



Lindab Rainline™

# Roof drainage

- the complete system

# Gutter/accessories



**R**  
Gutter



**RSK**  
Gutter joint



**K21/K16/K07**  
Bracket



**K11**  
Bracket for 27°  
roof pitch



**KFL35/KFL/KFM**  
Bracket



**KFK**  
Bracket



**SKL/SKM**  
Snap-on  
bracket



**SSK**  
Adjustable  
snap-on



**STAG**  
Stay strap



**KBO**  
Bracket bender



**TB**  
Cover brace



**SOK**  
Nozzle



**RGT**  
Stop end



**RVY**  
Outer  
gutter angle



**RVI**  
Inner



**ÖSK**  
Overflow pro-  
tection



**ÖSKR**  
Overflow  
protection,



# Downpipes/accessories



**SRÖR**

Downpipe



**MST**

Intermediate pipe



**SSVH**

Pipe holder



**SSV**

Spike holder



**SST**

Spike



**BK70**

Bend, conical



**UTK**

Shoe



**SLAS**

Hose connector for 80 mm



**BUTK**

Drain shoe



**BUO**

Sliding pipe



**GRÖR 50-80°**

Branch pipe



**FUTK**

Fold-out shoe



**RT**

Drain trap



**SLS**

Self-cleaning leaf trap



**MRT**

Drain connector

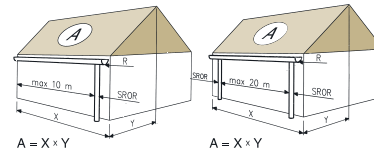


# Attaches

# quickly and easily

## 1 Dimensioning

By multiplying the length of the roof (X) by its width (Y), you can determine the area of the roof (A). In the table you can see which options you should use. A gutter drop should not exceed 10 m.



Dimension		1 SRÖR	2 SRÖR
Gutter	Pipe	A m <sup>2</sup>	A m <sup>2</sup>
100	75	0-50	50-100
125	87	50-100	100-200

## 2 The gutter brackets

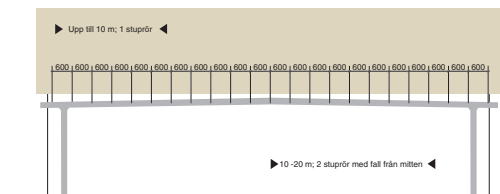
In order to facilitate bending with a drop towards the downpipe, mark with a pencil as shown in figure A where the brackets are to be bent. Remember to number the brackets. Minimum recommended drop as per SS (Swedish Standard) is 2.5 mm/m.

Begin by attaching the highest and lowest brackets and tie a piece of string between them. Then attach the other brackets in line with the string. The maximum gap between the brackets should not exceed 60 cm. Secure with screws. For gutter lengths in excess of 10 m, attach the gutters with a drop from the centre out to each downpipe.

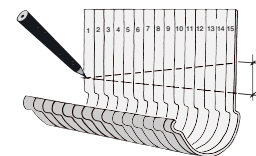
The long bracket is bent and attached as shown in figure A.

For bends, remember that the front edge of the gutter has a gradient for at least 6 mm in front in relation to the back edge. Bending is made considerably easier if you use Lindab's bracket bender.

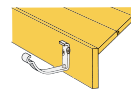
KFK attaches directly to the vertical toe board. For a roof pitch between 7° and 45° with perpendicular toe boards, use SSK.



### A - long bracket-



### B - short bracket-



## 3 Snap-on nozzles

Mark how far from the end of the gutter the downpipe will be. Cut out a hole to connect the snap-on nozzle. Fold down the middle of the cut edge with a pair of pliers. Do not use an angle grinder to cut the hole. Securely attach the rear bent edge of the snap-on nozzle to the rear edge of the gutter. Snap the nozzle into the front edge of the gutter.







## 4 The ends

The self-locking stop end is installed as follows:  
Position the end against the edge of the gutter, guide the lug over the leading edge of the gutter and press. Then tap gently with the palm of your hand to ensure that the edge of the gutter slides under the locking points on the stop end. Then tap gently with a hammer to push it into its final position. Alternatively, the end can be installed with the gutter in place.



## 5 Gutter lengths

If using one of the snap-on brackets, push the gutter in below the snap-on bracket's rear metal lip. Then press the gutter into the base of the bracket and secure using the 'snap' function. When using snap-on brackets, you can opt to install the gutter before or after completing the roof.

If using the fixed brackets KFK, KFM or KFL, position the gutter at the front and rear bracket edge. Then press

it down into the bracket.

For attachment to toe boards (vertical toe board), use KFK. For all toe boards at right angles to the roof with a roof pitch between 7° and 45°, use SSK.



## 6 The gutter joints

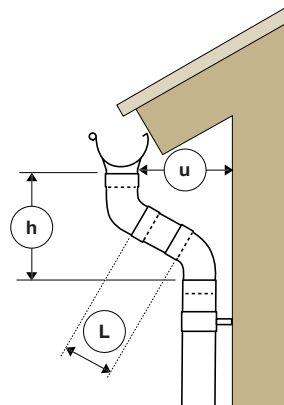
Attach the rear edge of the gutter joint over the rear edges of the gutters so that the sealing rubber strip is in the middle of the joint. Leave 5 mm between the gutters, which approximately corresponds to the gap in the middle section of the rubber. Position the gutter joint's hook plate over the bulge on the gutter, use the locking pin to pull the joint towards you while folding down the hook plate and pressing down. Secure the hook plate with the locking pin.



## 7 Length of intermediate section

The length of the intermediate section is adjusted as per the adjoining table and picture.

**L** = length of intermediate section



Length of intermediate section with 70° pipe bends

u mm	h mm	L mm
220	275	0
270	290	100
300	300	135
350	320	185
400	340	240
450	355	290
500	375	345
550	395	400
600	410	455
650	430	505
700	450	560
750	465	610
800	485	665
850	505	720
900	520	770
950	540	825
1000	555	880
1050	575	930
1100	595	985
1150	610	1040

## 8 The pipe holders

Attach the pipe holders – at least two for each downpipe – directly below one another. Maximum distance between the pipe holders is 2 m. For stone walls, drill holes, plug and attach with screws. For wooden walls, simply attach using screws.

The pipe holders are equipped with snap-on locking and are attached as per the pictures. If you need to open the snap-on lock, insert a chisel into the openings and pry open carefully.



## 9 Downpipes

Adjust the length of the intermediate section as per the table in section 7 and attach to both pipe bends. Connect them to the snap-on nozzle. Push the downpipe, which you must also adjust for length, into the lower pipe bend.

Fit the shoe securely to the downpipe and attach it using rivets or screws. Straighten the entire pipe system and snap on the pipe holders.

For connection to rain water pipes, use a drain shoe and filter.



## General

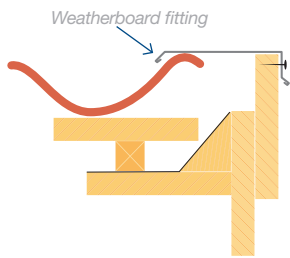
**Cleaning:**  
Check carefully to ensure you remove even the smallest filings or borings. Any residue can rust and discolour the sheet metal.



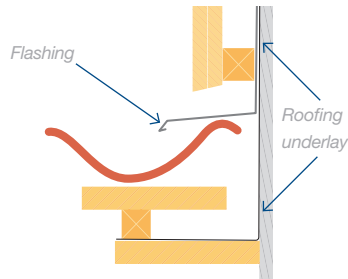
# Edges and fittings

Lindab's wide range of edges and fittings adds the final touches to installation.

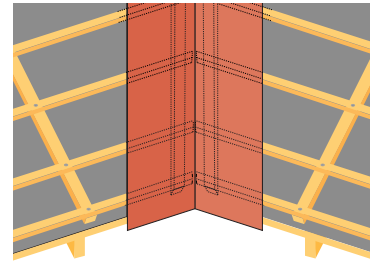
**Weatherboard fitting VABR**



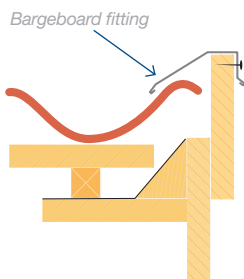
**Flashing STÅSK (side)**



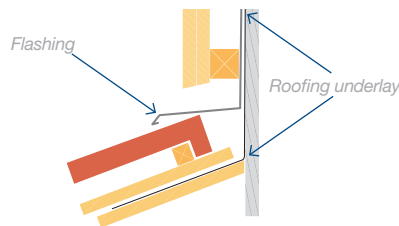
**Valley flashing RD**



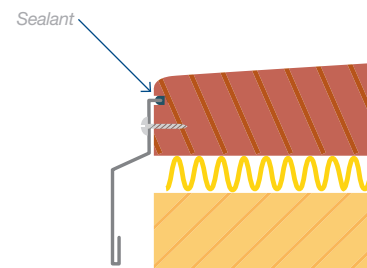
**Bargeboard fitting VISK**



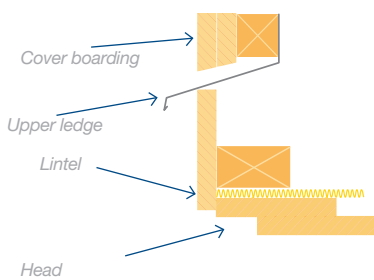
**Flashing STÅSK (end)**



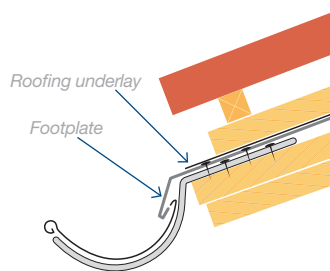
**Sill plate TRBL**



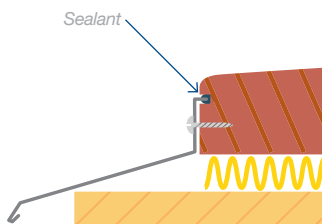
**Upper ledge ÖB**



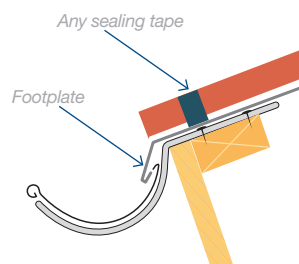
**Footplate FOTP (roofing tile)**



**Lower ledge UB**



**Footplate FOTP (prof. sheeting)**



# Accessible **proximity**

Lindab stands for complete system solutions within modern plate technology. A substantial product range - *roof drainage, roofing sheets, flat sheet roofing, perforated plate, structural sheet steel, lightweight construction technology, hall systems and ventilation* – together with market-leading competence, perfect service and extensive experience.

Smart solutions combined with breadth, expertise and proximity – that is Lindab in a nutshell. *Your Lindab.*

