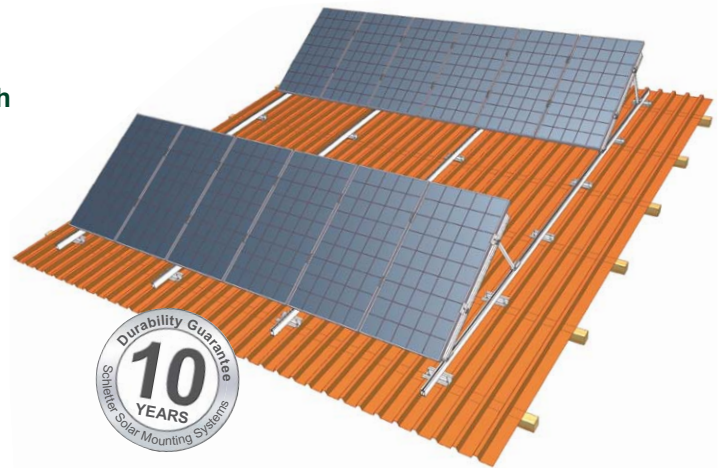




CompactVario

The flexible elevation for (almost) any span width

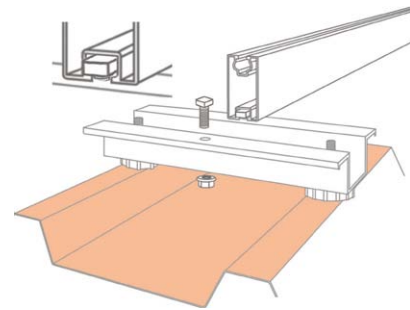
- Can be mounted swiftly and easily
- Program - generated statics calculations
- Optimum load transfer even with big purlin distances



Description

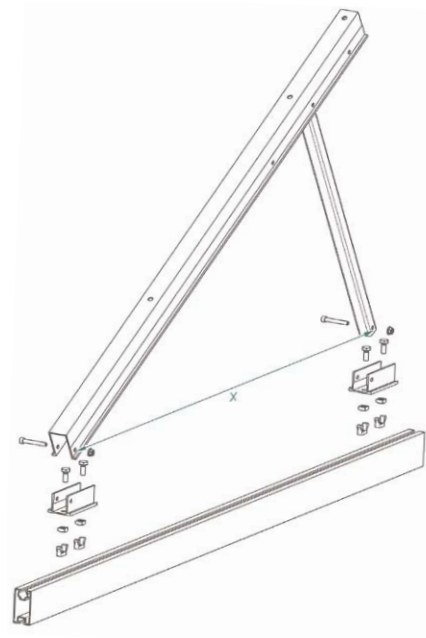
The fastening system Schletter CompactVario© is a very flexible elevation system for the area of flat roofs and pitched roofs, especially to bridge bigger purlin distances.

As distribution girders in north-south-direction a complete series of double groove profiles from DN0 to DN2,5 is available, so that for any case of assembly, respectively for any span width, the most economic solution can be assembled. The design of this construction is designed in such a way that no drillings at all have to be made on the construction site! A wide range of fastening elements for different roof systems is available. Please also consider our product sheets FixT (trapezoidal und sandwich roofs), FixE (Eternit roofs), for example.



Application hints

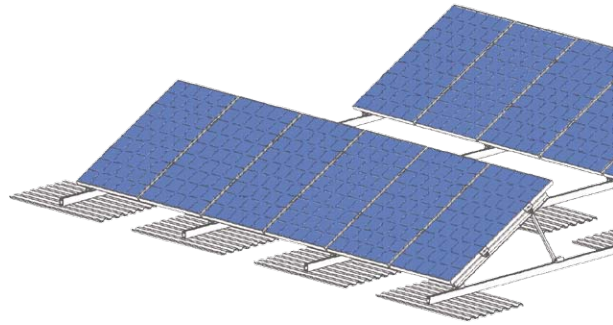
The base profile (DN) has grooves. In this case the lower groove is used for the connection to the fastener (sheet metal clamps, FixT, FixE, Fix 2000, etc.). The fittings for support fixation are mounted at the upper groove. The fastening of the modules is carried out with the usual components from our unit assembly system.






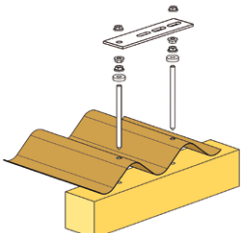
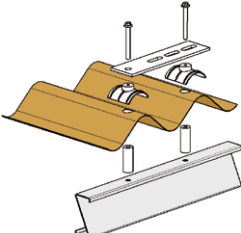
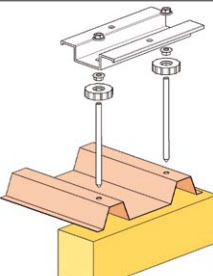
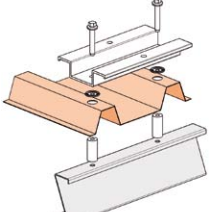


Fastening by loading

Flat roof plants that are designed without a perforation of the roof covering have to be secured by sufficient loads against wind suction, tilting and sliding. Also in this respect, the CompactVario system offers considerable advantages, as due to the favourable geometry only considerably lesser loadings are required than in case of single row arrangements.



Technical data

<p>Material</p>	<p>Fastening elements are selected acc. to the roof covering, the stability of the fastening elements mainly depends on the purlin distances. Bottom beams (aluminium) are determined acc. to the span width (DN0 to DN2.5). Support attachments are fixed to the bottom beams in a freely shiftable manner.</p>																											
<p>Statics</p>	<p>Statics – project planning program acc. to DIN 1055, part 4, part 5, EC1, EC3 Each plant can be statically calculated with individual parameters (local roof height, wind loads, snow loads); a special statics programme helps choosing the most cost-efficient profile and the most suitable connection to the substructure and optionally determines the power vectors at the points of load application for the integration in the building statics.</p>																											
<p>Bottom beams Examples</p>	<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <table border="1" data-bbox="483 1024 682 1113"> <thead> <tr> <th>DN0</th> <th>w</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>40</td> <td>40</td> </tr> <tr> <td>inches</td> <td>1,57</td> <td>1,57</td> </tr> </tbody> </table> </div> <div style="text-align: center;">  <table border="1" data-bbox="820 1024 1018 1113"> <thead> <tr> <th>DN1</th> <th>w</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>40</td> <td>80</td> </tr> <tr> <td>inches</td> <td>1,57</td> <td>3,15</td> </tr> </tbody> </table> </div> <div style="text-align: center;">  <table border="1" data-bbox="1161 1024 1359 1113"> <thead> <tr> <th>DN2,5</th> <th>w</th> <th>h</th> </tr> </thead> <tbody> <tr> <td>mm</td> <td>50</td> <td>110</td> </tr> <tr> <td>inches</td> <td>1,97</td> <td>4,33</td> </tr> </tbody> </table> </div> </div> <p>The lower side of the mounting beam is designed as a shift groove for bolted connections M10. There is a click groove at the upper side. A square nut M10 is clicked into this click groove by means of the Klick component, then the supports or other connection elements are screwed on this square nut.</p>	DN0	w	h	mm	40	40	inches	1,57	1,57	DN1	w	h	mm	40	80	inches	1,57	3,15	DN2,5	w	h	mm	50	110	inches	1,97	4,33
DN0	w	h																										
mm	40	40																										
inches	1,57	1,57																										
DN1	w	h																										
mm	40	80																										
inches	1,57	3,15																										
DN2,5	w	h																										
mm	50	110																										
inches	1,97	4,33																										
<p>Connector Examples</p> <p>Double-corrugated roof kit FixE FixT wood/steel Sheet metal clamps Roof hooks etc.</p>	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Double corrugated roof kit</p> </div> <div style="text-align: center;">  <p>FixE steel</p> </div> <div style="text-align: center;">  <p>FixT wood</p> </div> <div style="text-align: center;">  <p>FixT steel</p> </div> </div> <p>Please also pay regard to our product sheets FixT, CompactVario, sheet metal clamps overview.</p>																											