

# ROOF SAFETY ACCESSORIES

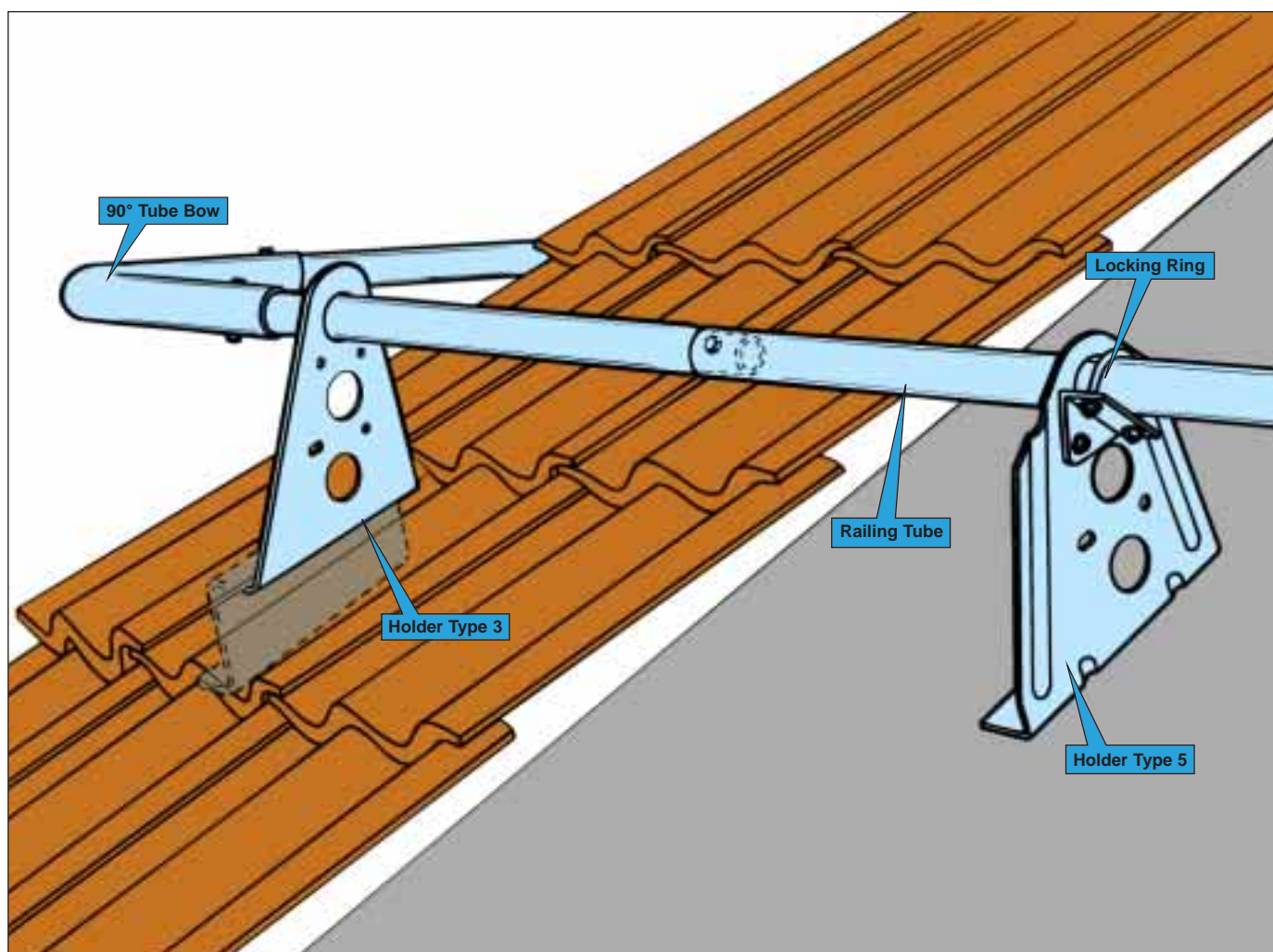
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For further information — Ask for brochure ROOF SAFETY ACCESSORIES

**WELAND STÅLAB**



# RIDGE- / EAVE RAILING



## Holder Type 3 (Ridge / Eave) for Roofing Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	Pantile 50 mm batten	NB 3150	1,0
Holder Type 3	Pantile 37 mm batten	NB 3137	1,0
Holder Type 3	Pantile 25 mm batten	NB 3125	1,0
Holder Type 3	Pantile supporting batten	NB 3105	1,0
Holder Type 3	Double pantile 50 mm batten	NB 3250	1,0
Holder Type 3	Double pantile 37 mm batten	NB 3237	1,0
Holder Type 3	Double pantile 25 mm batten	NB 3225	1,0
Holder Type 3	Double pantile support. batt.	NB 3205	1,0

## Railing Tube (pre-drilled lengths of 3 m)

The tube end protruding the last holder must not exceed 300 mm length. The railing has to be secured on both ends against turning or slipping.

Designation	Remarks	Part no.	Weight kg
Ø 27 mm	for type 3 and 5	RR 2730	10,0
Screw kit	for tube joint	BS 0840	

## Holder Type 3 (Ridge / Eave) for Concrete Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	50 mm batten	NB 3350	1,0
Holder Type 3	37 mm batten	NB 3337	1,0
Holder Type 3	25 mm batten	NB 3325	1,0
Holder Type 3	supporting batten	NB 3305	1,0

## Locking ring for type 3 and 5

The locking ring is mounted before the first and last holder of each line.

Designation	Remarks	Part no.	Weight kg
Angel and loop screw	for holder Type 3 and 5	LA 2700	0,1

## Holder Type 5 (Ridge / Eave) for plain roofs

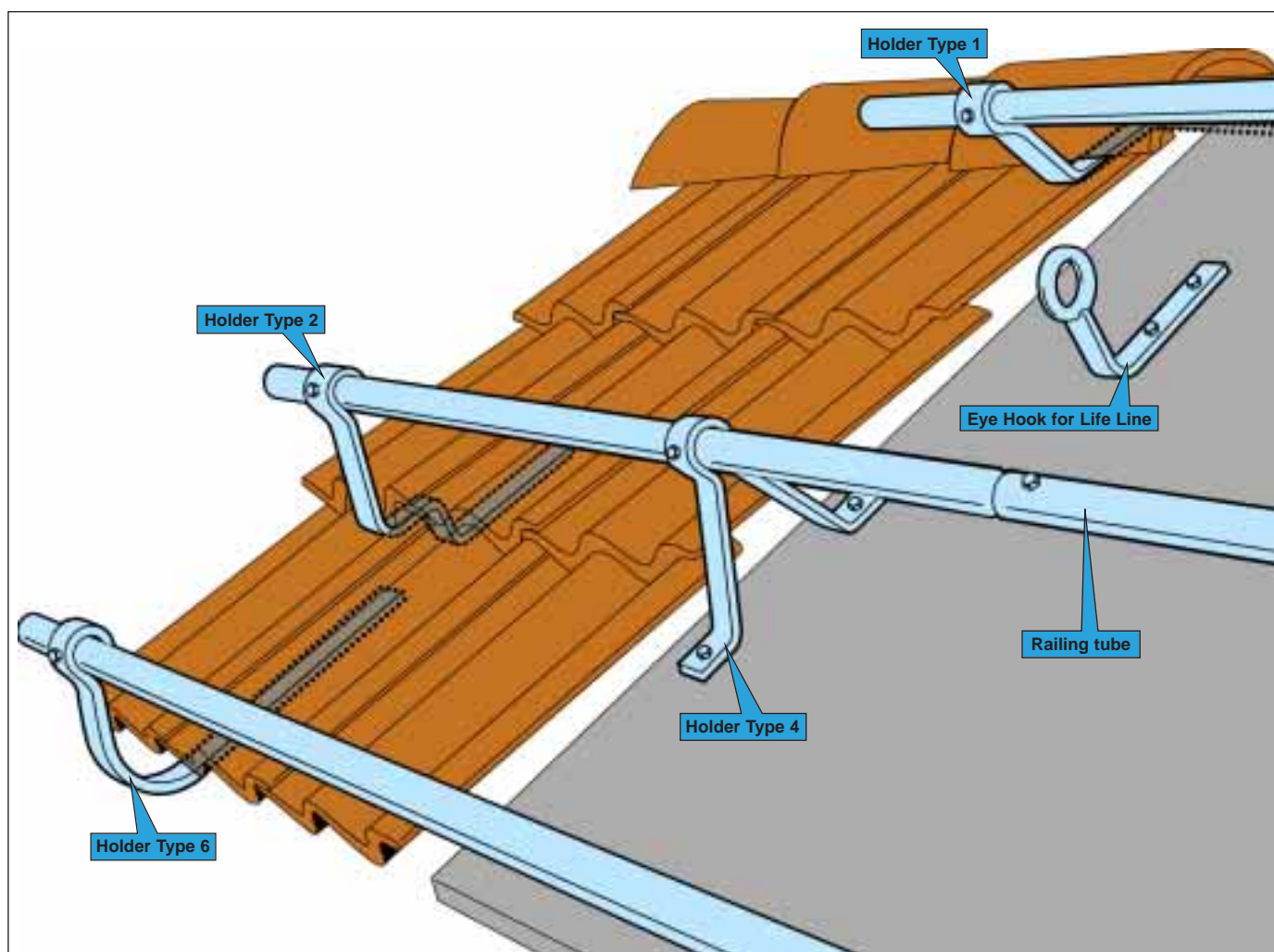
Designation	Roof Type	Part no.	Weight kg
Holder Type 5	Plain Roof	NB 5000	0,7
Rubber sealing 35 x 200 mm		GB 3520	0,1

## 90° Tube Bow ( i.e. for hipped roof)

Designation	Roof Type	Part no.	Weight kg
For 27 mm tube	for type 3 and 5	GR 3402	1,0
Screw kit		BS 0840	

Holders, see pages 139 - 142

# RIDGE- / EAVE RAILING AND EYE HOOK FOR LIFE LINE



## Holder Type 1 (Ridge) for Roofing/Concrete tiles

Designation	Used for	Part no.	Weight kg
Holder Standard	Ridge Railing	NT 1000	1,8
Holder with locking, complete	Ridge Railing	NT 1100	1,8

## Holder Type 2 (Ridge / Eave) for Roofing/Concrete Tiles

Designation	Used for	Part no.	Weight kg
Holder Standard	Eave	NT 2000	1,7
Holder with locking, complete	Eave	NT 2100	1,7

## Holder Type 4 (Ridge / Eave) for plain Roofs

Designation	Used for	Part no.	Weight kg
Holder Standard	Ridge / Eave	NT 4000	0,8
Holder with locking complete	Ridge / Eave	NT 4100	0,8
Rubber sealing 35 x 50 mm	sealing plain roofs	GB 3550	

## Holder Type 6 (Eave) for roofing tiles and plain roofs

Designation	Used for	Part no.	Weight kg
Holder Standard	Eave	NT 6000	1,7
Holder with locking, complete	Eave	NT 6100	1,7
Rubber sealing 35x200 mm	sealing plain roofs	GB 3520	0,1

## Railing tube (pre-drilled lengths of 3 m)

The tube end protruding the last holder must not exceed 300 mm length. The railing has to be secured on both ends against turning or slipping.

Designation	Remarks	Part no.	Weight kg
Ø 27 mm Screw kit	for type 3 and 5	RR 2730 BS 0840	10,0

## 90° Tube Bow ( i.e. for hipped roof)

Designation	Roof Type	Part no.	Weight kg
For 27 mm tube Screw kit	for type 3 and 5	GR 3402 BS 0840	1,0

## Eye Hook for Life Line

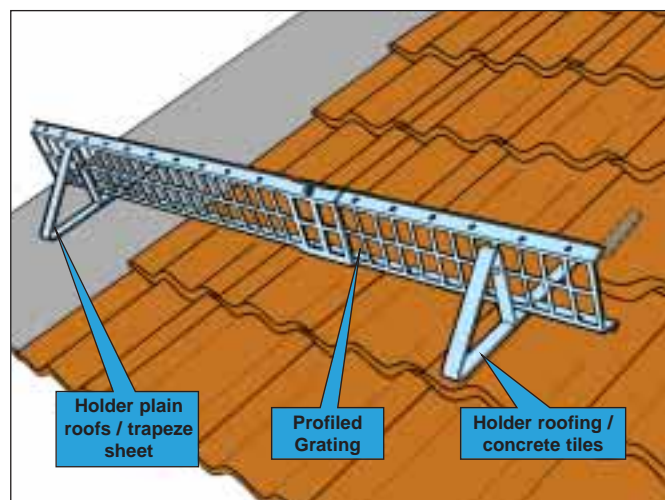
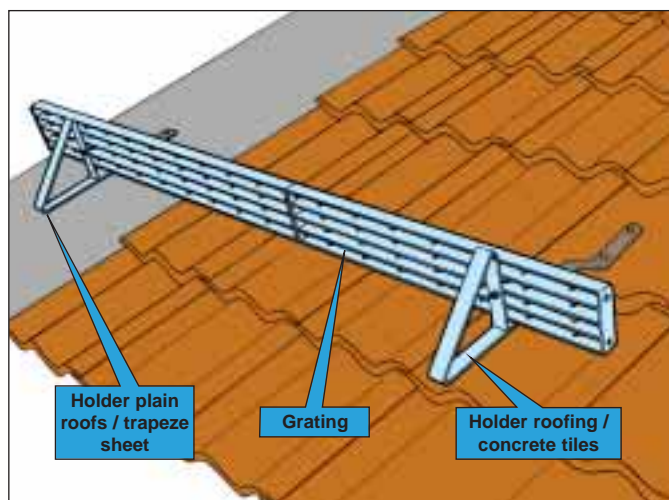
Instead of ridge railing, if roof slope is less than 1:10

Roof Type	Part no.	Weight kg
Eye Hook for roofing/concrete tiles	NT 2001	1,2
Eye Hook for plain roofs	NT 6001	0,8
Rubber sealing 35 x 200 mm	GB 3520	0,1

**To be mounted with maximum 3 m distance. For smaller houses 2 eye hooks are sufficient.**

Holders, see pages 139 - 142

# SNOW GUARDS OF PRESS WELDED OR PROFILED GRATING



Very efficient snow guard, will not let slip through any ice. Snow guards can also serve as foot rests when mounted on the eave.

A snow guard of profiles grating with rectangular holes for mounting on plate roofs and tiled roofs.

## Press Welded Grating

Length x Width	Part no.	Weight kg
1500 x 150	GL 1515	5,7
1800 x 150	GL 1815	6,8
2400 x 150	GL 2415	9,1
3000 x 150	GL 3015	11,3
Screw kit M8 x 20 (for 5 joints)		BS 0820

## Profiled Grating

Length x Width	Part no.	Weight kgt
1500 x 174	SS 1517	
1800 x 174	SS 1817	
2400 x 174	SS 2417	
3000 x 174	SS 3017	
Screw kit M8 x 20 (for 5 joints)		BS 0820

## Mounting and Dimensioning of Snow Guards

Instructions for the mounting of snow guards in different snow zones and for different roof slopes are given in the special brochure.

## Mounting and Dimensioning of Snow Guards

Instructions for the mounting of snow guards in different snow zones and for different roof slopes are given in the special brochure.

## Holder for Roofing and Concrete Tiles

Designation	Art.-Nr	Weight kg
Holder for Roofing/concrete tiles 50 mm batten	SN 7150	1,5
Holder for Roofing/concrete tiles 37 mm batten	SN 7137	1,5
Holder for Roofing/concrete tiles 25 mm batten	SN 7125	1,5
Holder for Roofing/concrete tiles, batten holder	SN 7105	1,5
J-hook M8 x 48 (for 10 brackets)	JK 0848	0,1

## Holder for Roofing/concrete tiles

Designation	Part no.	Weight kg
Holder for Roofing/concrete tiles 50 mm batten	SN 7150	1,5
Holder for Roofing/concrete tiles 37 mm batten	SN 7137	1,5
Holder for Roofing/concrete tiles 25 mm batten	SN 7125	1,5
Holder for Roofing/concrete tiles, batten holder	SN 7105	1,5
Screw kit with large washer (for 10 brackets)	VS 0820	0,1

## Holder for plain Roofs / Trapeze Sheet

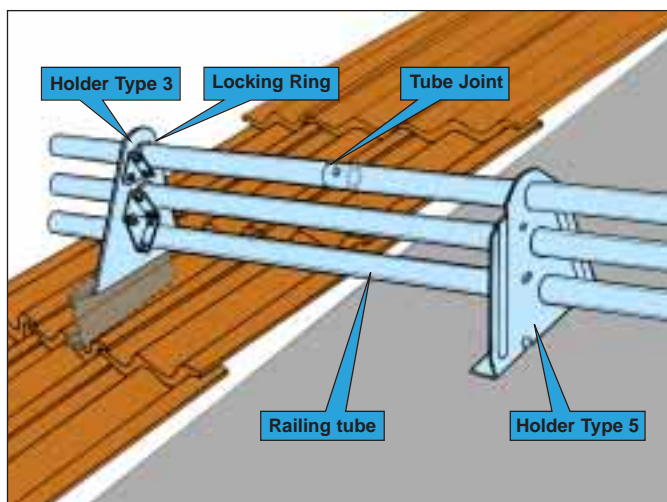
Designation	Part no.	Weight kg
Holder for plain Roofs / trapeze sheet	SN 7000	1,5
Rubber sealing 35 x 200 mm	GB 3520	0,1
J-Hook M8 x 48 (for 10 brackets)	JK 0848	0,1

## Holder for Plain Roofs / Trapeze Sheet

Designation	Part no.	Weight kg
Holder for plain roofs / trapeze sheet	SN 7000	1,5
Rubber sealing 35 x 200 mm	GB 3520	0,1
Screw kit with large washer (for 10 brackets)	VS 0820	0,1

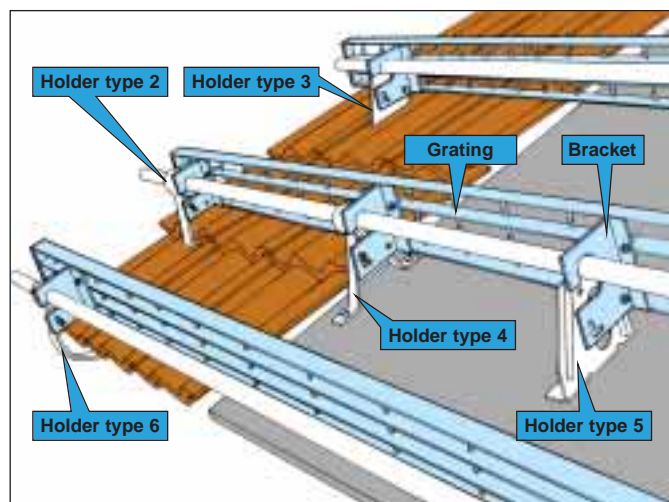
Holders, see pages 139 - 142

# SNOW GUARD (3-TUBE)



Stable snow guard designed in accordance with SS 83 13 31. Serves also as eave railing

# SNOW GUARD ACCESSORIES



If there already is a roof railing and you wish to add a snow guard, this can be done with special snow guard accessories. Fit all types of holder SS 88 13 31.

## Holder Type 3 (Ridge/Eave) for Roofing Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	Pantile 50 mm batten	NB 3150	1,0
Holder Type 3	Pantile 37 mm batten	NB 3137	1,0
Holder Type 3	Pantile 25 mm batten	NB 3125	1,0
Holder Type 3	Pantile Batten holder	NB 3105	1,0
Holder Type 3	Double pantile 50 mm batten	NB 3250	1,0
Holder Type 3	Double pantile 37 mm batten	NB 3237	1,0
Holder Type 3	Double pantile 25 mm batten	NB 3225	1,0
Holder Type 3	Double pantile Batten holder	NB 3205	1,0

## Holder Type 3 (Ridge/Eave) for Concrete Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	50 mm batten	NB 3350	1,0
Holder Type 3	37 mm batten	NB 3337	1,0
Holder Type 3	25 mm batten	NB 3325	1,0
Holder Type 3	Batten holder	NB 3305	1,0

## Holder Type 5 (Ridge/Eave) for Plain Roofs

Designation	Roof Type	Part no.	Weight kg
Holder Type 5	plain roof	NB 5000	0,7
Rubber sealing 35 x 200 mm		GB 3520	0,1

## Locking Ring for Type 3 and 5

Locking ring to be mounted on each first and last holder of line

Designation	Remarks	Part no.	Weight kg
Angel and loop screw	for holder type 3 and 5	LA 2700	0,1

## Railing tube (pre-drilled lengths of 3 m)

The tube end protruding the last holder must not exceed 300 mm length. The railing has to be secured on both ends against turning or slipping.

Designation	Remarks	Part no.	Weight kg
Ø 27 mm	for type 3 and 5	RR 2730	10,0
Screw kit	for tube joint	BS 0840	

## 90° Tube Bow (i.e. for Hipped Roof)

Designation	Remarks	Part no.	Weight kg
For 27 mm tube	for type 3 and 5	GR 3402	1,0
Screw kit		BS 0840	

## Fixing

Attachment	Part no.	Weight kg
Bracket for railing with 1 tube	KS 1000	0,8
Extra washer for brackets without tube*	BR 5000	0,1

\* two washers for each bracket

## Screw kit

Used for ridge railing with tube	Number/packing.	Part no.	Weight kg
Type 2, 4 and 5 for grating	10 st	BS 2460	-
Type 3 and 5 for grating	10 st	BS 3500	-
Type 2, 4 and 5 for profiled grating	10 st	BS 2460	-
Type 3 and 5 for profiled grating	10 st	BS 3500	-

## SNOW GUARD

### Press Welded Grating

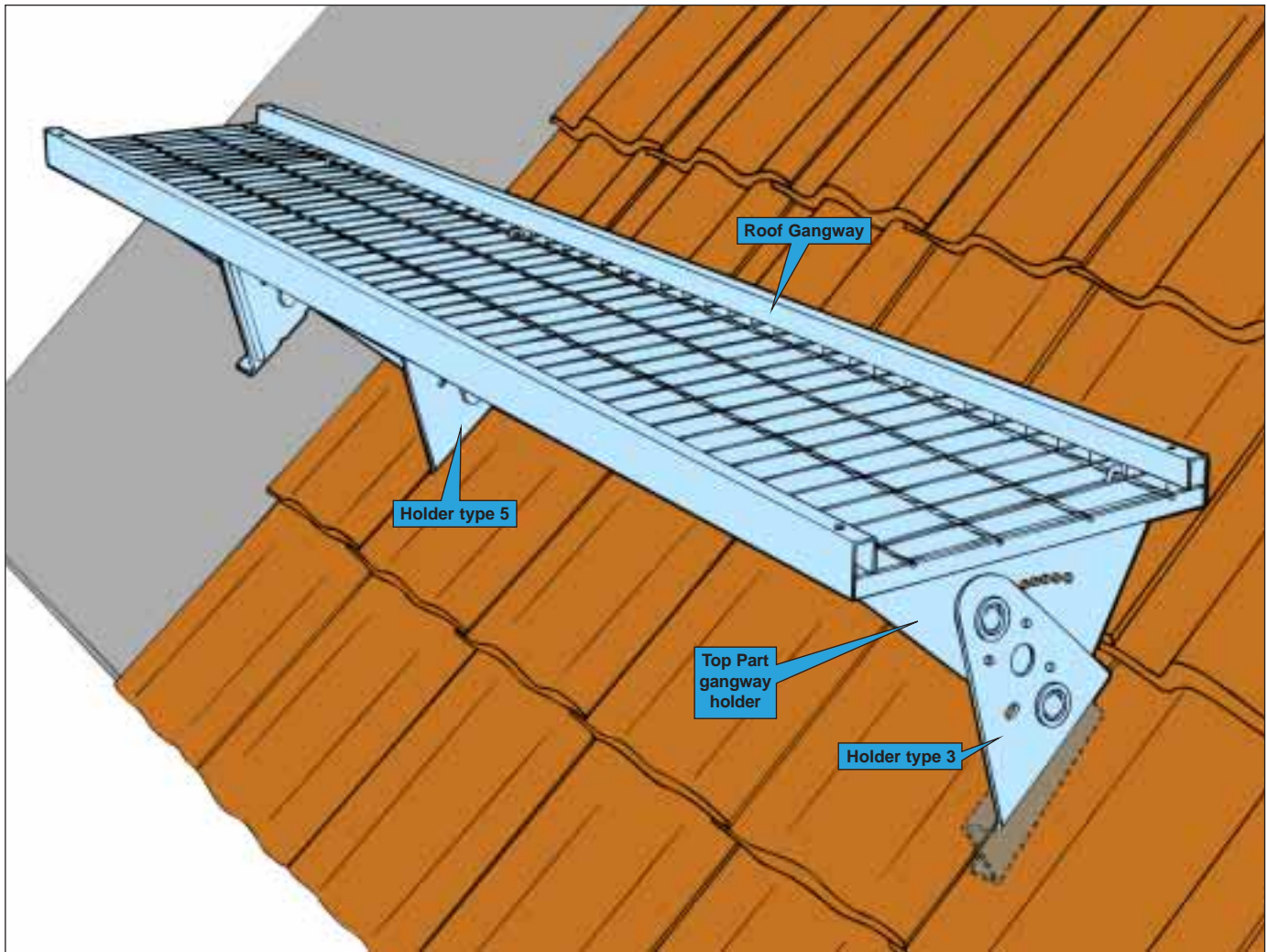
Length x Width	Part no.	Weight kg
1500 x 150	GL 1515	5,7
1800 x 150	GL 1815	6,8
2400 x 150	GL 2415	9,1
3000 x 150	GL 3015	11,3
Screw kit M8 x 20 (for 5 joints)	BS 0820	

### Profiled Grating

Length x Width	Part no.	Weight kg
1500 x 174	SS 1517	
1800 x 174	SS 1817	
2400 x 174	SS 2417	
3000 x 174	SS 3017	
Screw kit M8 x 20 (for 5 joints)	BS 0820	

Holders, see pages 139 - 142

# ROOF GANGWAYS



Weland Roof Gangways are approved for attaching life lines. This means that, if such a roof gangway is already installed, no special roof railing is required. Grating and fixing bracket are design protected.

## Holder type 3, for Roofing Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	Pantile, 50 mm batten	NB 3150	1,0
Holder Type 3	Pantile, 37 mm batten	NB 3137	1,0
Holder Type 3	Pantile, 25 mm batten	NB 3125	1,0
Holder Type 3	Pantile, batten holder	NB 3105	1,0
Holder Type 3	Double pantile, 50 mm batten	NB 3250	1,0
Holder Type 3	Double pantile, 37 mm batten	NB 3237	1,0
Holder Type 3	Double pantile, 25 mm batten	NB 3225	1,0
Holder Type 3	Double pantile, batten holder	NB 3205	1,0

## Holder Type 5, for Plain Roofs

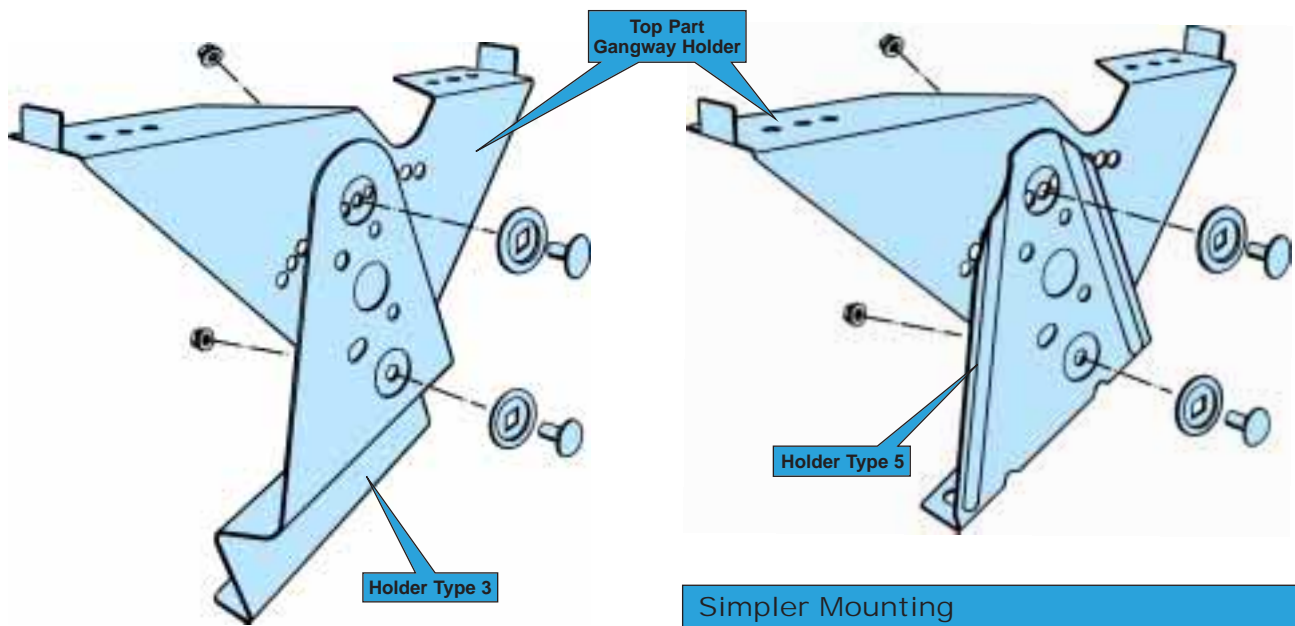
Designation	Roof Type	Part no.	Weight kg
Holder Type 5	plain roof	NB 5000	0,7
Rubber sealing	35 x 200 mm	GB 3520	0,1

## Holder Type 3, for Concrete Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	50 mm batten	NB 3350	1,0
Holder Type 3	37 mm batten	NB 3337	1,0
Holder Type 3	25 mm batten	NB 3325	1,0
Holder Type 3	Batten holder	NB 3305	1,0

## Top Part Gangway Holder (complete with screw)

Designation	Part no.	Weight kg
Fits all lower parts	OB 1000	1,1
Screw Kit for SG-Gangway	BS 1001	0,2
Screw Kit for PWG-Gangway	BS 1002	0,2

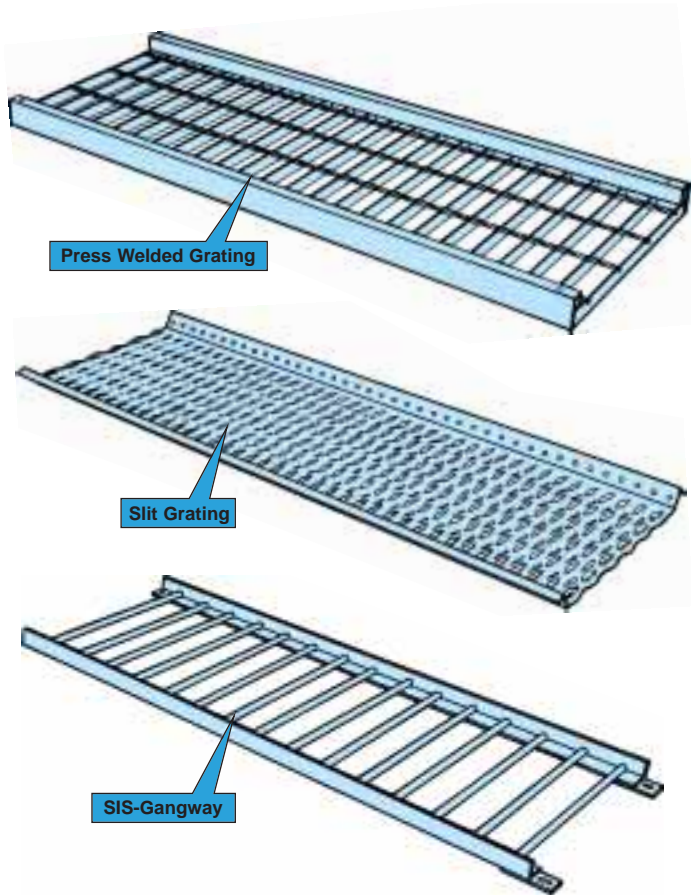


### Simpler Mounting

Weland roof gangways are now provided with a type of holder that simplifies the mounting. The holder is the same as holder type 3 for ridge-/eaven railing and safety railing (see page 136). This simplifies the stock keeping for retailers.

The design reduces the risk for personal injuries, as the braking is softer in case of slip and fall. The holder is suitable for principally all degrees of roof slope.

### Choose Type of Gangway after Requirement



### Press Welded Grating

„Self-cleaning“. Leaves and snow do not fasten that easily, firm stand irrespective of the weather.

Length x Width	Part no.	Weight kg
600 x 350 mm	GD 0635	4,5
1200 x 350 mm	GD 1235	8,5
2400 x 350 mm	GD 2435	16,0
Connecting Kit	SK 1900	0,4
Set of Stays (1 set per unit)	SB 2000	0,2

### Slit Grating

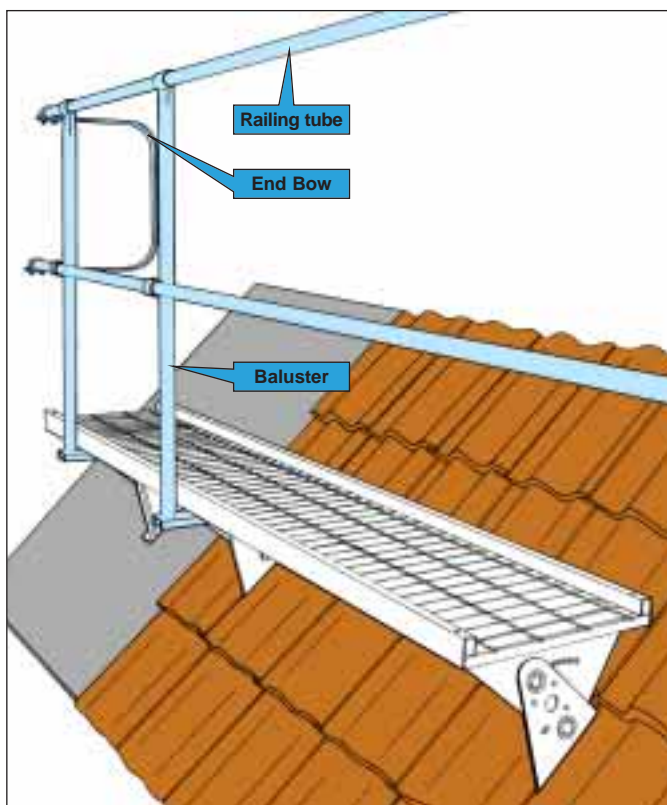
Offers better stand with ice and rain

Length x Width	Part no.	Weight kg
600 x 350 mm	UD 0635	4,0
1200 x 350 mm	UD 1235	8,0
2400 x 350 mm	UD 2435	15,0
Screw kit M10 x 30 (2 off/joint)	VB 1030	0,1
Set of Stays (1 set per unit)	SB 2000	0,2

### SIS-Gangway

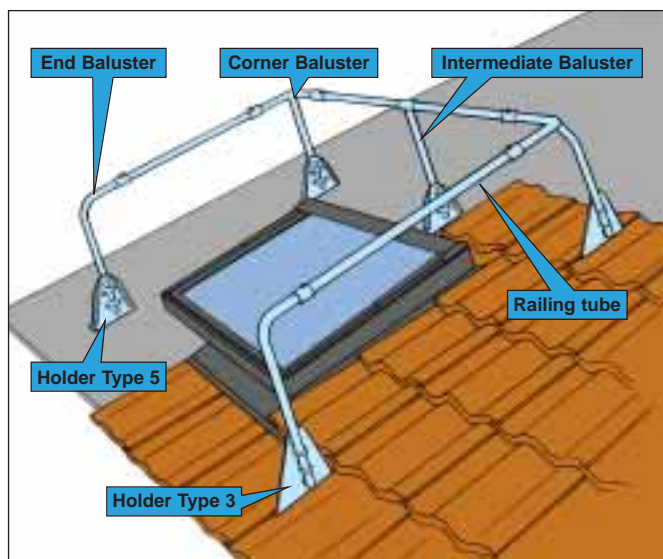
Gangway Module according to SIS. Is manufactured on requirement only.

# RAILING FOR ROOF GANGWAY



This railing is suitable for all types of Weland roof gangways. The fixing components, however, differ dependent on the type of gangway. When ordering, therefore, state the type of gangway.

# SAFETY RAILING FOR ROOFS



Intended for safety purposes around windows, fire ventilations, light wells etc.  
The height of balusters is 500 mm.  
Design according to SS 83 13 33.

## Holder Type 3, for Concrete Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	Pantile, 50 mm batten	NB 3150	1,0
Holder Type 3	Pantile, 37 mm batten	NB 3137	1,0
Holder Type 3	Pantile, 25 mm batten	NB 3125	1,0
Holder Type 3	Pantile, batten holder	NB 3105	1,0
Holder Type 3	Double pantile, 50 mm batten	NB 3250	1,0
Holder Type 3	Double pantile, 37 mm batten	NB 3237	1,0
Holder Type 3	Double pantile, 25 mm batten	NB 3225	1,0
Holder Type 3	Double pantile, batten holder	NB 3205	1,0

## Holder Type 3, for Roofing Tiles

Designation	Roof Type	Part no.	Weight kg
Holder Type 3	50 mm batten	NB 3350	1,0
Holder Type 3	37 mm batten	NB 3337	1,0
Holder Type 3	25 mm batten	NB 3325	1,0
Holder Type 3	Batten holder	NB 3305	1,0

## Holder Type 5, for plain Roofs

Designation	Roof Type	Part no.	Weight kg
Holder Type 5	plain roof	NB 5000	0,7
Rubber sealing	35 x 200 mm	GB 3520	0,1

## Railing tube

Designation	Part no.	Weight kg
Tube Ø 27 mm, reduced 3 m	RR 2730	5,0
Tube Ø 27 mm, 1 m	GR 3410	1,7
Screw kit for tube joint	BS 0840	

## Baluster

Designation	Part no.	Weight kg
End Baluster	SR 9001	1,4
Intermediate Baluster	SR 1802	0,9
Corner Baluster	SR 9002	1,9
Screw Kit for Tube	BS 0840	
Screw Kit for Holder	UB 0850	

Holders, see pages 139 - 142

## Baluster (state type of gangway)

Designation	Part no.	Weight kg
1000 mm height baluster	AB 1127	
Locking screw (2 off per baluster)	SS 5522	
Screw kit for PWG-gangway (for 2 off)	BS 1100	
Screw kit for SG-gangway (for 2 off)	VB 1030	

## Railing tube (pre-drilled lengths of 3 m)

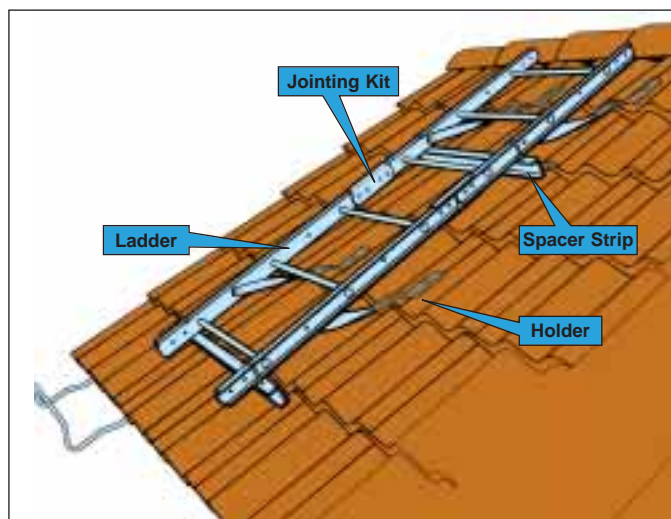
Designation	Part no.	Weight kg
Tube Ø 27 mm, reduced 3 m	RR 2730	5,0
Screw kit for tube joint	BS 0840	
Locking		

## End Bow

Designation	Part no.	Weight kg
End Bow with screw	AB 1100	



# ROOF ACCESS LADDER



Low weight ladder with good stability. The stringers are manufactured from roller formed C-profile. Rungs of tube with upset ends both on the inside and the outside for double safety. Design according to SS 83 13 32. This roof access ladder is fixed both at the upper and the lower end. Approved for attaching life line.

## Ladder

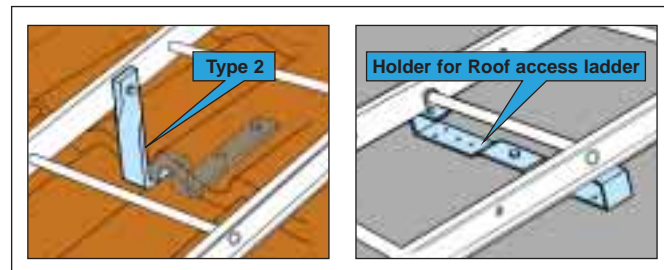
Length x Width	Part no.	Weight kg
1500 x 450 mm	ST 1545	7,0
1800 x 450 mm	ST 1845	8,4
2400 x 450 mm	ST 2445	11,2
3000 x 450 mm	ST 3045	14,2
3600 x 450 mm	ST 3645	17,2

## Jointing Kit (complete with screws)

Designation	Part no.	Weight kg
One kit required per ladder and joint	SK 7001	1,3

## Slide Protection Kit

Designation	Part no.	Weight kg
Slide Protection	WG 1000	1,2



## Holders and Spacer Strips

These holders can be used for practically all types of roof: Roofing / concrete tiles, plain roofs, trapeze sheet, pantile profiled sheet etc.

Designation	Part no.	Weight kg
Holder for plain roof	TS 7000	1,2
Holder for Roofing/concrete tiles	TS 7100	1,2
Screw kit for holder for (5 off)	BS 1025	
Spacer Strip Kit	TS 7001	1,0
Holder for grooved roof holder	TS 7200	
Screw Kit for TS 7200	BS 7200	
Screw Kit for Spacer Strip (2 off)	JK 0875	

Fixing every 5 m min, 2 pairs/ladder, spacers every 2,5 m.

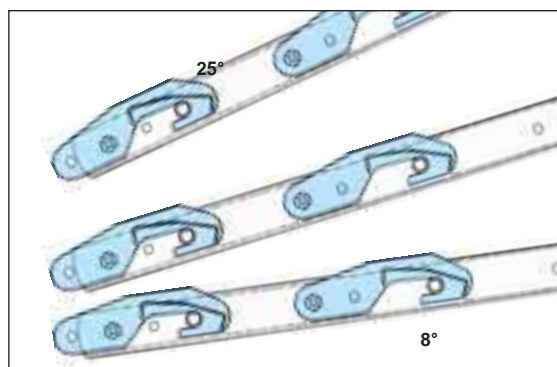
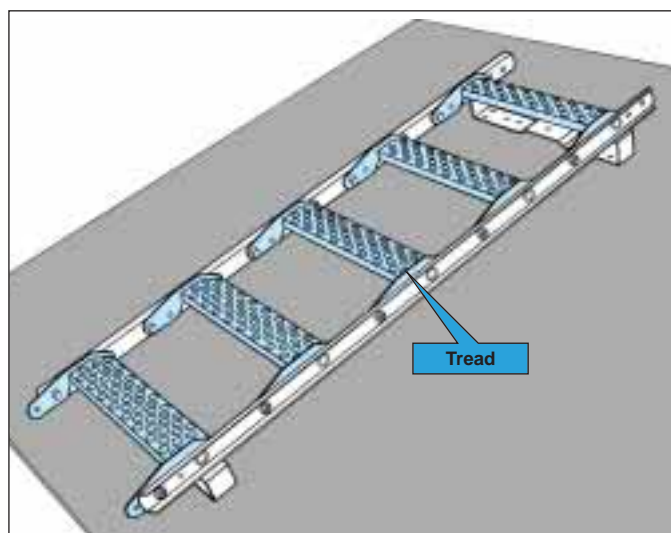
## Holders for Plain Roofs, Roofing/Concrete Tiles

Designation	Roof Type	Part no.	Weight kg
Holder type 2	Roofing and concrete tiles	TS 2000	1,9
Holder for roof access ladder	plain roof	TS 7200	
Rubber sealing 35 x 200 mm		GB 3520	1,0
Screw kit for holder (for 10 off)		BS 1025	

Fixing with maximum distance 2000 mm. Min. 2 pairs/ladder

# TREADS FOR ROOF ACCESS LADDERS

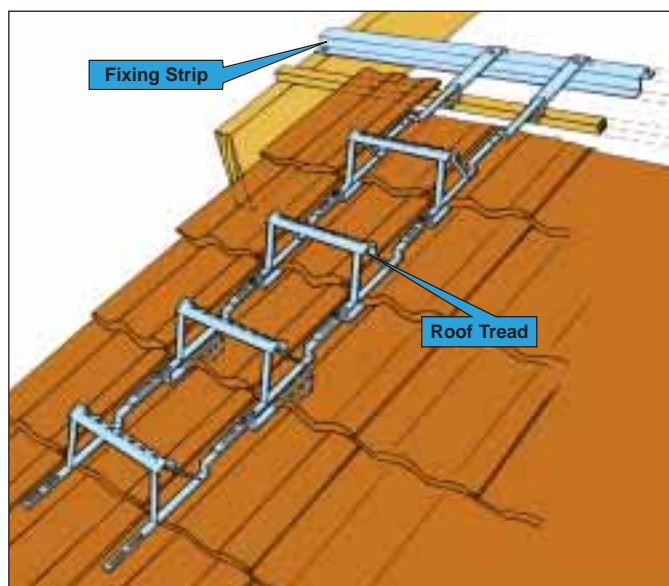
Loose treads of non-slip profiled steel sheet. The treads are hooked onto the rungs and secured with screws. The tread has an angled top face and can, therefore, be used for roof access ladders with roof slopes ranging from 8 to 25 degrees. Roof access ladders can be supplied with already mounted treads.



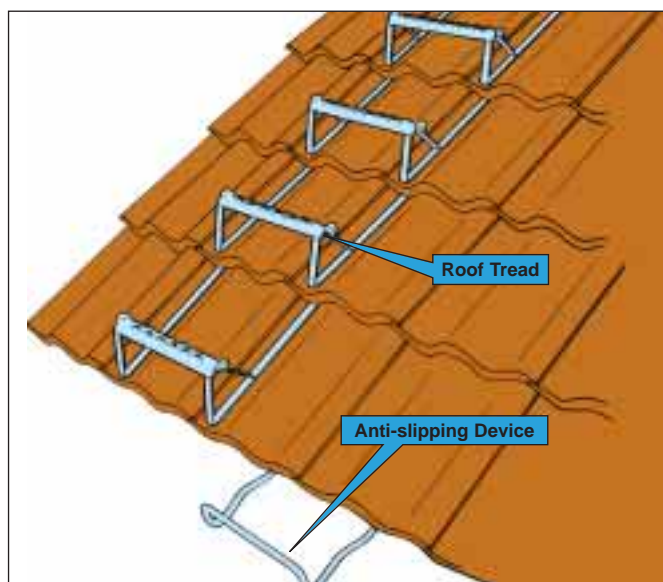
## Tread for Weland Roof Access Ladder

Designation	Part no.	Weight kg
Tread	TT 0825	
Screw kit (for 5 treads)	BS 1025	

# ROOF TREADS



These roof treads are supplied in loose parts for assembly on site. The treads are hooked onto the battens and connected to a „continuous“ ladder..



These roof treads have a round shape top face of non-slip profiled sheet. The round shape top face makes this roof tread suitable for practically any roof slope.

## Roof Treads

Designation	Part no.	Weight kg
Roof Tread for 25 mm supporting batten (1 off)	TS 0125	1,0
Roof Tread for 25 mm supporting batten (5 off)	TS 0525	5,0
Roof Tread for 45 mm supporting batten (1 off)	TS 0145	1,0
Roof Tread for 45 mm supporting batten (5 off)	TS 0545	5,0
Fixing Bar length L=700 mm	IS 0700	1,4
Fixing Bar length L=1300 mm	IS 1300	2,6
Screw Kit for Fixing Bar	BS 1307	0,2

## Roof Treads

Designation	Part no.	Weight kg
Pantile concrete / double pantile clay 25 mm batten	TS 1001	1,0
Pantile concrete / double pantile clay 50 mm batten	TS 2001	1,0
Double pantile concrete 25 mm batten	TS 1002	1,0
Double pantile concrete 50 mm batten	TS 2002	1,0
Pantile clay 25 mm batten	TS 1003	1,0
Pantile clay 50 mm batten	TS 2003	1,0

## Anti-slipping Device

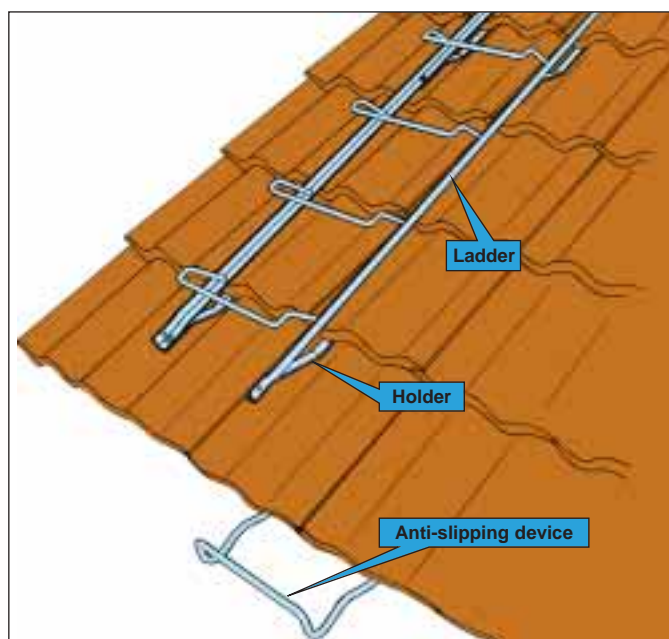
Designation	Part no.	Weight kg
Anti-slipping Device	WG 1000	1,2

## Anti-slipping Device

Designation	Part no.	Weight kg
Anti-slipping Device	WG 1000	1,2

# VILLA ROOF ACCESS LADDERS

The Weland access ladder is designed with built-in safety devices on the sides. The ladder has to be fixed both at the upper and the lower end. Approved for attaching life line. Hot dip galvanized.



## Ladder for Pantiles

Length x Width	Part no.	Weight kg
3000 x 380 mm	WS 3038	12,7
Screw kit for joint (for 5 pairs)	BS 1025	

## Ladder for Concrete Tiles

Length x Width	Part no.	Weight kg
1800 x 325 mm	WS 1832	7,8
2400 x 325 mm	WS 2432	9,0
3000 x 325 mm	WS 3032	11,7

## Holders

Designation	Part no.	Weight kg
Holder for steel sheet roof	WF 7000	1,2
Holder for Roofing/concrete tiles	WF 7100	1,2
Screw kit (for 5 pairs)	BS 1025	

## Anti-slipping Device

Designation	Part no.	Weight kg
Anti-slipping device	WG 1000	1,2

# HOW TO CHOOSE SUITABLE HOLDERS

Our mounting instructions have to be observed.

		Holder for life line	Ridge-/Eave railing type 3	Ridge-/Eave railing type 5	Ridge-/Eave railing type 2	Ridge-/Eave railing type 4	Snow guard grating	Snow guard profiled grating	Roof gangway grating	Roof gangway slit grating	Roof gangway as ladder, grating	Roof gangway as ladder, slit grating	Safety railing around hatch, type 3	Safety railing around hatch, type 5	Roof rung type tread / Roof tread	Access ladder villa roof type WS
17 mm groove and tongue ceiling	Counterstay of wood	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Counterstay of angle iron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Quick fixing device	X	1	1	1	1	X	X	X	X	X	X	1	1	X	X
	Base plate	X	X	X	X		X	X	X	X	X	X	X	X	X	X
22 mm groove and tongue ceiling	Counterstay of wood	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Counterstay of angle iron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Quick fixing device	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Base plate	X	X	X	X		X	X	X	X	X	X	X	X	X	X
Ceiling of plywood P 30 min. thickness 12.5 mm	Counterstay of wood	X	X	1	X	X	X	X	X	X	X	X	1 alt. 6	6	X	X
	Counterstay of angle iron	X	X	1	X	X	X	X	X	X	X	X	1 alt. 6	6	X	X
	Quick fixing device	X	3	N	X	3 alt. 7	X	X	X	X	X	X	1	6	X	X
	Base plate	X	X	X	X		X	X	X	X	X	X	X	X	X	X
Ceiling of plywood P 30 min. thickness 16 mm	Counterstay of wood	X	X	X	X	X	X	X	X	X	X	X	4	4	X	X
	Counterstay of angle iron	X	X	X	X	X	X	X	X	X	X	X	4	4	X	X
	Quick fixing device	X	2	N	X	1 alt. 5	X	X	X	X	X	X	1	4	X	X
	Base plate	X	X	X	X		X	X	X	X	X	X	X	X	X	X
Ceiling of plywood P 30 min. thickness 19 mm	Counterstay of wood	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Counterstay of angle iron	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Quick fixing device	X	1	X	X	X	X	X	X	X	X	X	1	X	X	X
	Base plate	X	X	X	X		X	X	X	X	X	X	X	X	X	X
Trapeze Sheet	Trapeze sheet of steel min. 0.5 mm	X		X		X	X	X	X	X	X			X	X	X
Pantile Profile	Pantile profiled steel sheet min. 0.5 mm	X		X		X	X	X	X	X	X			X	X	X
Folding steel sheet	Folding steel sheet, min. 0.6 mm	X		X		X	X	X	X	X	X			X	X	X

X) safe combination

1) Reinforcement plate, FP 1030

2) Reinforcement plate and 4 mm plywood

3) Reinforcement plate and 7 mm plywood

4) Reinforced with 4 mm plywood

5) Reinforced with 5 mm plywood

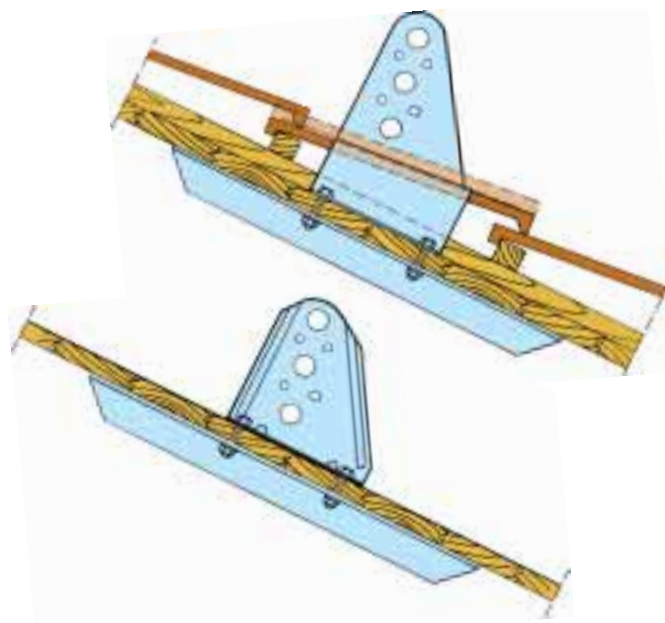
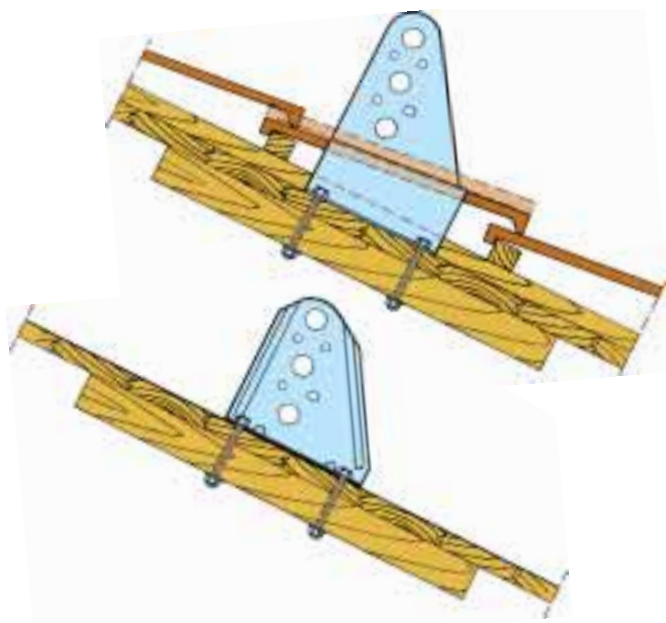
6) Reinforced with 7 mm plywood

7) Reinforced with 10 mm plywood

N) Unsafe combination

Empty squares = combination not possible

# FIXING WITH COUNTERSTAY



## Counterstay of wood

Designation	Dimension	Part no.	Weight kg
Counterstay of wood	500 mm	ML 5001	1,9
Screw kit for counterstay (for 5 off)	M10 x 100	BS 1010	0,2

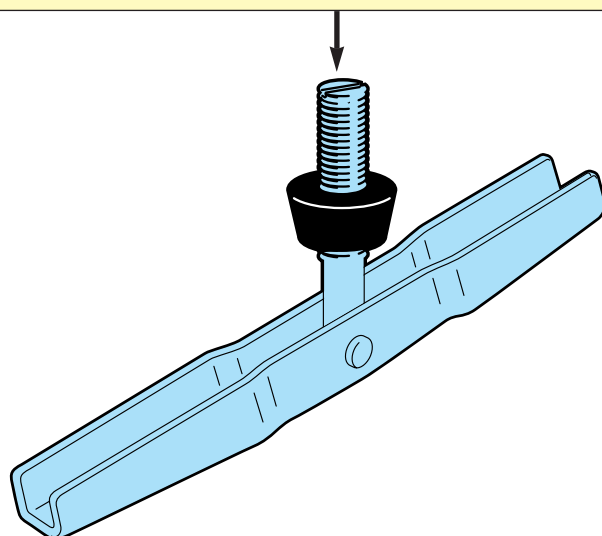
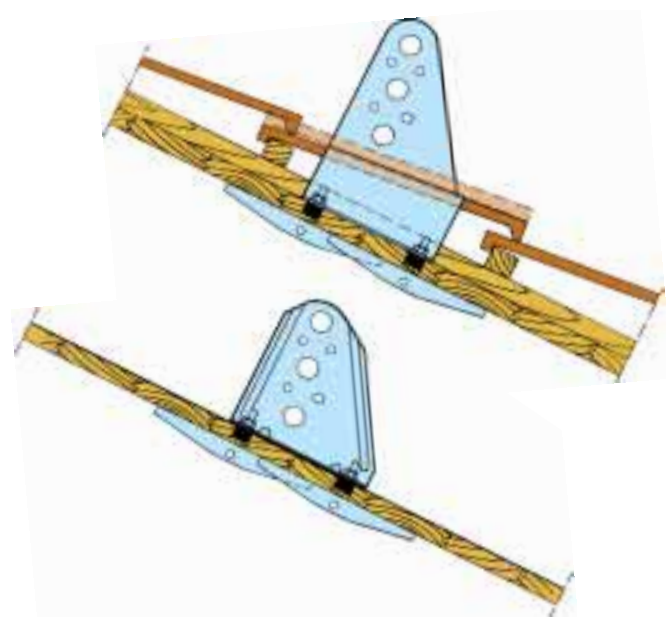
## Counterstay of angle iron

Designation	Dimension	Part no.	Weight kg
Angle iron	500 mm	ML 5002	1,9
Screw kit for angle iron (for 5 off)	M10 x 50	BS 1050	0,1

# FIXING WITH QUICK FIXING DEVICE

This Quick Fixing Device has been especially developed for mounting on eaves and other places where counterstays could not be used. Approved for all types of holders in 22 mm groove and tongue ceiling.

It is important to mount the quick fixing device square with the ceiling. You recognize the direction by the slot on the screw head.



## Quick fixing device

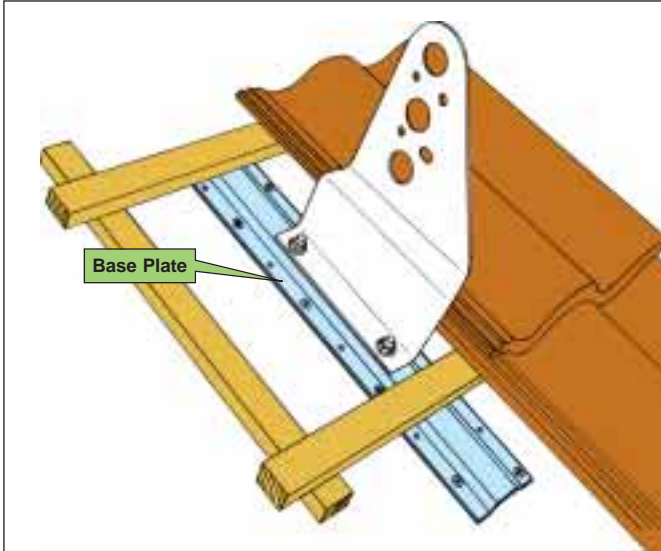
Designation	length of screw	Part no.	Weight kg
Quick fixing device with nut and washer	135 mm	SF1350	0,2
Quick fixing device with nut and washer	60 mm	SF0600	0,2
Rubber cone		SF 0002	-

## Tools

Designation	Part no.	Weight kg
Mounting tool	SF 0001	-
Universal drill	UB 2200	-
Drill, wood	TB 2200	-

# FIXING WITH BASE PLATE

Quick and simple fixing of all product groups. The base plate is an advantage in places where it is hard to get under the ceiling, i.e. air gap, insulated ceiling or converted attics. The base plate is approved for use down to 17 mm groove and tongue ceiling / 12 mm plywood.

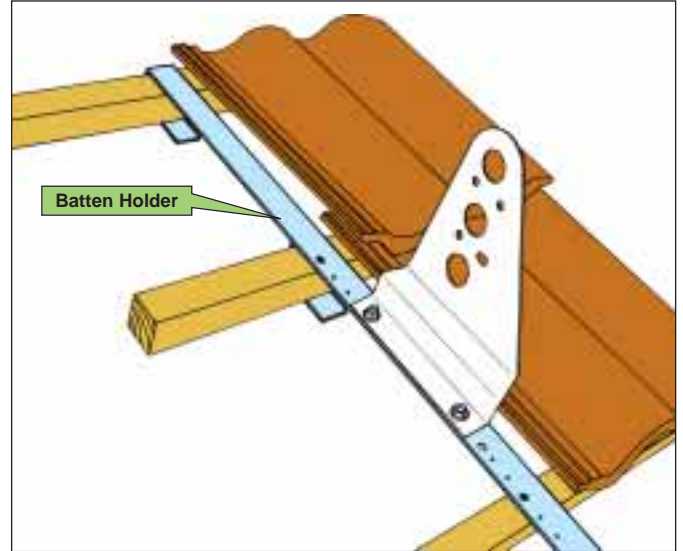


Base Plate

Designation	Part no.	Weight kg
Base plate	FP 1000	
Screw kit for base plate	TS 1000	

# FIXING WITH BATTEN HOLDER

Simple fixing for roofs with ceiling of plastic film, plywood or particle board where fixing in ceiling is not possible. Suitable for batten dimensions 45 x 70 mm. The holder is hooked onto the batten and anchored with anchor nails. The holder is approved for all product groups.

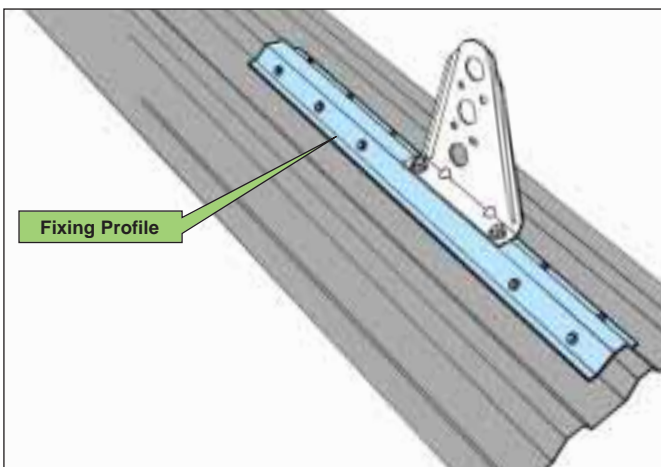


Batten Holder

Designation	Part no.	Weight kg
Batten holder	LF 1000	1,7
Screw kit for batten holder (for 5 off)	BS 1025	0,1

# FIXING WITH FIXING PROFILE

Weland Fixing Profile for roofs of profiled sheet. Fixing with self-cutting screw only, minimum thickness of steel sheet 0.5 mm. The fixing profile is approved for all product groups. When ordering state make and type of profiled sheet. Delivery ex stock for all usual types of profiled sheet.

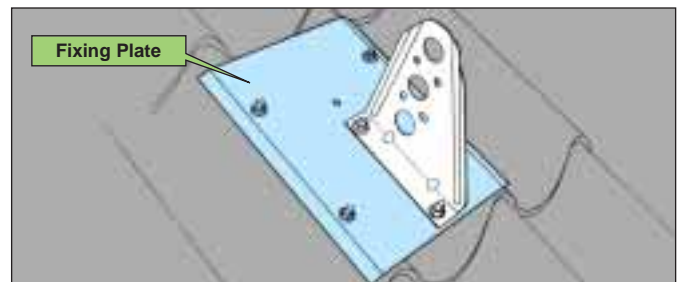


Fixing Profile

Designation	Part no.	Weight kg
Fixing profile 700 mm mit 2 bolts	IP 0700	1,5
Screw kit for fixing profile	VS 0700	0,1

# FIXING WITH FIXING PLATE

Weland Fixing Plate is used for all product groups applied on pantile profiled sheet roof and some types of trapeze sheet roof. The fixing plate is mounted with looped bolts slipped on from above. Approved for steel sheet with minimum 0.5 mm thickness.



Fixing Plate

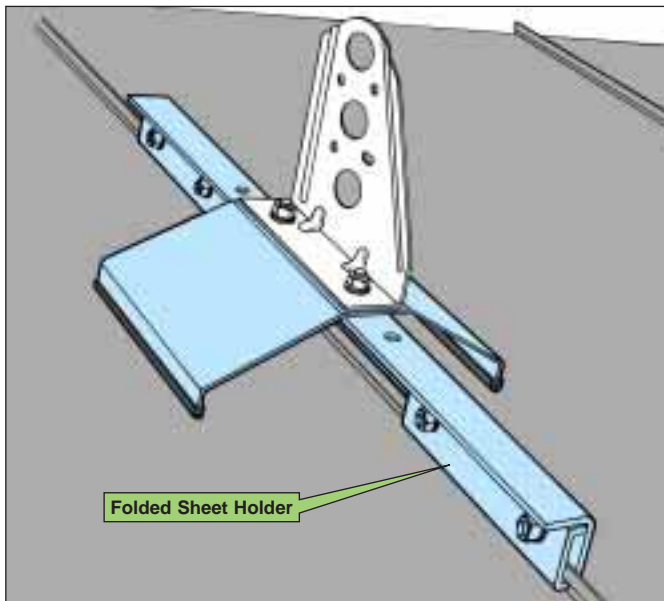
The types indicated below are kept in stock. All other types on requirement

Sheet type	Part no.	Weight kg
Icopal Decra	TP 1200	1,0
Solstad roof, Euro roof	TP 1300	1,0
Diplom	TP 1400	1,0
Pegel pantile type	TP 1500	1,0
Pegel double pantile type	TP 1501	1,0
Rapid *	TP 1600	1,0
Regola	TP 1700	1,0
Royal	TP 1800	1,0
Anna tile, Rydab tile	TP 5500	1,0
Screw kit for fixing plate	BS 0010	1,0
Universal fixing plate, c/c 170-220 mm	TP 1722	1,0

\* suitable also for Norsk, Carlsen tile

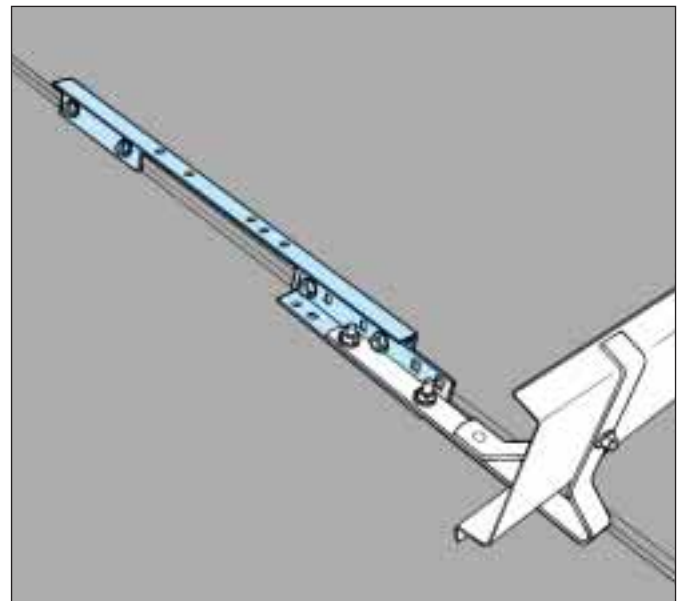
# HOLDER FOR ROOFS OF FOLDING SHEET

Weland holder for roofs of folded sheet. The fixing is done by squeezing the holder against the top fold, no holing required. The holder is suitable for all Weland product groups. The sheet must be double-folded.



**Folded Sheet Holder**

Designation	Part no.	Weight kg
Folded Sheet Holder	FF 0550	1,5
Fold support	FS 0190	1,0
Screw kit M10 x 25 (for 5 off)	BS 1025	0,1

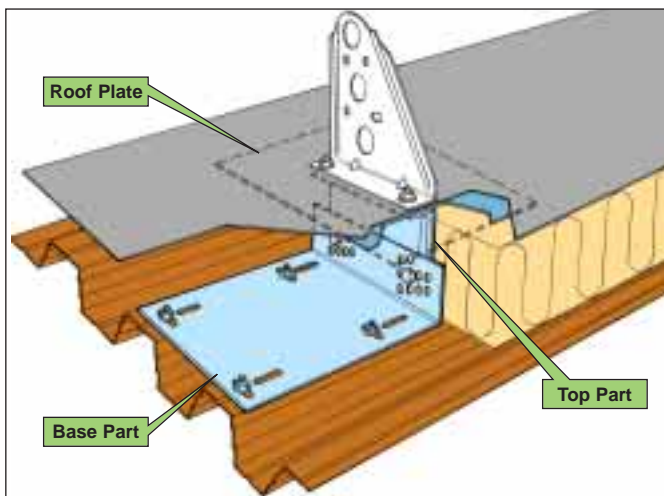


**Side Holder in Folding Sheet Holder for Snow Guard**

Designation	Part no.	Weight kg
Side holder	FS 3015	0,3
Bolt (for 2 side holders)	VB 1030	0,1

# HOLDER FOR INSULATED ROOFS OF STEEL SHEET

Weland Z-Profile for insulated roofs. Can be mounted on any type of profiled roof plate and fits all Weland product groups. Kept in stock. The Z-profile consists of a top part and a base part for adapting the holder to the thickness of the insulation. The parts are then bolted together.

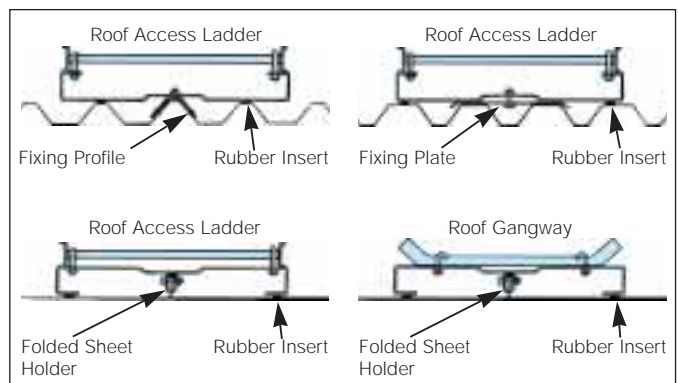
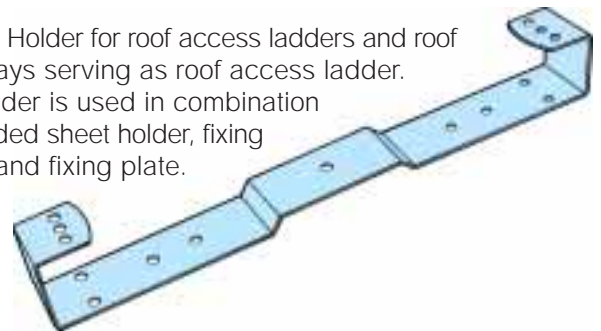


**Z-Profile**

Designation	Part no.	Weight kg
Base part	ZU 2625	1,35
Top part (total height 120-165 mm)	ZÖ 1216	0,45
Top part (total height 170-215 mm)	ZÖ 1721	0,60
Top part (total height 220-265 mm)	ZÖ 2226	0,75
Screw kit 1 off/holder	BZ 1000	0,60
Cover plate 1 off/holder	TP 3050	1,16
Rubber sealing 1 off/holder	GB 3520	-

# HOLDER FOR ROOF ACCESS LADDERS AND ROOF GANGWAYS

Weland Holder for roof access ladders and roof gangways serving as roof access ladder. The holder is used in combination with folded sheet holder, fixing profile and fixing plate.



**Holder for Roof Access Ladder/Roof Gangway**

Designation	Part no.	Weight kg
Holder	TS 7200	1,0
Screw kit for holder	BS 7200	0,5

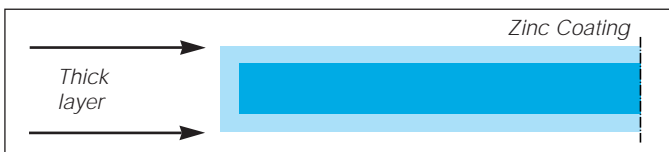
# SURFACE TREATMENT

## What is hot dip galvanizing?

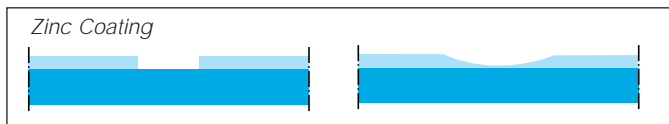
Products of steel to be protected against rust are dipped in a zinc bath with a temperature of approx. 455° C. When the steel comes into contact with the liquid zinc a reaction occurs between the two metals. Iron and zinc form an alloy and thus a perfect adherence is achieved. The thickness of the zinc layer is dependent on the composition of the steel.

Roof safety accessories are as standard hot dip galvanized, but can also be supplied powder coated in the required colour. The combination of hot dip galvanizing and powder coating gives a nice looking finish and on top of that an increased protection against rust.

Ask for our special brochure for varnished roof safety accessories!



The zinc layer in sharp corner sections is just as thick or even thicker than on plain surfaces.



If the surface is damaged, „self-healing“ occurs by anodically dissolved zinc covering the damaged spot.

97 % Zinc

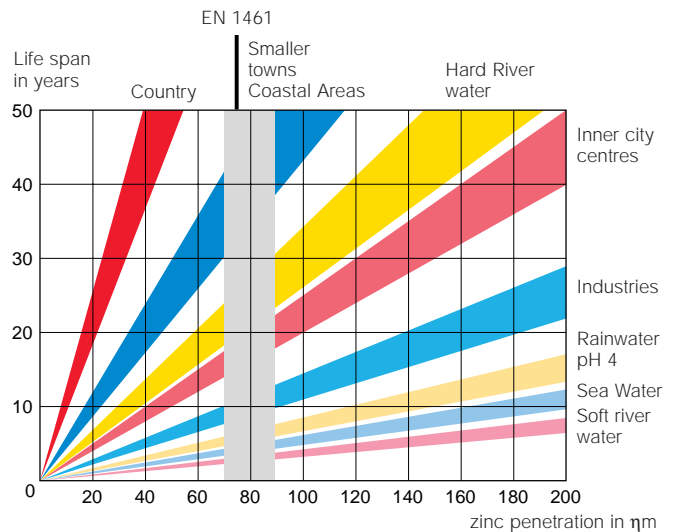
Iron-/zinc alloy

Steel



## Zinc Layer — Length of Life

The average length of life of different zinc layers in different environments is indicated in the table below.



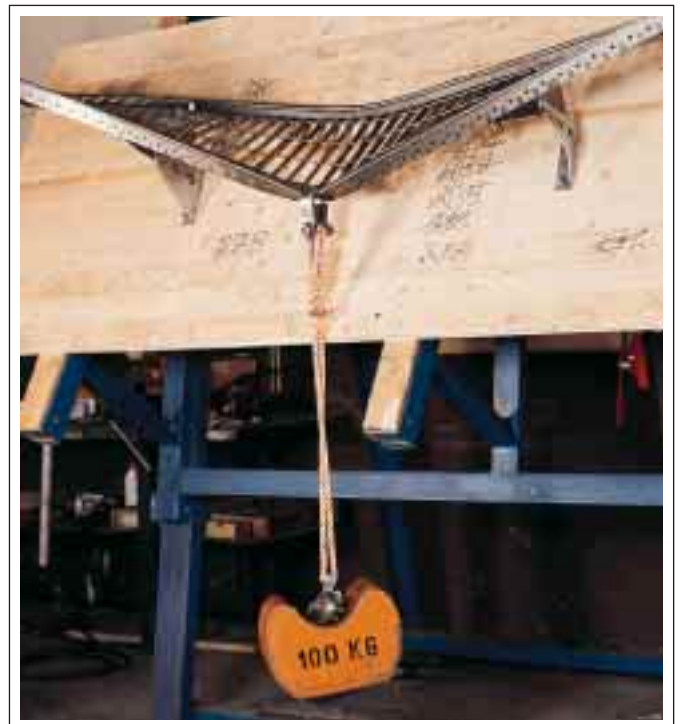
## DEVELOPEMENT AND TESTING

Weland Roof Safety Accessories are certified and approved by Statens Provnings- och Forskningsinstitut (National Testing and Research Institute) SP.

We continuously further develop our products and test them in our own testing plant applying the same methods as SP.

We are especially engaged in the research of deformation zones (same as on cars) with the objective of braking falling. Fixing components are further developed considering the requirements of fitters involved.

If you, as a user of our products, have points of view or suggestions these are invited with pleasure. Anything to further improve our products.



For detailed information — Ask for our brochure ROOF SAFETY ACCESSORIES!

**WELAND STÅL AB**