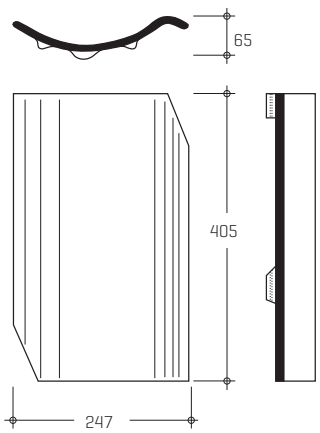
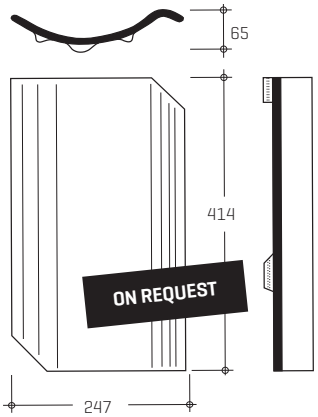
TECHNOLOGY WITH SYSTEM

Hollow pans with long-cut (LC) are used for fore-cut coverage. The successive tile rows overlap in height by the amount of the corner cut. As a result, the upper right and lower left tile lie diagonally next to each other on the four-tile corner. For cut-coverage use hollow pans with short-cut (KS, delivery on request). The successive tile rows overlap by the amount of minimum-height-coverage depending on the roof pitch. Here are four roof tiles laying on each other at the four-tile-corner. Falling below the normal pitch is easily possible with additional measures.[1]



Longcut (LC)
for fore-cut coverage



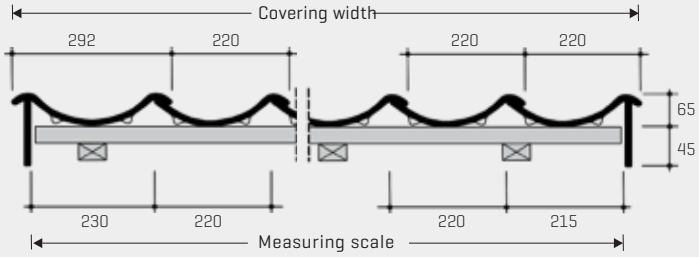
Shortcut (SC)
for cut coverage

HØJSLEV HOHLPFANNE

	DIMENSIONS	COVERING LENGTH	COVERING WIDTH	REQUIRED	WEIGHT	MINIMUM ROOF PITCH[1]	STANDARD ROOF PITCH	PACKAGE CONTENTS
LC	approx. 405 x 247 mm	approx. 330 mm	approx. 220 mm	from approx. 13,8 pro m²	per pc.: approx. 2,9 kg per m²: approx. 40 kg	28° with under-roof	40°	252 pcs. on europallet
SC	approx. 414 x 247 mm	approx. 315-325 mm.	approx. 220 mm	from approx. 13,6 pro m²	per pc.: approx. 2,9 kg per m²: 39,4–41,8 kg	28° with under-roof	35°	252 pcs. on europallet

EVALUATION/SIZING OF THE COVERING WIDTH

A: Side finish with baulk



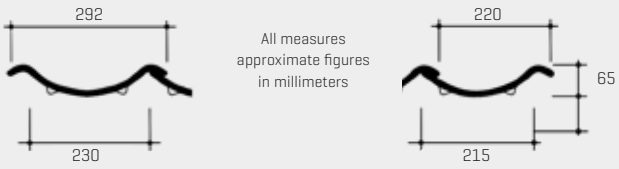
Fore-cut coverage (Longcut)



Cut coverage (Shortcut)



B: Double brim tile



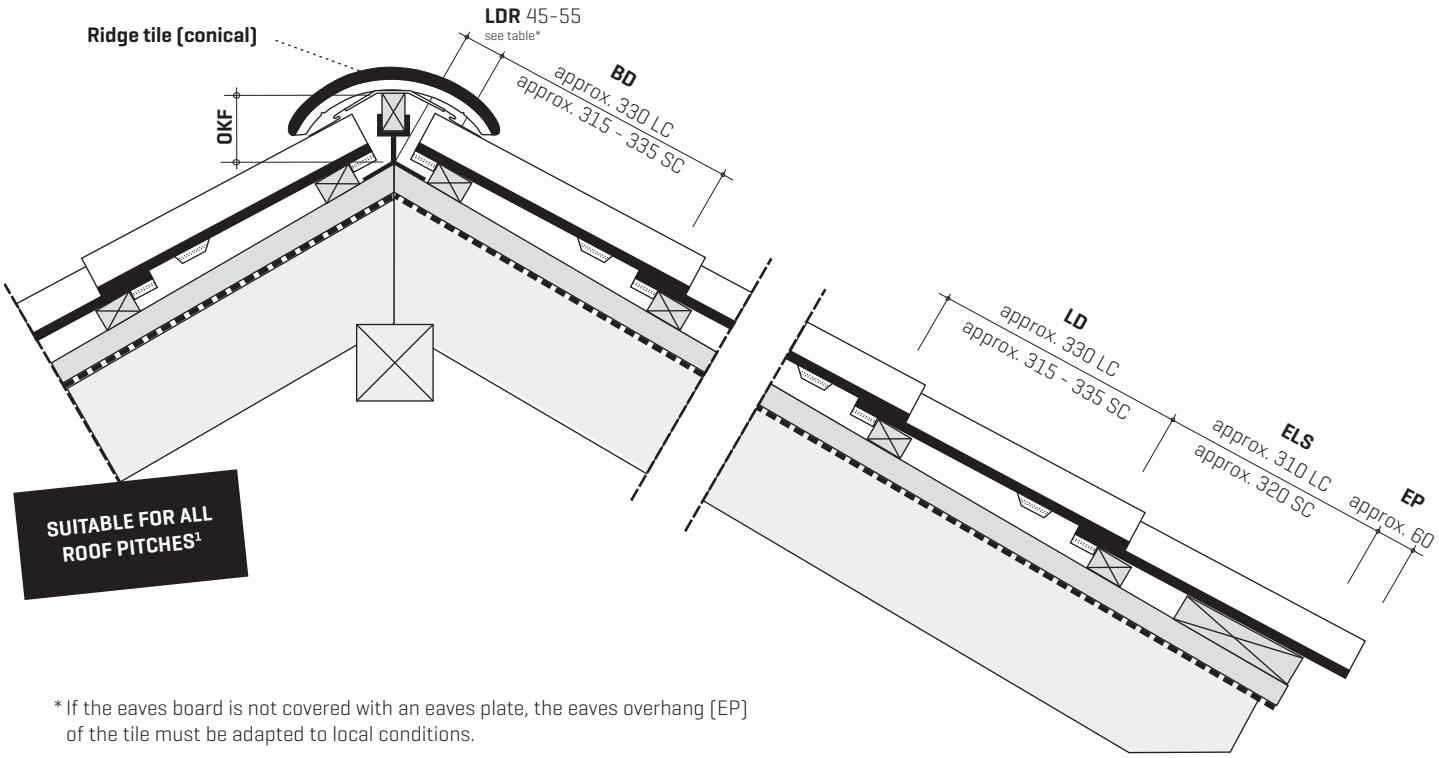
Tile clips for storm protection
Nr. 428 b / 1 to hang onto batten size 30 x 50 mm
Nr. 428 b / 2 to hang onto batten size 40 x 60 mm
Nr. 453-211 Clipholster® to batter

Storm clip assignment
Also use our free online tool for wind suction calculator and storm clip assignment.
http://www.laumans.de/en/windsog/

Average covering width in rows without or with roof tile in mm construction width = respective measuring scale

ROW			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
Roof tile (RT)			220	440	660	880	1.100	1.320	1.540	1.760	1.980	2.200	2.420	2.640	2.860	3.080	3.300
Double brim tile + RT	230	215	-	-	665	885	1.105	1.325	1.545	1.765	1.985	2.205	2.425	2.645	2.865	3.085	3.305
Side finish with baulk li/r. + RT	230	215	-	-	665	885	1.105	1.325	1.545	1.765	1.985	2.205	2.425	2.645	2.865	3.085	3.305

ROW			16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Roof tile (RT)			3.520	3.740	3.960	4.180	4.400	4.620	4.840	5.060	5.280	5.500	5.720	5.940	6.160	6.380	6.600
Double brim tile + RT			3.525	3.745	3.965	4.185	4.405	4.625	4.845	5.065	5.285	5.505	5.725	5.945	6.165	6.385	6.605
Side finish with baulk li/r. + RT			3.525	3.745	3.965	4.185	4.405	4.625	4.845	5.065	5.285	5.505	5.725	5.945	6.165	6.385	6.605



* If the eaves board is not covered with an eaves plate, the eaves overhang (EP) of the tile must be adapted to local conditions.

[1] If the regular roof pitch is undershot, the substructure must be executed with increased requirements.

EVALUATION/SIZING OF THE RAFTER LENGTH

Eaves overhang (eP) 60 mm: number of rows (according to chart) + lath distance eaves (ELS) + lath distance ridge (LDR)

Covering length

ROWS		01	02	03	04	05	06	07	08	09	10
COVERING LENGTH in mm (LD)	LC	330	660	900	1.320	1.650	1.980	2.310	2.640	2.970	3.300
	SC ≤40°	315	630	945	1.260	1.575	1.890	2.205	2.520	2.835	3.150
	SC >40°	325	650	975	1.300	1.625	1.950	2.275	2.600	2.925	3.250
	SC >45°	335	670	1.005	1.340	1.675	2.010	2.345	2.680	3.015	3.350
ROWS		**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
COVERING LENGTH in mm (LD)	LC	3.630	3.960	4.290	4.620	4.950	5.280	5.610	5.940	6.270	6.600
	SC ≤40°	3.465	3.780	4.095	4.410	4.725	5.040	5.355	5.670	5.985	6.300
	SC >40°	3.575	3.900	4.225	4.550	4.875	5.200	5.525	5.850	6.175	6.500
	SC >45°	3.685	4.020	4.355	4.690	5.025	5.360	5.695	6.030	6.365	6.700
ROWS		**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
COVERING LENGTH in mm (LD)	LC	6.930	7.260	7.590	7.920	8.250	8.580	8.910	9.240	9.570	9.900
	SC ≤40°	6.615	6.930	7.245	7.560	7.875	8.190	8.505	8.820	9.135	9.450
	SC >40°	6.825	7.150	7.475	7.800	8.125	8.450	8.775	9.100	9.425	9.750
	SC >45°	7.035	7.370	7.705	8.040	8.375	8.710	9.045	9.380	9.715	10.050

All values are determined with a 30 x 50 mm lathing. If other slat cross sections are used, than these must be checked at the construction site beforehand!

The accurate lath spacing has to be determined at the building site with the delivered tiles.

Lath distance ridge (LDR)

When using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge tile (conical)	55 mm	50 mm	50 mm	45 mm

Distance from ridge vertex / Top of ridge lath (OKF):

When using roof tiles				
Roof pitch	20°	30°	40°	50°
Ridge tile (conical)	145 mm	130 mm	120 mm	105 mm

Further fitting tiles available

Term	Covering width/Measuring scale
Double brim tile	292 mm
Ventilation tile, ventilation approx. 60 cm²	220 mm
Vent pipe/antenna opening tile	220 mm