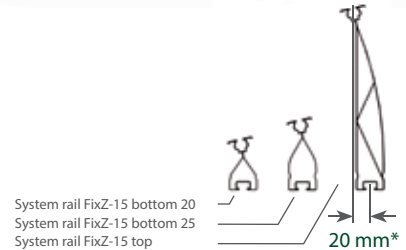


FixZ-15

Further development of our proven FixZ-7 system with an even steeper inclination angle

- Quick and easy assembly
- Better rear airing
- Better self-cleaning
- Higher yields
- Optimum load transmission into the roof cladding



With flat trapezoidal sheet metal roofs with an inclination of less than 10 degrees, a mounting of the modules parallel to the roof is not optimal due to the low yields and the insufficient self-cleaning of the solar modules. But in many cases, a normal inclination with supporting stands is not economic or structurally not possible due to the higher loads. Quite often, only low inclination angles are desired respectively feasible. Schletter **FixZ-15** provides a simple and inexpensive additional inclination for such difficult cases.

FixZ-15 allows an even steeper module angle of 11 to 15 degrees compared to the well-proven FixZ-7. Compared to an installation parallel to the roof, there will be no extra mounting effort with the **FixZ-15**.

Due to the minimum wind impact surface and an optimized geometry, there will only be slightly bigger loads impacting the roof. If you want to use sandwich elements, please consult the manufacturer respectively Schletter. In this case, a separate check of the load-bearing capacity of the roof may be required.

Mounting information

Please consider that the system is designed for module heights from about 1.3 m up to 1.7 m and setting angles from 11 – 15 degrees. For technical reasons, **FixZ-15** is only suitable for vertically arranged framed solar modules. Besides the upper (high) profile, there are two lower profiles available. Which one is to be used depends on the specifications by the module producer.

- System rail FixZ-15 bottom 20, for an engagement length of 20%
- System rail FixZ-15 bottom 25, for an engagement length of 21-25%

Please also consider the distances to the roof edges that have to be maintained on flat roofs (inclination < 5°) of 1.5 m to the sides and 1.2 m to the northern and the southern roof edge. With pitched roofs, these distances can be calculated on the basis of the DIN1055 (EC1) standard.

FixZ-15 must not be used in combination with SingleFix-V! In this case, Fix2000 is the ideal fastening solution.

Please also pay regard to our general information on roof mounting!

➔ Mounting and Project Planning



1 Mounting of the fasteners

The clamping points of the modules and the shade distance to the module rows must be maintained! *Consider the difference of 20 mm!

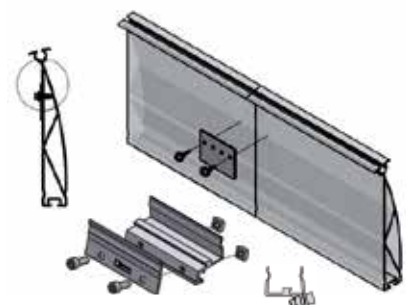


2 Mounting of the FixZ-15 cross beam rails

Connecting the rail joint (figure below)
Top: The connector plate is to be fastened with self-tapping screws
Bottom: Fastening of the E connector



3 Mounting of the modules



*The terms of guarantee can be referenced at www.schletter.de/AGB_en.



Technical data

Material	System profiles: Aluminium
Planning aid	Configuration and structural dimensioning with the AutoCalculator Easy resp. the Schletter Configurator.
Structural analysis	Structural analysis in accordance with current national standards (in Germany DIN EN 1991, EC1). Annexes for the structural dimensioning of the number of required fastening points. Always observe the structural analysis information!
System structure	<p>Distance according to module height Rows according to shade distance</p> <p>System rail FixZ-15 bottom 20 System rail FixZ-15 top</p> <p>System rail FixZ-15 bottom 25</p>

Conclusion

Schletter solar mounting systems have been designed as an economic and practical mounting solution and are suitable for module mounting in almost any conditions.

With our FixZ-15 you save both working hours and labor costs:

- It only takes a few work steps to assemble the system
- The optimized module angle leads to higher yields
- A self-cleaning effect is possible even on very flat roofs

**Our team will be happy to assist you with any specific enquiries!
Further information at www.schletter.eu**