed to the primary supporting system of the building • The pipe is not insulated • Application for example on storage buildings • Material: high-grade steel • Also available with a rectangular pipe • Dimensioning depends on the project
	<p>Penetration with insulation</p>	<ul style="list-style-type: none"> • Screwed to the primary supporting system of the building • The pipe is insulated • Material: high-grade steel • Also available with a rectangular pipe • Dimensioning depends on the project

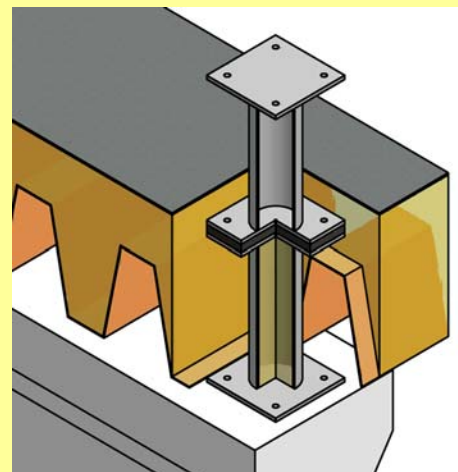
Mounting:



Examples for penetrations:



Schematic picture



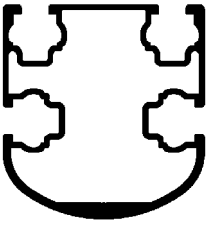
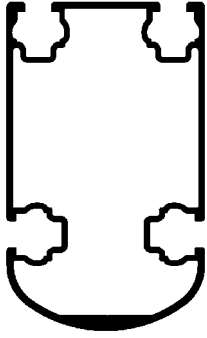
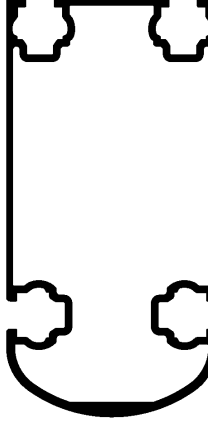


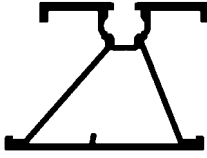
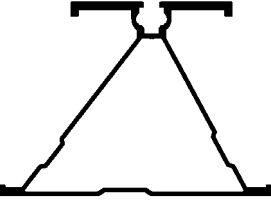
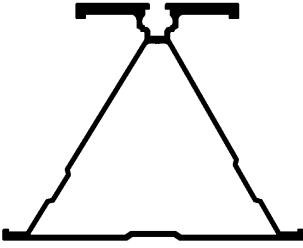
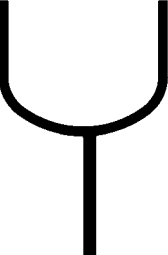

The supporting structure:

In most cases steel girders are not necessary because of our big range of available load distribution girders. So only aluminium is used for the supporting structure. Like this the self-weight of the structure is reduced to a minimum. Furthermore all components are compatible to each other. So IsoTop is a real construction kit system!

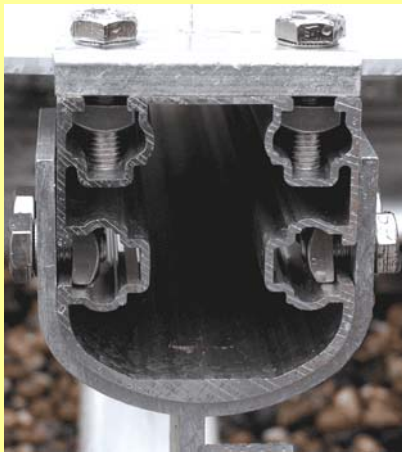
The girders carrying the modules can be clamped individually and have our well-proven **click-system**.

The system parts are connected with corresponding accessories.

The profiles:

...the load distribution girders			
			
...the module girders			
			
...the joint		...the clamp	
			

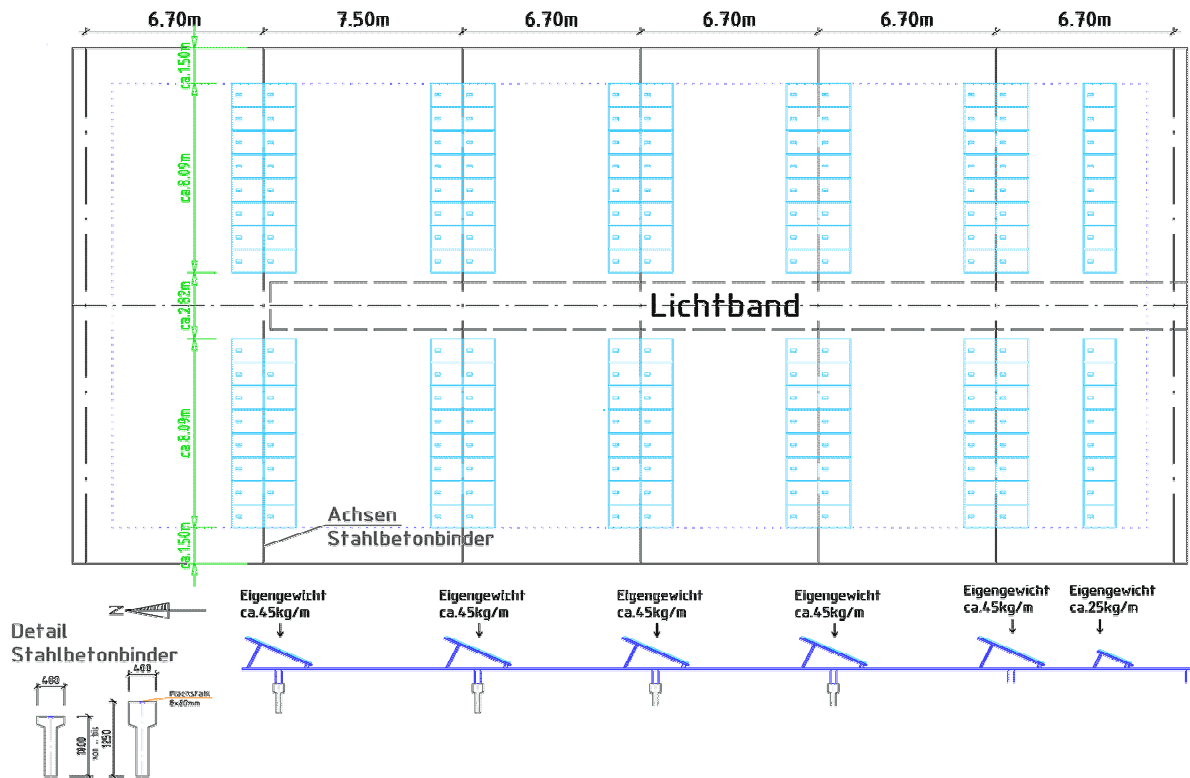
Examples for plants:



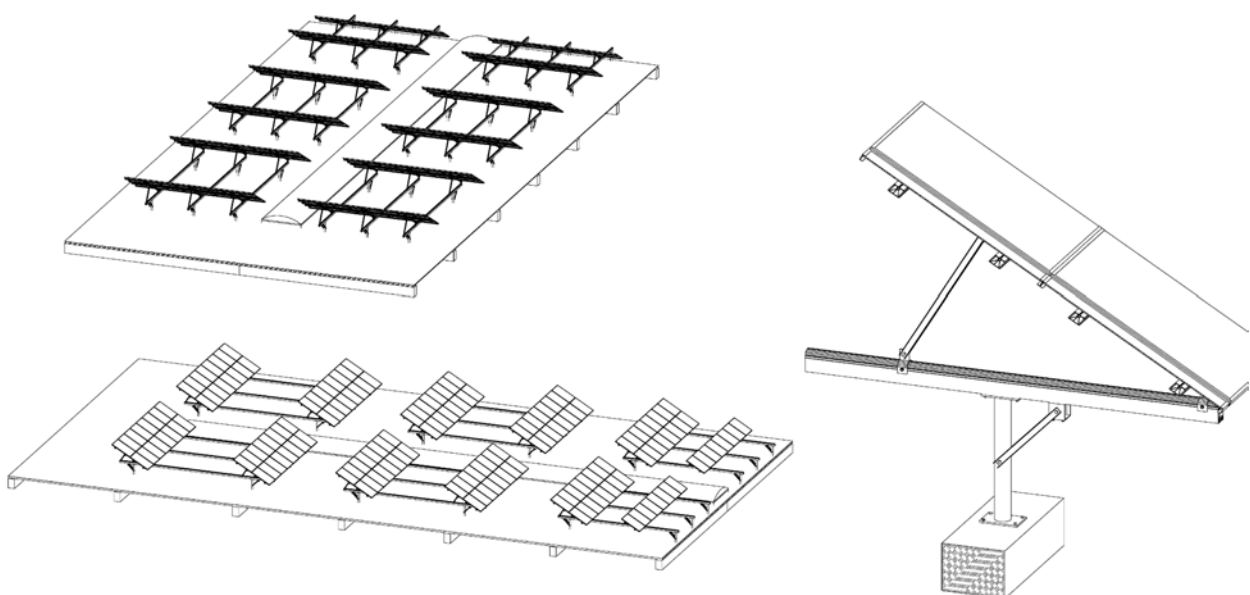
Example for the project planning process:

We want to recommend you the optimal system. Therefore we need a preliminary planning of your photovoltaic plant. Additionally we need specifications about the building (height, supporting structure) as well as details of the location (region, postal code, height above sea level, terrain,...).

A) Example for an inquiry



B) Finished elaborate plan



We would be happy to submit you an offer without engagement!