RIB-ROOF SPEED 500

zAmbelli

SIMPLY COVERING FUNCTIONS

MADE IN GERMANY

RIB-ROOF SPEED 500

CONVINCING IN DESIGN AND FUNCTION

RIB-ROOF metal roofing systems stand for high functionality and safety. Our products save time, costs and problems as we emphasize handling and use. RIB-ROOF Speed 500 follows these basic ideas, gaining experience and developing further designs. By focusing on our principles, we have developed a design which satisfies both visually and functionally. The slim and round shaped profiled sheet seam makes RIB-ROOF Speed 500 creative and interesting.
Of course, RIB-ROOF Speed 500 offers Zambelli's simple and time saving installation technique. A safe roof cover is guaranteed in the long term by an excellent sliding ability and stable profile sheet connection. RIB-ROOF Speed 500 proves that a sophisticated technique does not have to be complicated but also can be good-looking.

Convincing design!

- ✔ Offering design options both in roof appearance and material choices
- ✔ Standard panel width : 500 mm

Proven functionality!

- ✔ Suitable for all roof build-ups and substructures
- ✔ Installation possible for roof pitches up from 1,5°
- ✔ Diverse shapes of profiled sheets up to 33m, rollforming aside is also possible

Clever technique!

- ✔ Stable profiled sheet connection without any zipping or crimping
- ✔ No time consuming traditional halter lay out required
- ✔ Excellent sliding ability by our innovative directional clip
- ✔ Simple and time-saving installation: positions of clips is determined by the profiled sheet, place clips, swivel profiled sheet and lock-into-place
- ✔ Unique male and female inter-locking seam
- ✔ Installation without transversal joint

FILM OF INSTALLATION PRINCIPLE RIB-ROOF SPEED 500

Discover within two minutes how to install RIB-ROOF Speed 500.
Direct link for smartphones, which are QR-capable, or on the Internet
http://install-movies-speed500.zambelli.de

FILM OF MOBILE ROLLFORMING

Discover how smoothly the production of profiled sheets with lengths over 33 m works on site by means of our mobile rollforming machines. Direct link for smartphones, which are QR-capable, or on the Internet
http://mobile-rollforming.zambelli.de

RIB-ROOF SPEED 500

INSTALLATION WITH SLIDING CLIPS

STRAIGHT PROFILED SHEETS WITH STANDARD CLIP/DIRECTIONAL CLIP

FILM OF INSTALLATION PRINCIPLE RIB-ROOF SLIDING STANDING SEAM ROOFING WITH DIRECTIONAL CLIPS ON WOODEN LATHING

Discover how the directional clip sets the direction for a linear expansion. Direct link for smartphones, which are QR-capable, or on the Internet http://sliding-standing-seam-roofing.zambelli.de

Film of installation principle RIB-ROOF SPEED 500

Discover within two minutes how to install RIB-ROOF Speed 500 with straight profiled sheets and standard clips. http://install-speed500.zambelli.de

1. Place the first row of clips

Align the clips (fixing elements) along the verge and fasten them with rivets or screws which are approved by Building Authorities on the substructure. Additional pre-assembling isn't necessary. The clip distances depend on data specifically for each building and wind load. Please pay attention to the fact that clips have to be fastened only with screws which are fully-threaded.

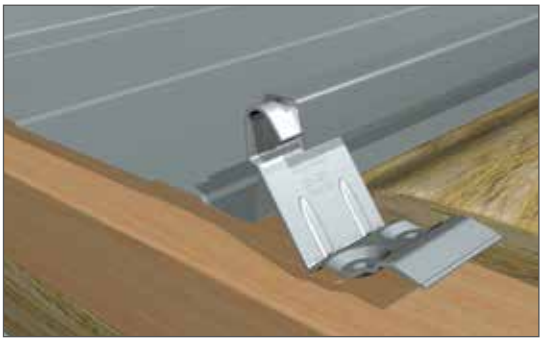
2. Insert the first profiled sheet and place next row of clips

Push the small rib of the first profiled sheet into the clips. Then swivel the profiled sheet onto the substructure. Each profiled sheet is going to be secured with a fixed point in order to avoid sliding.

The folding up (only possible with RIB-ROOF Speed 500) or down of bottom booms can be done either at our factory or on site.

The position of the sliding clips (standard clips/directional clips) is determined by the profiled sheet width.

The position of the next row of clips results from the width of the profiled sheet. Therefore, pre-assembling and aligning of clips by means of plumb lines isn't necessary. Insert the sliding clip with a simple turn of the hand into the large rib. Then swivel, click into the rib and fasten it on the substructure.



The sliding clip clicks into the rib and now, it can be fastened.

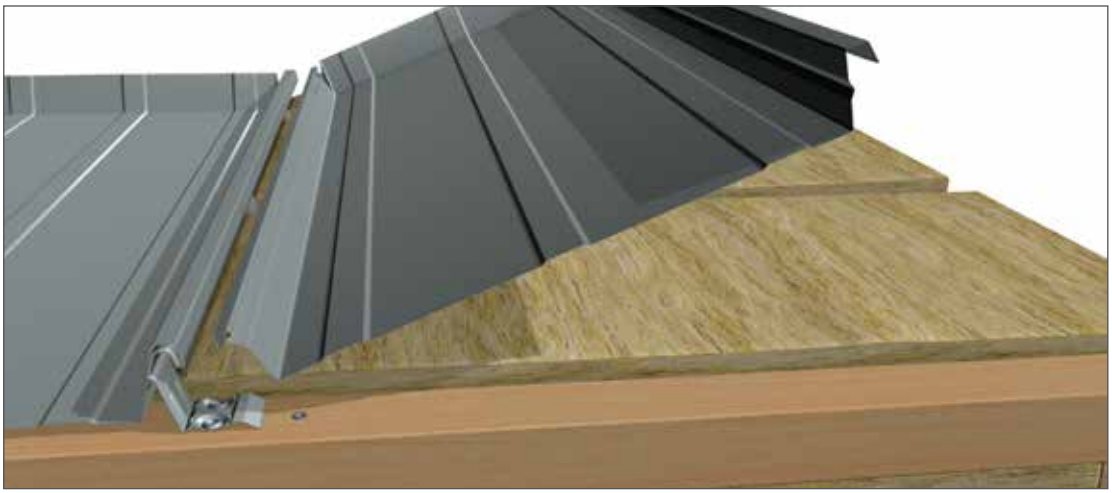
RIB-ROOF SPEED 500

INSTALLATION TECHNIQUE

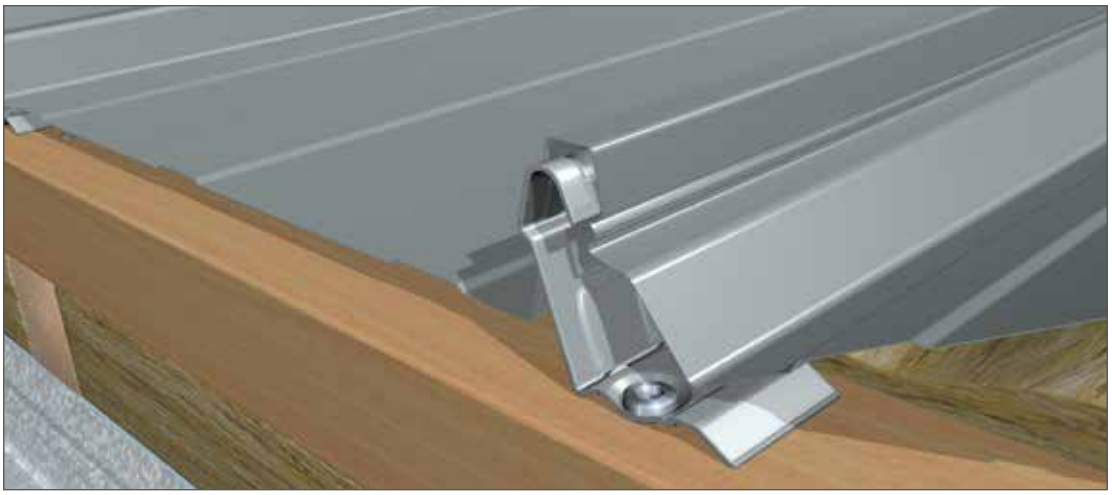
3. Insert the next profiled sheet

Swivel the next profiled sheet with its small rib under the clip and the large seam. Then swivel downwards and click-into-place (clip). Time-consuming zipping of profiled sheets isn't necessary.

RIB-ROOF Evolution and RIB-ROOF Speed 500 are reinforced in the eaves by joining the bottom booms to an eaves angle.



The second profiled sheet is swivelled under the sliding clip...

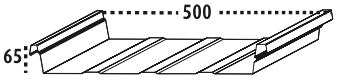
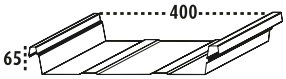
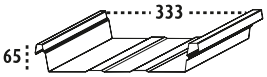


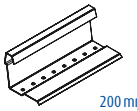
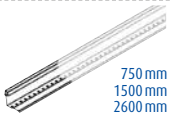
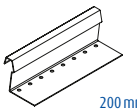
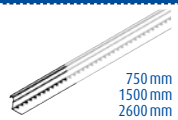
... and through the clicking-into-place mechanism, a permanent profiled sheet connection is guaranteed.

If the RIB-ROOF Speed 500 profiled sheets eventually have to be opened after installation (e.g. when fitting in roof penetrations later), you can do so by using a wedge out of hard plastics (available from Zambelli).

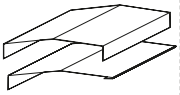
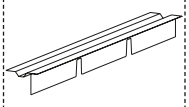
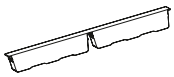
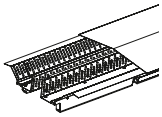
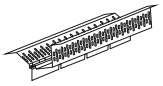
Standard construction width = 500 mm; special construction widths of profiled sheet possible!

straight | tapered | convex curved | concave curved | tapered convex curved | tapered concave curved

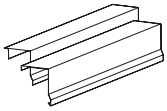
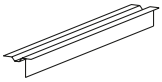
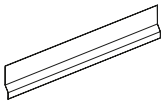
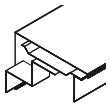
Profiled sheet standard construction width 500 mm	Special construction width of profiled sheet 400 mm	Special construction width of profiled sheet 333 mm
		

Standard clip	Directional clip	Directional profile	Flat clip border
	 200 mm	 750 mm 1500 mm 2600 mm	
Turned clip	**Turned directional clip**	**Turned directional profile**	**Perforated clip border**
	 200 mm	 750 mm 1500 mm 2600 mm	

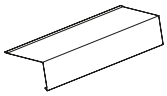
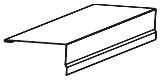
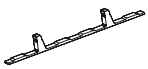
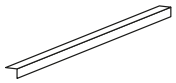
Ridge

Ridge cap	Closure	Profile filler, top side	Ventilation ridge cap	Ventilation closure
				

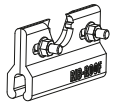
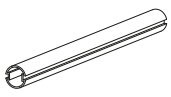
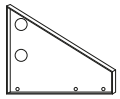
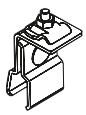
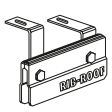
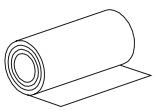
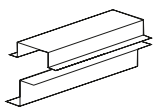
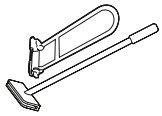
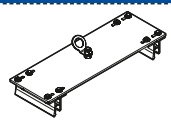
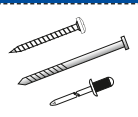
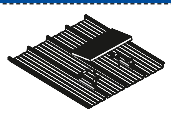
Verge

Cover sheet for verge	Suspended profile	Stopping plate	Variable cover sheet for verge
			

Eaves

Gutter inlet sheet	Eaves panel	Profile filler, rear side	Eaves angle
			

Accessories

Snow guard bracket	Snow guard pipe with groove	Solar pipe with groove	Pipe connector	Ice stopper	Snow guard raising element
					
Solar bracket	**Bracket for lightning protection**	**Tread support**	**Coil material**	**Flashings**	**Tools for profiled sheets**
					
Fall arrest system	**screws**	**Walkway**	**Soaker**	**Bezel**	**Sanitarian vent conical**
					

DELIVERY PROGRAM

TAPERED, CURVED, TAPERED CURVED PROFILED SHEETS

TAPERED PROFILED SHEETS

RIB-ROOF Speed 500 profiled sheets are also available tapered, curved or tapered curved. Tapered profiled sheets with a minimum construction width 230mm and a maximum of 500 mm are executable. Apart from the standard width 500 mm, we are prepared to manufacture other construction widths on request e.g.333mm, 400 mm or up to 600 mm as a maximum.

CURVED PROFILED SHEETS

Depending on the material and material thickness (t in mm), the following minimum bending radii have to be observed when curving with machines :

Minimum bending radii with RIB-ROOF Speed 500

Material	Material thickness t	convex ⌒ Radius	concave ⌣ Radius
	[mm]	[m]	[m]
Steel	0.63	4.00	10.00
Aluminium	1.00	1.00	10.00
Aluminium	0.90	5.00	10.00
Aluminium	0.80	10.00	-
Titanium zinc	1.00	on request	on request
Copper	0.60	on request	on request

Table of minimum bending radii

Please contact us in advance if you intend to order curved profiled sheets with low bending radii. **RIB-ROOF Speed 500 profiled sheets** with a radius over 100 m will be curved without any machines but forced-curved and installed with standard clips. Turned clips have to be used with radii less than 100 m (installation direction is from right to left).

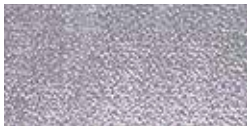
MATERIAL AND SURFACE SELECTION

TAKE ADVANTAGE OF DIVERSITY

The materials and colours shown below are on stock.

MATERIALS

Aluminium
mill finish / stucco-embossed 0.7 / 1.0 mm



Aluminium
mill finish / stucco-embossed,
protective plating on both sides 1.0 mm

Alu-zinc
steel sheet with alu-zinc alloy
corrosion protection class III 0.63 mm

Titanium zinc VMZINC
mill finish / pre-weathered 0.7 / 0.8 / 1.0 mm

Copper KME
TECU® 0.6 mm

SPECIAL SURFACES

Special colours and surfaces are on request available, e.g. in aluminium:

Patina Look

Zinc Look
Delivery is effected with protective foil.

Stucco-embossed Patina Matt

AluNatur
Available in many colour variations.

We are also prepared to deliver other colour-coatings, materials, thicknesses, and lacquer qualities subject to certain amounts and adequate delivery times. Price on request.

COLOUR-COATINGS

RAL 3009 oxide red	**Steel** sheet galvanised, polyester coated 0.63 mm **Aluminium** polyester coated 0.7 mm
RAL 6005 moss green	**Steel** sheet galvanised, polyester coated 0.63 mm
RAL 7016 anthracite grey	**Steel** sheet galvanised, polyester coated 0.63 mm **Aluminium** polyester coated 0.7 mm
RAL 7024 graphite grey	**Steel** sheet galvanised, polyester coated 0.63 mm **Aluminium** polyester coated 0.7 mm
RAL 7037 dust grey	**Steel** sheet galvanised, polyester coated 0.63 mm
RAL 8004 copper brown	**Steel** sheet galvanised, polyester coated 0.63 mm **Aluminium** polyester coated 0.7 mm
RAL 8014 sepia brown	**Aluminium** polyester coated 0.7 mm
Testa di Moro	**Steel** sheet galvanised, polyester coated 0.63 mm
RAL 9002 grey white	**Steel** sheet galvanised, polyester coated 0.63 mm
RAL 9006 white aluminium	**Steel** sheet galvanised, polyester coated 0.63 mm **Aluminium** polyester coated 0.7 / 1.0 mm
RAL 9007 grey aluminium	**Steel** sheet galvanised, polyester coated 0.63 mm **Aluminium** polyester coated 0.7 / 1.0 mm

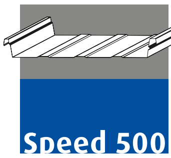
Images are similar to RAL colours

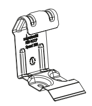
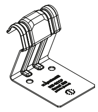
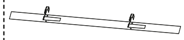
Aluminium mill finish, coated on both sides,
Steel sheet, galvanised coated on both sides

Colour coating on both sides:
Front side 25 µm in RAL colours, rear side protective coating (light coloured)

2.9 SPANS/CLIP DISTANCES RIB-ROOF SPEED 500

2.9.1



Standard clip	Turned clip	Flat clip border	Perforated clip border
			

Wind loads according to DIN EN 1991-1-4/NA		Wind zone 1 inland			Wind zone 2 inland			Wind zone 3 inland			Wind zone 4 inland			
Material	Thickness (mm)	Clip distance (m) with H (standard area) $c_{pe,1}$= -1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	Clip distance (m) with H (standard area) $c_{pe,1}$= -1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	Clip distance (m) with H (standard area) $c_{pe,1}$= -1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	Clip distance (m) with H (standard area) $c_{pe,1}$= -1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	max. span limit for accessibility*
		Height of building h ≤ 10.00 m												
		q_p = 0.50 kN/m²			q_p = 0.65 kN/m²			q_p = 0.80 kN/m²			q_p = 0.95 kN/m²			
		w=-0.60 kN/m²	w=-1.00 kN/m²	w=-1.25 kN/m²	w=-0.78 kN/m²	w=-1.30 kN/m²	w=-1.63 kN/m²	w=-0.96 kN/m²	w=-1.60 kN/m²	w=-2.00 kN/m²	w=-1.14 kN/m²	w=-1.90 kN/m²	w=-2.38 kN/m²	
Steel	0.63	2.43 m	1.46 m	1.17 m	1.87 m	1.12 m	0.90 m	1.52 m	0.91 m	0.73 m	1.28 m	0.77 m	0.61 m	1.60 m
	0.75	2.95 m	1.77 m	1.42 m	2.27 m	1.36 m	1.09 m	1.84 m	1.11 m	0.89 m	1.55 m	0.93 m	0.75 m	2.40 m
Aluminium	0.70	1.92 m	1.15 m	0.92 m	1.47 m	0.88 m	0.71 m	1.20 m	0.72 m	0.58 m	1.01 m	0.61 m	0.48 m	1.20 m
	0.80	2.52 m	1.51 m	1.21 m	1.94 m	1.16 m	0.93 m	1.57 m	0.94 m	0.76 m	1.32 m	0.79 m	0.64 m	1.50 m
	0.90	2.87 m	1.72 m	1.38 m	2.21 m	1.32 m	1.06 m	1.79 m	1.08 m	0.86 m	1.51 m	0.91 m	0.72 m	1.70 m
	1.00	3.13 m	1.88 m	1.50 m	2.41 m	1.45 m	1.16 m	1.96 m	1.18 m	0.94 m	1.65 m	0.99 m	0.79 m	1.90 m
		Height of building h > 10.00 m ≤ 18.00 m												
		q_p = 0.65 kN/m²			q_p = 0.80 kN/m²			q_p = 0.95 kN/m²			q_p = 1.15 kN/m²			
		w=-0.78 kN/m²	w=-1.30 kN/m²	w=-1.63 kN/m²	w=-0.96 kN/m²	w=-1.60 kN/m²	w=-2.00 kN/m²	w=-1.14 kN/m²	w=-1.90 kN/m²	w=-2.38 kN/m²	w=-1.38 kN/m²	w=-2.30 kN/m²	w=-2.88 kN/m²	
Steel	0.63	1.87 m	1.12 m	0.90 m	1.52 m	0.91 m	0.73 m	1.28 m	0.77 m	0.61 m	1.06 m	0.63 m	0.51 m	1.60 m
	0.75	2.27 m	1.36 m	1.09 m	1.84 m	1.11 m	0.89 m	1.55 m	0.93 m	0.75 m	1.28 m	0.77 m	0.62 m	2.40 m
Aluminium	0.70	1.47 m	0.88 m	0.71 m	1.20 m	0.72 m	0.58 m	1.01 m	0.61 m	0.48 m	0.83 m	0.50 m	0.40 m	1.20 m
	0.80	1.94 m	1.16 m	0.93 m	1.57 m	0.94 m	0.76 m	1.32 m	0.79 m	0.64 m	1.09 m	0.66 m	0.53 m	1.50 m
	0.90	2.21 m	1.32 m	1.06 m	1.79 m	1.08 m	0.86 m	1.51 m	0.91 m	0.72 m	1.25 m	0.75 m	0.60 m	1.70 m
	1.00	2.41 m	1.45 m	1.16 m	1.96 m	1.18 m	0.94 m	1.65 m	0.99 m	0.79 m	1.36 m	0.82 m	0.65 m	1.90 m
		Height of building h > 18.00 m ≤ 25.00 m												
		q_p = 0.75 kN/m²			q_p = 0.90 kN/m²			q_p = 1.10 kN/m²			q_p = 1.30 kN/m²			
		w=-0.90 kN/m²	w=-1.50 kN/m²	w=-1.88 kN/m²	w=-1.08 kN/m²	w=-1.80 kN/m²	w=-2.25 kN/m²	w=-1.32 kN/m²	w=-2.20 kN/m²	w=-2.75 kN/m²	w=-1.56 kN/m²	w=-2.60 kN/m²	w=-3.25 kN/m²	
Steel	0.63	1.62 m	0.97 m	0.78 m	1.35 m	0.81 m	0.65 m	1.11 m	0.66 m	0.53 m	0.94 m	0.56 m	0.45 m	1.60 m
	0.75	1.97 m	1.18 m	0.94 m	1.64 m	0.98 m	0.79 m	1.34 m	0.80 m	0.64 m	1.13 m	0.68 m	0.54 m	2.40 m
Aluminium	0.70	1.28 m	0.77 m	0.61 m	1.06 m	0.64 m	0.51 m	0.87 m	0.52 m	0.42 m	0.74 m	0.44 m	0.35 m	1.20 m
	0.80	1.68 m	1.01 m	0.81 m	1.40 m	0.84 m	0.67 m	1.14 m	0.69 m	0.55 m	0.97 m	0.58 m	0.46 m	1.50 m
	0.90	1.91 m	1.15 m	0.92 m	1.59 m	0.96 m	0.76 m	1.30 m	0.78 m	0.63 m	1.10 m	0.66 m	0.53 m	1.70 m
	1.00	2.09 m	1.25 m	1.00 m	1.74 m	1.04 m	0.84 m	1.42 m	0.85 m	0.68 m	1.21 m	0.72 m	0.58 m	1.90 m

Table with max. spans and clip distances (central axis) for enclosed halls, e.g. double pitch roof up to 5° roof pitch.

* installation-related, e.g. with lathing or Z-profile

Standard clip	Turned clip	Flat clip border	Perforated clip border
			

Wind loads according to DIN EN 1991-1-4/NA		Wind zone 2 coasts and islands of Baltic Sea			Wind zone 3 coasts and islands of Baltic Sea			Wind zone 4 coasts of North and Baltic Sea as well as islands of Baltic Sea			Wind zone 4 islands of North Sea			
		Clip distance (m) with			Clip distance (m) with			Clip distance (m) with			Clip distance (m) with			
Material	Thick-ness (mm)	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	max. span limit for acces-sibility*
		Height of building h ≤ 10.00 m												
		q_p = 0.85 kN/m²			q_p = 1.05 kN/m²			q_p = 1.25 kN/m²			q_p = 1.40 kN/m²			
		w=-1.02 kN/m²	w=-1.70 kN/m²	w=-2.13 kN/m²	w=-1.26 kN/m²	w=-2.10 kN/m²	w=-2.63 kN/m²	w=-1.50 kN/m²	w=-2.50 kN/m²	w=-3.13 kN/m²	w=-1.68 kN/m²	w=-2.80 kN/m²	w=-3.50 kN/m²	
Steel	0.63	1.43 m	0.86 m	0.69 m	1.16 m	0.70 m	0.56 m	0.97 m	0.58 m	0.47 m	0.87 m	0.52 m	0.42 m	1.60 m
	0.75	1.74 m	1.04 m	0.83 m	1.40 m	0.84 m	0.67 m	1.18 m	0.71 m	0.57 m	1.05 m	0.63 m	0.51 m	2.40 m
Aluminium	0.70	1.13 m	0.68 m	0.54 m	0.91 m	0.55 m	0.44 m	0.77 m	0.46 m	0.37 m	0.68 m	0.41 m	0.33 m	1.20 m
	0.80	1.48 m	0.89 m	0.71 m	1.20 m	0.72 m	0.58 m	1.01 m	0.60 m	0.48 m	0.90 m	0.54 m	0.43 m	1.50 m
	0.90	1.69 m	1.01 m	0.81 m	1.37 m	0.82 m	0.66 m	1.15 m	0.69 m	0.55 m	1.02 m	0.61 m	0.49 m	1.70 m
	1.00	1.84 m	1.11 m	0.88 m	1.49 m	0.90 m	0.72 m	1.25 m	0.75 m	0.60 m	1.12 m	0.67 m	0.54 m	1.90 m

		Height of building h > 10.00 m ≤ 18.00 m												
		q_p = 1.00 kN/m²			q_p = 1.20 kN/m²			q_p = 1.40 kN/m²						
		w=-1.20 kN/m²	w=-2.00 kN/m²	w=-2.50 kN/m²	w=-1.44 kN/m²	w=-2.40 kN/m²	w=-3.00 kN/m²	w=-1.68 kN/m²	w=-2.80 kN/m²	w=-3.50 kN/m²				
Steel	0.63	1.22 m	0.73 m	0.58 m	1.01 m	0.61 m	0.49 m	0.87 m	0.52 m	0.42 m				1.60 m
	0.75	1.48 m	0.89 m	0.71 m	1.23 m	0.74 m	0.59 m	1.05 m	0.63 m	0.51 m				2.40 m
Aluminium	0.70	0.96 m	0.58 m	0.46 m	0.80 m	0.48 m	0.38 m	0.68 m	0.41 m	0.33 m				1.20 m
	0.80	1.26 m	0.76 m	0.60 m	1.05 m	0.63 m	0.50 m	0.90 m	0.54 m	0.43 m				1.50 m
	0.90	1.43 m	0.86 m	0.69 m	1.19 m	0.72 m	0.57 m	1.02 m	0.61 m	0.49 m				1.70 m
	1.00	1.57 m	0.94 m	0.75 m	1.31 m	0.78 m	0.63 m	1.12 m	0.67 m	0.54 m				1.90 m

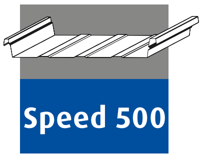
		Height of building h > 18.00 m ≤ 25.00 m												
		q_p = 1.10 kN/m²			q_p = 1.30 kN/m²			q_p = 1.55 kN/m²						
		w=-1.32 kN/m²	w=-2.20 kN/m²	w=-2.75 kN/m²	w=-1.56 kN/m²	w=-2.60 kN/m²	w=-3.25 kN/m²	w=-1.86 kN/m²	w=-3.10 kN/m²	w=-3.88 kN/m²				
Steel	0.63	1.11 m	0.66 m	0.53 m	0.94 m	0.56 m	0.45 m	0.78 m	0.47 m	0.38 m				1.60 m
	0.75	1.34 m	0.80 m	0.64 m	1.13 m	0.68 m	0.54 m	0.95 m	0.57 m	0.46 m				2.40 m
Aluminium	0.70	0.87 m	0.52 m	0.42 m	0.74 m	0.44 m	0.35 m	0.62 m	0.37 m	0.30 m				1.20 m
	0.80	1.14 m	0.69 m	0.55 m	0.97 m	0.58 m	0.46 m	0.81 m	0.49 m	0.39 m				1.50 m
	0.90	1.30 m	0.78 m	0.63 m	1.10 m	0.66 m	0.53 m	0.92 m	0.55 m	0.44 m				1.70 m
	1.00	1.42 m	0.85 m	0.68 m	1.21 m	0.72 m	0.58 m	1.01 m	0.61 m	0.49 m				1.90 m

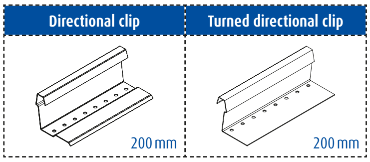
Table with max. spans and clip distances (central axis) for enclosed halls, e.g. double pitch roof up to 5° roof pitch.

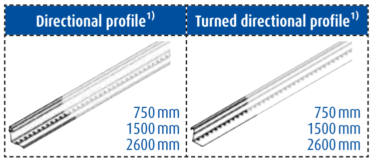
* installation-related, e.g. with lathing or Z-profile

SPANS / CLIP DISTANCES RIB-ROOF SPEED 500

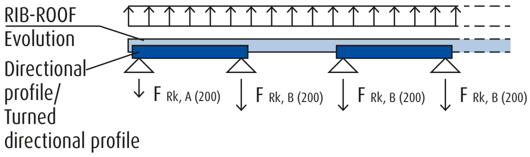
2.9.2







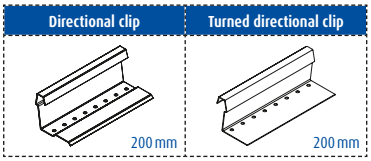
1) The holding bracket distance of a directional clip 200 or a turned directional clip 200 respectively, can be taken for each connection point of directional profiles and turned directional profiles with the substructure. As an example, the sketch shows the allocation of resistivity for directional profiles and turned directional profiles with two connection points (supports).

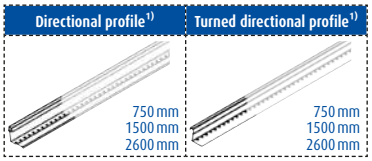


Wind loads according to DIN EN 1991-1-4/NA		Wind zone 1 inland			Wind zone 2 inland			Wind zone 3 inland			Wind zone 4 inland			
		Clip distance (m) with			Clip distance (m) with			Clip distance (m) with			Clip distance (m) with			max. span limit for accessibility*
Material	Thickness (mm)	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$ = -2.0	F (corner area) $c_{pe,1}$ = -2.5	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$ = -2.0	F (corner area) $c_{pe,1}$ = -2.5	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$ = -2.0	F (corner area) $c_{pe,1}$ = -2.5	H (standard area) $c_{pe,1}$= - 1.2	G (edge area) $c_{pe,1}$ = -2.0	F (corner area) $c_{pe,1}$ = -2.5	
		Height of building h ≤ 10.00 m												
		q_p = 0.50 kN/m²			q_p = 0.65 kN/m²			q_p = 0.80 kN/m²			q_p = 0.95 kN/m²			
		w=-0.60 kN/m²	w=-1.00 kN/m²	w=-1.25 kN/m²	w=-0.78 kN/m²	w=-1.30 kN/m²	w=-1.63 kN/m²	w=-0.96 kN/m²	w=-1.60 kN/m²	w=-2.00 kN/m²	w=-1.14 kN/m²	w=-1.90 kN/m²	w=-2.38 kN/m²	
Stahl	0.63	3.83 m	2.30 m	1.84 m	2.95 m	1.77 m	1.42 m	2.40 m	1.44 m	1.15 m	2.02 m	1.21 m	0.97 m	1.60 m
	0.75	3.83 m	2.30 m	1.84 m	2.95 m	1.77 m	1.42 m	2.40 m	1.44 m	1.15 m	2.02 m	1.21 m	0.97 m	2.40 m
Aluminium	0.70	2.35 m	1.41 m	1.13 m	1.81 m	1.08 m	0.87 m	1.47 m	0.88 m	0.71 m	1.24 m	0.74 m	0.59 m	1.20 m
	0.80	3.07 m	1.84 m	1.47 m	2.36 m	1.42 m	1.13 m	1.92 m	1.15 m	0.92 m	1.61 m	0.97 m	0.77 m	1.50 m
	0.90	3.77 m	2.26 m	1.81 m	2.90 m	1.74 m	1.39 m	2.35 m	1.41 m	1.13 m	1.98 m	1.19 m	0.95 m	1.70 m
	1.00	4.35 m	2.61 m	2.09 m	3.35 m	2.01 m	1.61 m	2.72 m	1.63 m	1.31 m	2.29 m	1.37 m	1.10 m	1.90 m
		Height of building h > 10.00 m ≤ 18.00 m												
		q_p = 0.65 kN/m²			q_p = 0.80 kN/m²			q_p = 0.95 kN/m²			q_p = 1.15 kN/m²			
		w=-0.78 kN/m²	w=-1.30 kN/m²	w=-1.63 kN/m²	w=-0.96 kN/m²	w=-1.60 kN/m²	w=-2.00 kN/m²	w=-1.14 kN/m²	w=-1.90 kN/m²	w=-2.38 kN/m²	w=-1.38 kN/m²	w=-2.30 kN/m²	w=-2.88 kN/m²	
Stahl	0.63	2.95 m	1.77 m	1.42 m	2.40 m	1.44 m	1.15 m	2.02 m	1.21 m	0.97 m	1.67 m	1.00 m	0.80 m	1.60 m
	0.75	2.95 m	1.77 m	1.42 m	2.40 m	1.44 m	1.15 m	2.02 m	1.21 m	0.97 m	1.67 m	1.00 m	0.80 m	2.40 m
Aluminium	0.70	1.81 m	1.08 m	0.87 m	1.47 m	0.88 m	0.71 m	1.24 m	0.74 m	0.59 m	1.02 m	0.61 m	0.49 m	1.20 m
	0.80	2.36 m	1.42 m	1.13 m	1.92 m	1.15 m	0.92 m	1.61 m	0.97 m	0.77 m	1.33 m	0.80 m	0.64 m	1.50 m
	0.90	2.90 m	1.74 m	1.39 m	2.35 m	1.41 m	1.13 m	1.98 m	1.19 m	0.95 m	1.64 m	0.98 m	0.79 m	1.70 m
	1.00	3.35 m	2.01 m	1.61 m	2.72 m	1.63 m	1.31 m	2.29 m	1.37 m	1.10 m	1.89 m	1.13 m	0.91 m	1.90 m
		Height of building h > 18.00 m ≤ 25.00 m												
		q_p = 0.75 kN/m²			q_p = 0.90 kN/m²			q_p = 1.10 kN/m²			q_p = 1.30 kN/m²			
		w=-0.90 kN/m²	w=-1.50 kN/m²	w=-1.88 kN/m²	w=-1.08 kN/m²	w=-1.80 kN/m²	w=-2.25 kN/m²	w=-1.32 kN/m²	w=-2.20 kN/m²	w=-2.75 kN/m²	w=-1.56 kN/m²	w=-2.60 kN/m²	w=-3.25 kN/m²	
Stahl	0.63	2.56 m	1.53 m	1.23 m	2.13 m	1.28 m	1.02 m	1.74 m	1.05 m	0.84 m	1.47 m	0.88 m	0.71 m	1.60 m
	0.75	2.56 m	1.53 m	1.23 m	2.13 m	1.28 m	1.02 m	1.74 m	1.05 m	0.84 m	1.47 m	0.88 m	0.71 m	2.40 m
Aluminium	0.70	1.57 m	0.94 m	0.75 m	1.31 m	0.78 m	0.63 m	1.07 m	0.64 m	0.51 m	0.90 m	0.54 m	0.43 m	1.20 m
	0.80	2.04 m	1.23 m	0.98 m	1.70 m	1.02 m	0.82 m	1.39 m	0.84 m	0.67 m	1.18 m	0.71 m	0.57 m	1.50 m
	0.90	2.51 m	1.51 m	1.21 m	2.09 m	1.26 m	1.00 m	1.71 m	1.03 m	0.82 m	1.45 m	0.87 m	0.70 m	1.70 m
	1.00	2.90 m	1.74 m	1.39 m	2.42 m	1.45 m	1.16 m	1.98 m	1.19 m	0.95 m	1.67 m	1.00 m	0.80 m	1.90 m

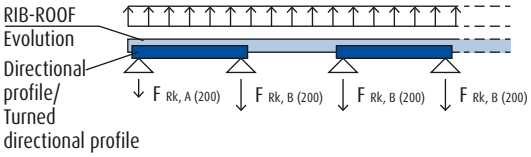
Table with max. spans and clip distances (central axis) for enclosed halls, e.g. double pitch roof up to 5° roof pitch.

* installation-related, e.g. with lathing or Z-profile





1) The holding bracket distance of a directional clip 200 or a turned directional clip 200 respectively, can be taken for each connection point of directional profiles and turned directional profiles with the substructure. As an example, the sketch shows the allocation of resistivity for directional profiles and turned directional profiles with two connection points (supports).



Wind loads according to DIN EN 1991-1-4/NA		Wind zone 2 coasts and islands of Baltic Sea			Wind zone 3 coasts and islands of Baltic Sea			Wind zone 4 coasts of North and Baltic Sea as well as islands of Baltic Sea			Wind zone 4 islands of North Sea			
		Clip distance (m) with			Clip distance (m) with			Clip distance (m) with			Clip distance (m) with			
Material	Thick-ness (mm)	H (standard area) $c_{pe,1}$=- 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	H (standard area) $c_{pe,1}$=- 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	H (standard area) $c_{pe,1}$=- 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	H (standard area) $c_{pe,1}$=- 1.2	G (edge area) $c_{pe,1}$= -2.0	F (corner area) $c_{pe,1}$= -2.5	max. span limit for acces-sibility*
		Height of building h ≤ 10.00 m												
		q_p = 0.85 kN/m²			q_p = 1.05 kN/m²			q_p = 1.25 kN/m²			q_p = 1.40 kN/m²			
		w=-1.02 kN/m²	w=-1.70 kN/m²	w=-2.13 kN/m²	w=-1.26 kN/m²	w=-2.10 kN/m²	w=-2.63 kN/m²	w=-1.50 kN/m²	w=-2.50 kN/m²	w=-3.13 kN/m²	w=-1.68 kN/m²	w=-2.80 kN/m²	w=-3.50 kN/m²	
Stahl	0.63	2.25 m	1.35 m	1.08 m	1.83 m	1.10 m	0.88 m	1.53 m	0.92 m	0.74 m	1.37 m	0.82 m	0.66 m	1.60 m
	0.75	2.25 m	1.35 m	1.08 m	1.83 m	1.10 m	0.88 m	1.53 m	0.92 m	0.74 m	1.37 m	0.82 m	0.66 m	2.40 m
Aluminium	0.70	1.38 m	0.83 m	0.66 m	1.12 m	0.67 m	0.54 m	0.94 m	0.56 m	0.45 m	0.84 m	0.50 m	0.40 m	1.20 m
	0.80	1.80 m	1.08 m	0.87 m	1.46 m	0.88 m	0.70 m	1.23 m	0.74 m	0.59 m	1.10 m	0.66 m	0.53 m	1.50 m
	0.90	2.22 m	1.33 m	1.06 m	1.79 m	1.08 m	0.86 m	1.51 m	0.90 m	0.72 m	1.35 m	0.81 m	0.65 m	1.70 m
	1.00	2.56 m	1.54 m	1.23 m	2.07 m	1.24 m	0.99 m	1.74 m	1.04 m	0.84 m	1.55 m	0.93 m	0.75 m	1.90 m
		Height of building h > 10.00 m ≤ 18.00 m												
		q_p = 1.00 kN/m²			q_p = 1.20 kN/m²			q_p = 1.40 kN/m²						
		w=-1.20 kN/m²	w=-2.00 kN/m²	w=-2.50 kN/m²	w=-1.44 kN/m²	w=-2.40 kN/m²	w=-3.00 kN/m²	w=-1.68 kN/m²	w=-2.80 kN/m²	w=-3.50 kN/m²				
Stahl	0.63	1.92 m	1.15 m	0.92 m	1.60 m	0.96 m	0.77 m	1.37 m	0.82 m	0.66 m				1.60 m
	0.75	1.92 m	1.15 m	0.92 m	1.60 m	0.96 m	0.77 m	1.37 m	0.82 m	0.66 m				2.40 m
Aluminium	0.70	1.18 m	0.71 m	0.56 m	0.98 m	0.59 m	0.47 m	0.84 m	0.50 m	0.40 m				1.20 m
	0.80	1.53 m	0.92 m	0.74 m	1.28 m	0.77 m	0.61 m	1.10 m	0.66 m	0.53 m				1.50 m
	0.90	1.88 m	1.13 m	0.90 m	1.57 m	0.94 m	0.75 m	1.35 m	0.81 m	0.65 m				1.70 m
	1.00	2.18 m	1.31 m	1.04 m	1.81 m	1.09 m	0.87 m	1.55 m	0.93 m	0.75 m				1.90 m
		Height of building h > 18.00 m ≤ 25.00 m												
		q_p = 1.10 kN/m²			q_p = 1.30 kN/m²			q_p = 1.55 kN/m²						
		w=-1.32 kN/m²	w=-2.20 kN/m²	w=-2.75 kN/m²	w=-1.56 kN/m²	w=-2.60 kN/m²	w=-3.25 kN/m²	w=-1.86 kN/m²	w=-3.10 kN/m²	w=-3.88 kN/m²				
Stahl	0.63	1.74 m	1.05 m	0.84 m	1.47 m	0.88 m	0.71 m	1.24 m	0.74 m	0.59 m				1.60 m
	0.75	1.74 m	1.05 m	0.84 m	1.47 m	0.88 m	0.71 m	1.24 m	0.74 m	0.59 m				2.40 m
Aluminium	0.70	1.07 m	0.64 m	0.51 m	0.90 m	0.54 m	0.43 m	0.76 m	0.45 m	0.36 m				1.20 m
	0.80	1.39 m	0.84 m	0.67 m	1.18 m	0.71 m	0.57 m	0.99 m	0.59 m	0.47 m				1.50 m
	0.90	1.71 m	1.03 m	0.82 m	1.45 m	0.87 m	0.70 m	1.22 m	0.73 m	0.58 m				1.70 m
	1.00	1.98 m	1.19 m	0.95 m	1.67 m	1.00 m	0.80 m	1.40 m	0.84 m	0.67 m				1.90 m

Table with max. spans and clip distances (central axis) for enclosed halls, e.g. double pitch roof up to 5° roof pitch.

* installation-related, e.g. with lathing or Z-profile

SIMPLY COVERING FUNCTIONS

Zambelli
RIB-ROOF GmbH & Co. KG
Hans-Sachs-Strasse 3 + 5
94569 Stephansposching
Germany

Phone +49 9931 89590-0
Fax +49 9931 89590-49
E-mail rib-roof@zambelli.de

ICH MACH'S EINFACH.

01/2017