

Authorized Agent:



香港可再生能源有限公司  
Hong Kong Renewable Energy Co. Ltd.

## CompactVario

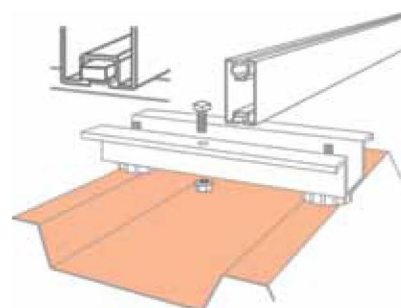
The flexible elevation for (almost) any span width

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

### Description

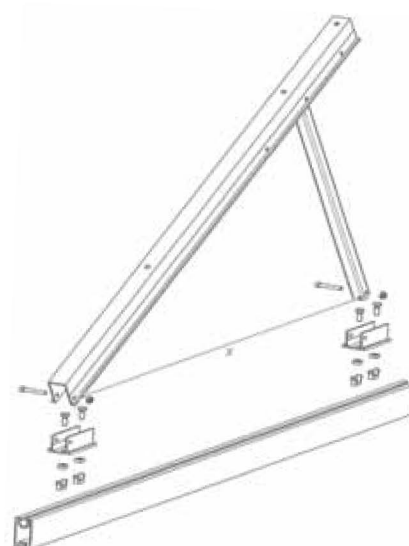
The fastening system Schletter CompactVario is a very flexible elevation system for the area of flat roofs and pitched roofs, especially to bridge bigger purlin distances.

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.



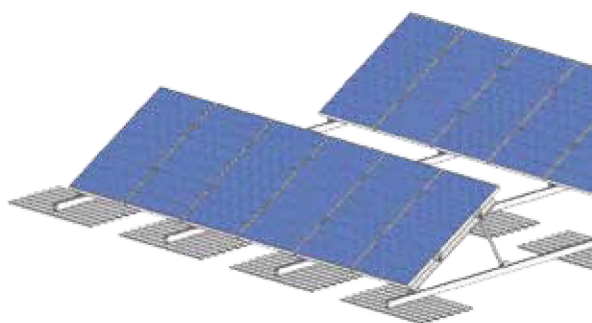
### Application hints

The base profile (DN) has grooves. In this case the lower groove is used for the connection to the connector (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.




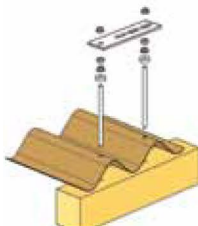
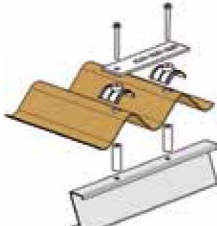
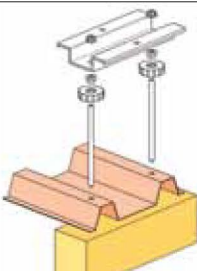
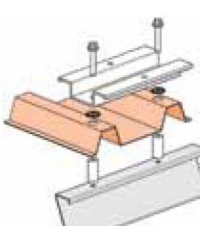


## Fastening by loading

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 loads are required than in case of single row arrangements.



## Technical data

<b>Material</b>	<p>Fastening elements are selected acc. to the roof covering, the stability of the fastening elements mainly depends on the purlin distances.</p> <p>Bottom beams (aluminium) are determined acc. to the span width (DN0 to DN2.5).</p> <p>Support attachments are fixed to the bottom beams in a freely shiftable manner.</p>																											
<b>Statics</b>	<p><b>Statics – project planning program acc. to DIN 1055, part 4, part 5, EC1, EC3</b></p> <p>Each plant can be structurally analyzed by means of individual parameters (local roof height, wind loads, snow loads); a special structural analysis program 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>																											
<b>Bottom beam examples</b>	<div><div><table><tr><th>DN0</th><th>w</th><th>h</th></tr><tr><td>mm</td><td>40</td><td>40</td></tr><tr><td>inches</td><td>1.57</td><td>1.57</td></tr></table></div><div><table><tr><th>DN1</th><th>w</th><th>h</th></tr><tr><td>mm</td><td>40</td><td>80</td></tr><tr><td>inches</td><td>1.57</td><td>3.15</td></tr></table></div><div><table><tr><th>DN2,5</th><th>w</th><th>h</th></tr><tr><td>mm</td><td>50</td><td>110</td></tr><tr><td>inches</td><td>1.97</td><td>4.33</td></tr></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																										
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inches	1.57	3.15																										
DN2,5	w	h																										
mm	50	110																										
inches	1.97	4.33																										
<b>Connector examples</b>	<div><div><p>Double corrugated roof kit</p></div><div><p>FixE steel</p></div><div><p>FixT wood</p></div><div><p>FixT steel</p></div></div> <p>Please also pay regard to our product sheets FixT, CompactVario, sheet metal clamps overview.</p>																											

All system prices can be calculated comfortably and quickly with our auto-calculator!

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