CATALOGUE 2026

Accessories for roofing



HimalayanRoof®

89 products · 14 categories

himalayanroof.pl

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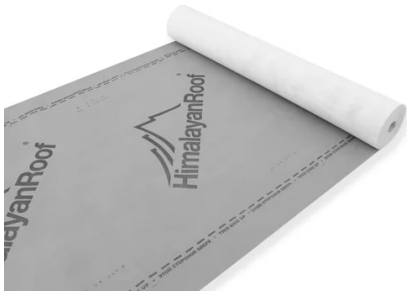
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01

Breathable roofing membranes

Underlay layer and tapes for joining it.



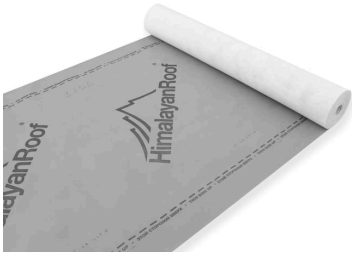
Roofing breather membranes are laid under the covering of pitched roofs as an underlay. They protect the thermal insulation and the structure from rain and snow blown in under metal roof tiles, trapezoidal sheet and standing seam roofing. They also shield against condensation that forms under the covering. They are vapour-permeable, so the roof stays dry, and a dry roof means lower energy use in the building.

The catalogue has five membranes: MD 90, 115, 135, 165 and 215. A roll measures 1.5 m × 50 m, which is 75 m². MD 135 and MD 165 come in a single-sided adhesive version, MD 165 and MD 215 in a double-sided adhesive version.

The membrane is chosen to suit the roof layout and the slope of the roof pitch. The parameters of each one are on its product card.

Breathable membrane MD 90

HR01019000



The lightest membrane in the range, laid as an underlay beneath metal roofing. It protects the structure and insulation from condensation forming under the roofing and from wind-driven rain and snow, while letting water vapour out. It comes only in the version without an adhesive strip. The heavier MD membranes have higher tensile strength, and MD 135, 165 and 215 also come in versions with adhesive strips.

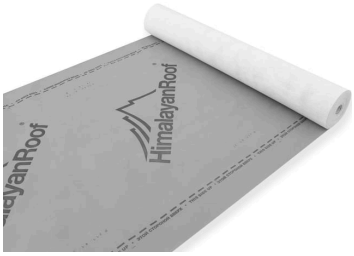
Surface weight	**90 g/m² ± 10%**
Number of layers	**3**
Vapour permeability [g/m²/24 h]	**›1700**
Sd – diffusion-equivalent air layer thickness	**0.02 (+0.03/–0.01) m**
Water penetration resistance	**W1**

Tensile strength, longitudinal	**150 ± 30 N/50 mm**
Tensile strength, transverse	**85 ± 20 N/50 mm**
Operating temperature range	**–30 to +80 °C**
UV stabilisation	**1 (direct), 3 (diffuse) months**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

Product number	Version	Roll	Pack
HR01019000	without adhesive strip	1.5 m × 50 m	75 m²

Breather membrane MD 115

HR01011500



A membrane for use under metal roofing, above habitable and non-habitable attics. It protects the thermal insulation and structure from condensation and wind-driven rain and snow, while letting water vapour out. It is heavier and has higher tensile strength than MD 90 and, like it, comes only without an adhesive strip. The laying instructions can be downloaded from the product page.

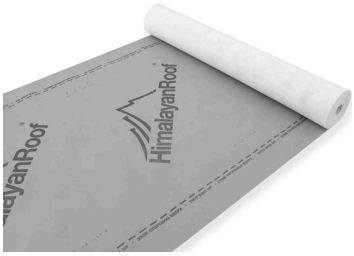
Surface weight	**115 g/m² ± 15%**
Number of layers	**3**
Vapour permeability [g/m²/24 h]	**›1700**
Sd – diffusion-equivalent air layer thickness	**0.02 (+0.03/−0.01) m**
Water penetration resistance	**W1**

Tensile strength, longitudinal	**190 ± 50 N/50 mm**
Tensile strength, transverse	**100 ± 40 N/50 mm**
Operating temperature range	**−30 to +80 °C**
UV stabilisation	**1 (direct), 3 (diffuse) months**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

Product number	Version	Roll	Pack
HR01011500	without adhesive strip	1.5 m × 50 m	75 m²

Breather membrane MD 135

HR01013500 2 variants



A membrane for use under metal roofing that protects against condensation and wind-driven rain and snow, while letting water vapour out. It has higher tensile strength than MD 90 and MD 115. It is the lightest membrane with an adhesive strip, available without a strip or with one strip.

Surface weight	**135 g/m² ± 15%**
Number of layers	**3**
Vapour permeability [g/m²/24 h]	**›1700**
Sd – diffusion-equivalent air layer thickness	**0.02 (+0.03/−0.01) m**
Water penetration resistance	**W1**

Tensile strength, longitudinal	**230 ± 60 N/50 mm**
Tensile strength, transverse	**120 ± 40 N/50 mm**
Operating temperature range	**−30 to +80 °C**
UV stabilisation	**1 (direct), 3 (diffuse) months**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

Product number	Version	Roll	Pack
HR01013500	without adhesive strip	1.5 m × 50 m	75 m²
HR01083500	single-sided adhesive	1.5 m × 50 m	75 m²

Breather membrane MD 165

HR01016500 3 variants



A membrane for use under metal roofing, heavier and with higher tensile strength than MD 135. It protects the insulation and structure from condensation and wind-driven rain and snow, while letting water vapour out. It is the only one available in three versions: without an adhesive strip, with one strip or with two. The laying instructions can be downloaded from the product page.

Surface weight	**165 g/m² ± 15%**
Number of layers	**3**
Vapour permeability [g/m²/24 h]	**›1700**
Sd – diffusion-equivalent air layer thickness	**0.02 (+0.04/–0.01) m**
Water penetration resistance	**W1**

Tensile strength, longitudinal	**270 ± 60 N/50 mm**
Tensile strength, transverse	**140 ± 35 N/50 mm**
Operating temperature range	**–30 to +80 °C**
UV stabilisation	**1 (direct), 3 (diffuse) months**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

Product number	Version	Roll	Pack
HR01016500	without adhesive strip	1.5 m × 50 m	75 m²
HR01086500	single-sided adhesive	1.5 m × 50 m	75 m²
HR01066500	double-sided adhesive	1.5 m × 50 m	75 m²

Breather membrane MD 215

HR01071500



The heaviest membrane in the range with the highest tensile strength, laid under metal roofing. It protects the insulation and structure from condensation and wind-driven rain and snow. It has an Sd of 0.04 m, while the other MD membranes have 0.02 m. It comes only in the version with two adhesive strips.

Surface weight	**215 g/m² ± 10%**
Number of layers	**3**
Vapour permeability [g/m²/24 h]	**›1700**
Sd – diffusion-equivalent air layer thickness	**0.04 ± 0.02 m**
Water penetration resistance	**W1**
Tensile strength, longitudinal	**320 ± 60 N/50 mm**

Tensile strength, transverse	**180 ± 50 N/50 mm**
Operating temperature range	**–30 to +80 °C**
UV stabilisation	**1 (direct), 3 (diffuse) months**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

Product number	Version	Roll	Pack
HR01071500	double-sided adhesive	1.5 m × 50 m	75 m²

Self-adhesive tapes

The tapes join membrane strips and bond membranes to various kinds of substrate. They also seal the joints between membranes and the roof timber structure and masonry.

Self-adhesive tape

HR01050100 2 variants



Two tapes for working with membranes. W1 is single-sided adhesive, with a PP non-woven carrier and rubber adhesive, and is used for bonding and repairing membranes. N2 is double-sided adhesive, with a mesh carrier and acrylic adhesive, and joins PE and PP films and other materials. The membrane laying instructions recommend bonding the overlaps and sealing the joints at the counter battens.

product number	tape	kind	carrier	adhesive	application	dimensions [cm x m]	pack
HR01050100	W1	single-sided adhesive	PP nonwoven	rubber	bonding and repair of membranes	5 x 20	24 pcs
HR01050301	N2	double-sided adhesive	mesh	acrylic	joining PE, PP films and other materials	1.9 x 25	32 pcs

Vapour barriers

FPI 180AL

HR01048000

A metallised vapour barrier foil reinforced with PP mesh. It is laid on the side of the heated room, under the insulation of a pitched roof, flat roof or wall. It stops water vapour before it reaches the insulation, and the metallised layer reflects heat back into the interior.

Of the three FPI foils it has the greatest weight, 180 g/m², and the highest tensile strength. Its Sd is about 50 m, the same as FPI 90AL. The overlaps are bonded with double-sided adhesive tape.

Surface weight	**180 g/m² ± 20%**
Sd – diffusion-equivalent air layer thickness [m]	**~50**
Tensile strength, longitudinal [N/50 mm]	**min 280**
Tensile strength, transverse [N/50 mm]	**min 200**
Operating temperature range	**−30 to +70 °C**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

FPI 150AL

HR01045000

A metallised vapour barrier foil reinforced with PP mesh, laid on the side of the heated room, under the insulation of a pitched roof, flat roof or wall. It stops water vapour before it reaches the insulation, and the metallised layer reflects heat back into the interior.

Of the three FPI foils it has the highest diffusion resistance, Sd about 70 m, at a weight of 150 g/m². The overlaps are bonded with double-sided adhesive tape.

Surface weight	**150 g/m² ± 20%**
Sd – diffusion-equivalent air layer thickness [m]	**~70**
Tensile strength, longitudinal [N/50 mm]	**min 260**
Tensile strength, transverse [N/50 mm]	**min 170**
Operating temperature range	**−30 to +70 °C**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

FPI 90AL

HR01049000

A metallised vapour barrier foil reinforced with PP mesh, laid on the side of the heated room, under the insulation of a pitched roof, flat roof or wall. It stops water vapour before it reaches the insulation, and the metallised layer reflects heat back into the interior.

This is the lightest of the three FPI foils, 90 g/m², with an Sd of about 50 m, the same as FPI 180AL, but with lower tensile strength. The overlaps are bonded with double-sided adhesive tape.

Surface weight	**90 g/m² ± 25%**
Sd – diffusion-equivalent air layer thickness [m]	**~50**
Tensile strength, longitudinal [N/50 mm]	**min 220**
Tensile strength, transverse [N/50 mm]	**min 150**
Operating temperature range	**−30 to +70 °C**
Standard roll dimensions	**1.5 × 50 m**
Fire resistance class	**E**

02

Ridge accessories

Ventilation and sealing of ridges and hips.



Ridge rolls are used on ventilated pitched roofs where the covering lies on battens and counter battens. They are fixed on the ridge and hips, over the covering already laid. They carry away from the loft water vapour that passes through the roof layers, while protecting against water, snow and dust.

Three tapes are on offer. Himalayan Ridge has edges of aluminium coated with UV-resistant paints and a centre of highly breathable fabric, in widths of 240, 310 or 400 mm. The 240 and 310 mm widths come in black, brick red, brown and cherry. Himavent is a technical fabric tape for roofs covered with metal roof tiles, 175 mm wide, graphite in colour. The aluminium tape is made of pleated aluminium.

Each has a 20 mm wide strip of butyl and a 5 m roll. Butyl bonds to smooth and porous surfaces, but the substrate must be free of grease and dust.

Ridge rolls

Himalayan Ridge tape

HR02012401 8 variants



Ridge tape for sealing and ventilating the ridge and hips of the roof. It is laid on the finished roof covering, under the ridge caps, on ventilated pitched roofs with battens and counter battens.

Water vapour from the attic escapes through the breathable fabric in the middle. Water, snow and dust stay outside.

Two strips of aluminium tape, painted with polyester paint, are stitched to a polypropylene fabric. On the underside, along the edges, they have strips of butyl adhesive. The profiled edges let the tape be laid on any type of roof covering and carry rainwater away.

Butyl bonds to smooth and porous surfaces. The surface to be bonded must be clean, free of dust and grease.

Material	**Edges - aluminium coated with UV-resistant paints, centre - highly breathable fabric**
Coating	**Polyester, min. 10 µm**
Adhesive layer	**Butyl 20 mm wide with very good adhesive properties**
Roll length	**5 m**
Carton pack	**4**
Pallet pack	**120**

APPLICATION sealing and ventilation of the ridge and hips of the roof

product no.	width [mm]	colour
HR02012401	240	black
HR02012402	240	brick red
HR02012403	240	brown
HR02012409	240	cherry

Himalayan Ridge tape

HR02012401 2/2

product no.	width [mm]	colour
HR02013101	310	black
HR02013102	310	brick red
HR02013103	310	brown
HR02013109	310	cherry

Himavent Basic tape

HR02041706



Himavent is a ridge tape intended for roofs covered with metal roof tiles. It is laid on the ridge and hips, on the finished roofing, and water vapour escapes from the attic through the technical fabric. It differs from Himalayan Ridge in having one width, 175 mm, and one colour, graphite.

Material	**Edges – aluminium laminate 0.14 mm, 35 mm wide, centre – technical nonwoven (polypropylene or polyethylene)**
Air permeability	**380 cm³/cm²/s**
Adhesive layer	**Butyl 20 mm wide with very good adhesive properties**

Roll length	**5 m**
Product no.	**HR02041706**
Width	**175 mm**
Carton pack	**3**
Pallet pack	**120**
Colour	**anthracite grey**

APPLICATION ventilation of the ridge and hips on roofs covered with metal roof tiles

Aluminium ridge roll

HR020530··



A ridge tape made of pleated aluminium, with a strip of butyl. It is laid on the ridge and hips, where it ventilates the roof and protects against water, snow and dust. It differs from Himalayan Ridge and Himavent in its material, being all aluminium, without fabric.

Material	**Pleated aluminium 0.12–0.14 mm, painted with polyester paint**
Ventilation opening area	**145 cm²/m**
Adhesive layer	**Butyl 20 mm wide with very good adhesive properties**

Roll length	**5 m**
Width	**300 mm**
Carton pack	**4**
Pallet pack	**120**

APPLICATION ventilation of the ridge and hips

Ridge batten brackets

The brackets hold the ridge batten. They let you set its height and level it. Different bracket widths and nail lengths allow different battens to be used and fitted on roofs of different pitch. The range includes type BL brackets of sheet metal, type GW brackets with a nail, and an adjustable bracket.

Ridge batten bracket type BL - sheet metal

HR02093000 3 variants



A bracket made of zinc-plated sheet, on which the ridge or hip batten is fixed. It allows the batten height to be set and levelled. It differs from the GW bracket in being made of sheet only, without a nail, and also has a 30 mm spacing.

Material	**Galvanised steel flat bar 1.5 × 50 mm**
Carton pack	**50**
Pallet pack	**4000**

APPLICATION fixing the ridge and hip batten

product no.	bracket spacing [mm]
HR02093000	30
HR02094000	40
HR02095000	50

Ridge batten bracket type GW - nail

HR02084100 10 variants



A bracket with a nail, made of zinc-plated steel, for fixing the ridge and hip batten. It allows the batten height to be set and levelled. It has a spacing of 40 or 50 mm and a length from 180 to 310 mm, and to special order also a spacing of 30 and 60 mm.

Material	**Zinc-plated steel**
Construction	**Steel sheet 1.5–2.0 mm joined to a Ø 7 mm nail**
Pack - carton	**50**
Pallet pack	**4000**

APPLICATION fixing the ridge and hip batten

product no.	bracket spacing [mm]	length [mm]
HR02084100	40	180
HR02084200	40	210
HR02084300	40	230
HR02084400	40	260
HR02084500	40	310
HR02085100	50	180
HR02085200	50	210
HR02085300	50	230
HR02085400	50	260
HR02085500	50	310

Adjustable ridge batten bracket

HR0212··



An adjustable bracket that allows the ridge batten height to be set and levelled. Alongside the BL and GW brackets, it is the third way of fixing the batten.

Pack **100 pcs**

APPLICATION fixing the ridge batten

Product number	Finish	Pack [pcs]
HR0212··	adjustable	100

·· = RAL colour code

03

Chimney flashing



Sealing where the roof covering meets a chimney or wall.

The junction of the covering with the chimney wall is especially prone to leaks and is one of the harder spots when forming the roof pitch. Chimney flashing tapes form a barrier against rainwater there. They resist frost, UV radiation and ageing. They seal the joint between roof and chimney and between roof and wall.

Rooflex 3D is an aluminium tape, 310 mm wide, in four colours. Rooflex PB has pleated lead 0.4 mm thick, and Rooflex PB Flat lead 0.5 mm thick. Both are coated with polyester paint, are 300 mm wide and come in seven colours. Rooflex PB3 is 0.3 mm thick.

Rooflex 3D, PB and PB Flat have a layer of butyl adhesive. Each tape roll is 5 m long.

Rooflex 3D

HR03013101 4 variants



A chimney flashing tape made of pleated aluminium with butyl adhesive, for sealing the junction of the roof with the chimney and with the wall. It is resistant to frost, UV radiation and ageing. It differs from Rooflex PB in its material, aluminium instead of lead, its width of 310 mm and its colours, as there are only four, without brick red and graphite.

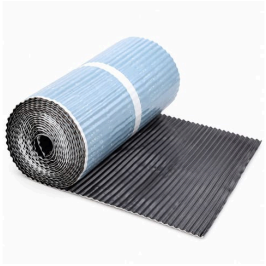
Material	**Pleated aluminium coated on one side with a layer of butyl adhesive**
Adhesive layer	**Layer of butyl adhesive with very good adhesive properties**
Roll length	**5 m**
Width	**310 mm**
Carton pack	**1**
Pallet pack	**120**

APPLICATION sealing roof-to-chimney and roof-to-wall junctions

product no.	colour
HR03013101	black
HR03013103	brown
HR03013105	chestnut
HR03013107	red

Rooflex PB

HR03023001 8 variants



A chimney flashing tape made of pleated lead, painted with polyester paint, with butyl adhesive. It seals the junction of the roof with the chimney and with the wall. It is 0.4 mm thick and comes in seven colours. The thinner PB3 version is 0.3 mm, and its width and colours are available on request.

Material	**Pleated lead 0.4 mm (PB) or 0.3 mm (PB3) thick, painted with polyester paint**
Adhesive layer	**Layer of butyl adhesive with very good adhesive properties**
Roll length	**5 m**
Width	**300 mm**
Carton pack	**1 pc**
Pallet pack	**80 pcs**

APPLICATION sealing roof-to-chimney and roof-to-wall junctions

product no.	Thickness [mm]	colour
HR03023001	0.4 (PB)	black
HR03023002	0.4 (PB)	brick red
HR03023003	0.4 (PB)	brown
HR03023004	0.4 (PB)	dark brown
HR03023005	0.4 (PB)	chestnut
HR03023006	0.4 (PB)	anthracite grey
HR03023007	0.4 (PB)	red
HR030233··	0.3 (PB3)	—

·· = RAL colour code

Rooflex PB Flat

HR03033001 7 variants



A chimney flashing tape made of lead painted with polyester paint, with butyl adhesive, for sealing the junction of the roof with the chimney and with the wall. Unlike Rooflex PB it is not pleated and is thicker, 0.5 mm. Its width of 300 mm and seven colours are the same as for PB.

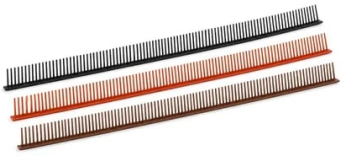
Material	**Lead 0.5 mm thick, painted with polyester paint**
Adhesive layer	**Layer of butyl adhesive with very good adhesive properties**
Roll length	**5 m**
Width	**300 mm**
Carton pack	**1 pc**
Pallet pack	**80 pcs**

APPLICATION sealing roof-to-chimney and roof-to-wall junctions

product no.	colour
HR03033001	black
HR03033002	brick red
HR03033003	brown
HR03033004	dark brown
HR03033005	chestnut
HR03033006	anthracite grey
HR03033007	red

04

Eaves accessories



Protects the eaves from birds, rodents and insects while letting air flow under the roof slope.

The combs protect the open space at the eaves from birds, rodents and insects that could damage the thermal insulation. Air flows through them from the eaves towards the ridge. The combs are made of through-coloured polypropylene, are 1 m long and come in black, brick red or brown. A height of 55, 65, 80 or 100 mm is chosen to suit the profile of the covering.

Eaves comb fillers

Flat eaves combs

HR05015501 4 variants



The comb closes the open space at the eaves against birds, rodents and insects, while letting air through towards the ridge. The comb height is chosen according to the roofing profile. The table includes a 55 mm comb in three colours and a 65 comb (HR050165··) packed 100 pcs. If a ventilation grille is also needed at the eaves, there is a comb with a grille.

Material	**Through-coloured polypropylene**
Length	**1 m**

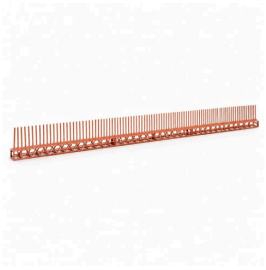
APPLICATION protecting the eaves against birds, rodents and insects

product no.	comb height [mm]	carton pack [pcs]	pallet pack [pcs]	colour
HR05015501	55	100	6000	black
HR05015502	55	100	6000	brick red
HR05015503	55	100	6000	brown
HR050165··	—	100	—	—

·· = RAL colour code

Eaves combs with ventilation grille

HR05026001 3 variants



This is an eaves comb combined with a ventilation grille. The comb closes the eaves against birds, rodents and insects, while the grille lets air in under the roof pitch and replaces an additional eaves batten. The comb is 60 mm high, in black, brick red or brown.

Material	**Through-coloured polypropylene**
Ventilation grille height	**25 mm**
Length	**1 m**
Comb height	**60 mm**
Carton pack	**60 pcs**
Pallet pack	**960 pcs**

APPLICATION protecting the eaves against birds, rodents and insects

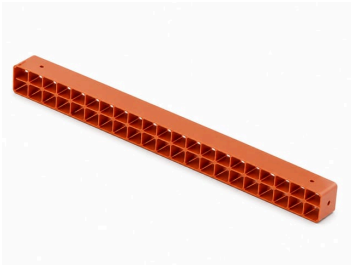
product no.	colour
HR05026001	black
HR05026002	brick red
HR05026003	brown

Eaves grilles and mesh

The ventilation grille improves the ventilation of the roof pitch. It replaces an additional eaves batten and keeps birds, rodents and large insects out from under the pitch. It is 25 mm high and 1 m long. The mesh protects in the same way and lets air into the space under the pitch. It is 80 or 100 mm wide and 5 m long.

Eaves ventilation grille

HR05036001 3 variants



The ventilation grille lets air in under the roof pitch and replaces an additional eaves batten. Like the comb, it keeps birds, rodents and large insects out from under the roofing. It differs from the comb in that it has a single height, 25 mm, and is not matched to the roofing profile.

Material	**Through-coloured polypropylene**
Ventilation grille height	**25 mm**
Length	**1 m**
Carton pack	**30 pcs**
Pallet pack	**1800 pcs**

APPLICATION ventilating the eaves and protecting them against birds, rodents and insects

product no.	colour
HR05036001	black
HR05036002	brick red
HR05036003	brown

Bird protection mesh

HR05048001 6 variants



The mesh lets air into the space under the roof pitch and keeps out birds, rodents and large insects. It protects the eaves in the same way as the comb, but comes in a 5 m roll, in a width of 80 or 100 mm. Black, brick red or brown.

Material	**Through-coloured polypropylene**
Length	**5 m**
Carton pack	**20 pcs**
Pallet pack	**840 pcs**

APPLICATION protection of the eaves part of the roof

product no.	width [mm]	colour
HR05048001	80	black
HR05048002	80	brick red
HR05048003	80	brown
HR05041001	100	black
HR05041002	100	brick red
HR05041003	100	brown

05



Fasteners

Info-GLOBAL screws for sheet metal and timber.

Info-GLOBAL AR2 and AR2 UFO screws fasten sheet metal to a timber structure. AR0 and AR0 UFO join thin steel sheets in an overlap. They are self-drilling, self-tapping screws made of hardened carbon steel, 4.8 mm in diameter. AR2 with a hex head comes in lengths from 20 to 100 mm.

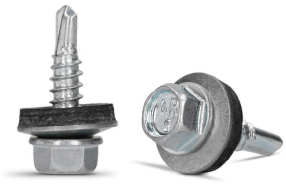
The Ø14 washer, and on AR2 80 and 100 mm also the Ø19 one, has EPDM bonded to it. The UFO versions have an oval head with a TORX® T20 socket and a coating: 12 µm zinc plating. Every size is zinc-plated or painted in a RAL colour. AR0 without a washer is zinc-plated only.

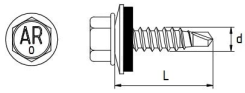
For timber there are two zinc-plated carbon steel screws. The HR 8,0xL timber screw, in lengths from 80 to 400 mm, is used to fix angle brackets and roof timberwork. The 6.0 adjustment screw, in lengths of 80, 100, 120 and 145 mm, sets the gap between timber elements: it levels battens and floors, and brings wall structures to plumb.

Screws for joining sheets

AR0 4,8xL

024820Z1 3 variants





AR0 is a screw for joining thin steel sheets in an overlap, each 0.5 to 1.0 mm thick; sheet is fixed to a timber structure with the AR2 screw. It is made of hardened carbon steel, self-drilling and self-tapping, so no pilot hole is needed. The versions differ in the washer, because the screw comes without a washer or with a Ø14 EPDM washer, zinc-plated steel (Z4) or aluminium (A4). The 8 mm hex head is driven with an M8 magnetic socket or an S8 spring socket.

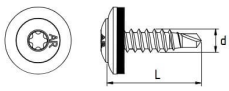
Version with Ø14 washer	**Zinc-plated or painted in a RAL colour; version without washer: zinc-plated.**
Material	**carbon steel SAE 1022**
Head size	**8 mm**
Corrosion protection	**zinc coating min. 12 µm**
EPDM washer	**zinc-plated Ø14 (Z4) / aluminium Ø14 (A4)**
Paint coating	**polyester, UV-resistant, thickness 50–60 µm, in the colour of the roof covering**
Field of application	**joining thin steel sheets together in an overlap**
European Technical Assessment	**ETA-18/0789**

index	diameter d [mm]	length L [mm]	washer Ø	drilling capacity mm	unit pack pcs	bulk pack pcs
024820Z1	4.8	20	-	2	250	3 000
024820Z1Z4	4.8	20	14	2	250	3 000
024820Z2A4	4.8	20	14	2	250	3 000

AR0 4,8xL UFO

XR4820Z1TXAL





The AR0 4,8xL UFO joins thin steel sheets in an overlap, like the hex-head AR0, but has an oval UFO head with a TORX® T20 socket. It is self-drilling and self-tapping, made of hardened carbon steel, always with an aluminium Ø14 EPDM washer, in a single size, 4.8 × 20 mm, zinc-plated or painted in a RAL colour. It is driven with a TORX® TX20 magnetic socket, not with an M8 socket like the ordinary AR0.

Material	**carbon steel SAE 1022**
Head size	**T20**
Corrosion protection	**zinc coating min. 12 µm**
EPDM washer	**aluminium Ø14 (TXAL)**
Paint coating	**polyester, UV-resistant, thickness 50–60 µm, in the colour of the roof covering**
Field of application	**joining thin steel sheets together in an overlap**
European Technical Assessment	**ETA-18/0789**

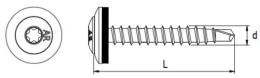
index	diameter d [mm]	length L [mm]	washer Ø	unit pack pcs	bulk pack pcs
XR4820Z1TXAL	4.8	20	14	250	3 000

Self-drilling roofing screws

AR2 4,8xL UFO

XR4835Z1TXAL





The AR2 4,8xL UFO fixes flat sheet, profiled sheet and flashings to a timber structure, like the hex-head AR2, but has an oval UFO head with a TORX® T20 socket. It comes in one size, 4.8 × 35 mm, with an aluminium Ø14 EPDM washer; it fixes an element up to 6 mm thick (MTmax), and in timber it needs an anchorage of at least 20 mm. It is zinc-plated or painted in a RAL colour, and is driven with a TORX® TX20 magnetic socket.

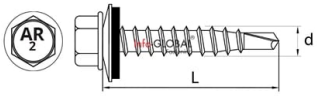
Material	**carbon steel SAE 1022**
Head size	**T20**
Corrosion protection	**zinc coating min. 12 µm**
EPDM washer	**aluminium Ø14 (TXAL)**
Paint coating	**polyester, UV-resistant, thickness 50–60 µm, in the colour of the roof covering**
Field of application	**fixing flat sheets, profiled sheets and flashings to a timber substrate**
Substrate	**structural timber, steel**
European Technical Assessment	**ETA-18/0789**

index	diameter d [mm]	length L [mm]	washer Ø	drilling capacity mm	MTmax mm	unit pack pcs	bulk pack pcs
XR4835Z1TXAL	4.8	35	14	2	6	250	3 000

AR2 4,8xL

F24820Z1Z4 10 variants





AR2 is a roofing screw for fixing flat sheet, profiled sheet and flashings to a timber structure; sheets are joined to each other with AR0. The length, from 20 to 100 mm, is chosen according to the thickness of the fixed elements, the greatest thickness for each length is given in the MTmax column, and in timber the screw needs an anchorage of at least 20 mm. The EPDM washer is zinc-plated steel or aluminium, Ø14, and for lengths of 80 and 100 mm also Ø19; every size is zinc-plated or painted in a RAL colour. The 8 mm hex head is driven with an M8 magnetic socket or an S8 spring socket, and the version with a UFO head and a T20 socket is the AR2 4,8xL UFO.

Material	**carbon steel SAE 1022**
Head size	**8 mm**
Corrosion protection	**zinc coating min. 12 µm**
EPDM washer	**zinc-plated Ø14 (Z4) / aluminium Ø14 (A4)**
Paint coating	**polyester, UV-resistant, thickness 50–60 µm, in the colour of the roof covering**
Field of application	**fixing flat sheets, profiled sheets and flashings to a timber structure**
Substrate	**structural timber, steel**
European Technical Assessment	**ETA-18/0789**

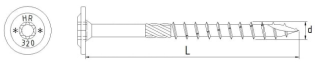
index	diameter d [mm]	length L [mm]	washer Ø	drilling capacity mm	MTmax mm	unit pack pcs	bulk pack pcs
F24820Z1Z4	4.8	20	14	2	-	250	3 000
F24828Z1Z4	4.8	28	14	2	1	250	3 000
F24835Z1Z4	4.8	35	14	2	7	250	3 000
F24850Z1Z4	4.8	50	14	2	22	100	1 200
F24860Z1Z4	4.8	60	14	2	32	100	1 200
F24870Z1Z4	4.8	70	14	2	42	100	1 200
F24880Z1Z4	4.8	80	14	2	52	100	1 200
F248100Z1Z4	4.8	100	14	2	72	100	1 200
F24880Z1Z9	4.8	80	19	–	–	250	–
F248100Z1Z9	4.8	100	19	–	–	250	–

Timber screws

Timber screw HR 8,0xL

HR11300100 17 variants





HR 8,0xL timber screw made of zinc-plated carbon steel for installing roof trusses and angle brackets, and also for screwing beams together, fixing battens and counter battens and joining timber-frame structures. It has a washer head with a TX40 socket and is driven without pilot drilling. It comes in 17 lengths, from 80 to 400 mm in steps of 20 mm; the bulk pack holds from 600 to 150 pieces, the longer the screw, the fewer.

Pack	**50 pcs**
Material	**carbon steel**
Corrosion protection	**zinc-plated**
Field of application	**installing roof trusses, joining elements of timber-frame structures, fixing battens and counter battens, screwing beams together**
Substrate	**timber, structural timber**
Magnetic socket	**TX40**

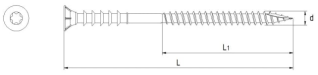
Product number	Dimension	Pack [pcs]	bulk pack pcs
HR11300100	M8 × 80	50	600
HR11300200	M8 × 100	50	600
HR11300300	M8 × 120	50	600
HR11300400	M8 × 140	50	600
HR11300500	M8 × 160	50	300
HR11300600	M8 × 180	50	300
HR11300700	M8 × 200	50	300
HR11300800	M8 × 220	50	300
HR11300900	M8 × 240	50	300
HR11301000	M8 × 260	50	300
HR11301100	M8 × 280	50	300
HR11301200	M8 × 300	50	300
HR11301300	M8 × 320	50	300
HR11301400	M8 × 340	50	300
HR11301500	M8 × 360	50	300
HR11301600	M8 × 380	50	150
HR11301700	M8 × 400	50	150

Adjustment screws

Adjustment screw 6.0

HR11310100 4 variants





The adjustment screw sets the gap between timber elements, so it is used to level roof battens, plumb walls, and align floors and timber structures for cladding. It is 6.0 mm in diameter and comes in four lengths, from 80 to 145 mm. It is made of zinc-plated carbon steel, and the conical head is driven with a TX30 driver bit.

Pack	**100 pcs**
Material	**carbon steel**
Corrosion protection	**zinc-plated**
Field of application	**levelling battens, plumbing wall structures, adjusting timber structures**
Substrate	**timber, structural timber**
Magnetic socket	**TX30**

Product number	Dimension	L1 [mm]	Pack [pcs]	bulk pack pcs
HR11310100	6.0 × 80	45	100	800
HR11310200	6.0 × 100	60	100	800
HR11310300	6.0 × 120	70	100	800
HR11310400	6.0 × 145	70	100	800

06

Roof access

Steps, walkway boards and fixings for moving safely on the roof.



Chimney steps and roof walkway boards allow safe movement on the roof and give access to flue and ventilation chimneys. They are also useful for service and maintenance work on the roof.

The boards and steps are made of zinc-plated steel with a powder coating. BD-350, BD-400, BD-330, BD-420 and BD-460 brackets are used for metal roof tiles. Both elements are also available in ready-made sets. A step set is two steps, two brackets and bolts. A board set is a board, two brackets, two cradles and bolts. Colours: black, brick red, brown, chestnut, graphite, red and zinc-plated.

Safety steps and roof walkways

Chimney step

HR08010001 7 variants



A single step gives a foothold when walking across the roof to chimneys. On metal roof tiles it is fixed on BD brackets. It measures 240 × 160 mm, and a ready-made set with two steps, brackets and bolts is a separate item.

Material	**Powder-coated zinc-plated steel**
Step dimension	**240 × 160 mm**
Pallet pack	**200 pcs**

APPLICATION roof access

product no.*	colour	carton pack [pcs]
HR08010001	black	1
HR08010002	brick red	5
HR08010003	brown	5
HR08010005	chestnut	5
HR08010006	anthracite grey	5
HR08010007	red	5
HR08010000	zinc-plated	5

Roof walkway board for metal roof tiles

HR080240·· 9 variants



The roof walkway board is a longer platform for walking across the roof to chimneys, 250 mm wide, in several lengths. On metal roof tiles it is fixed to BD brackets with cradles, and several boards are joined into a run with the walkway board connector. A loose board is chosen when a different length than in the set is needed.

Width	**250 mm**
Material	**zinc-plated steel**
Carton pack	**1 pc**

APPLICATION roof access

product no.*	walkway board length [mm]	pallet pack [pcs]
HR080240··	400	400
HR080280··	800	250
HR080210··	1000	125
HR080215··	1500	100
HR080220··	2000	100
HR080225··	2500	100
HR080230··	3000	100
HR080260··	600	—
HR080212··	1200	—

·· = RAL colour code

Chimney step set for metal roof tiles

HR08123501 14 variants



A ready-made set of chimney steps for metal roof tiles, with brackets and bolts for one position on the roof. The bracket is 350 or 400 mm and is chosen to match the metal roof tiles, so in your enquiry give the manufacturer and the profile name. The set elements have a polyurethane backing.

Material	**Powder-coated zinc-plated steel, polyurethane backing**
Dimensions	**24 × 16 cm**
Set contents	**Step 2 pcs, bracket 2 pcs, mounting bolts 1 set.**
Carton pack	**2 pcs**

APPLICATION roof access

product no.*	bracket length [mm]	colour
HR08123501	350	black
HR08123502	350	brick red
HR08123503	350	brown
HR08123505	350	chestnut
HR08123506	350	anthracite grey
HR08123507	350	red
HR08123500	350	zinc-plated
HR08124001	400	black
HR08124002	400	brick red
HR08124003	400	brown
HR08124005	400	chestnut
HR08124006	400	anthracite grey
HR08124007	400	red
HR08124000	400	zinc-plated

Roof walkway board set for metal roof tiles

HR08234001 28 variants



A ready-made set of roof walkway board for metal roof tiles, with brackets, cradles and bolts for one position on the roof. The board is 40 or 80 cm, and the bracket 350 or 400 mm, chosen to match the metal roof tiles. Longer runs are assembled from loose elements.

Material	**Powder-coated zinc-plated steel, polyurethane backing**
Width	**25 cm**
Set contents	**Walkway board 1 pc, bracket 2 pcs, cradle 2 pcs, mounting bolts 1 set.**
Carton pack	**1 pc**

APPLICATION roof access

product no. 350mm bracket	product no. 400mm bracket	walkway board length [cm]	colour
HR08234001	HR08244001	40	black
HR08234002	HR08244002	40	brick red
HR08234003	HR08244003	40	brown
HR08234005	HR08244005	40	chestnut
HR08234006	HR08244006	40	anthracite grey
HR08234007	HR08244007	40	red
HR08234000	HR08244000	40	zinc-plated
HR08238001	HR08248001	80	black
HR08238002	HR08248002	80	brick red
HR08238003	HR08248003	80	brown
HR08238005	HR08248005	80	chestnut
HR08238006	HR08248006	80	anthracite grey
HR08238007	HR08248007	80	red
HR08238000	HR08248000	80	zinc-plated

Roof walkway board set for trapezoidal sheet

HR08258000 7 variants



A roof walkway board set for trapezoidal sheet roofing, with a 0.8 m board, two fasteners and two brackets. For metal roof tiles there is a separate walkway board set with cradles. Colours are given as RAL numbers, and there is also a zinc-plated version.

Walkway board length	**0.8 m.**
Set contents	**Walkway board 1 pc, fastener 2 pcs, bracket 2 pcs.**

APPLICATION roof access on trapezoidal sheet roofing (BT)

Product number	Colour	Pack
HR08258000	zinc-plated	1 set
HR08258001	RAL 9005	1 set
HR08258002	RAL 8004	1 set
HR08258003	RAL 8017	1 set
HR08258005	RAL 8012	1 set
HR08258006	RAL 7016	1 set
HR08258065	RAL 6005	1 set

Chimney step set for trapezoidal sheet

HR08133500 7 variants



A chimney step set for trapezoidal sheet roofing, with two steps and two brackets. For metal roof tiles there is a separate step set. Colours are given as RAL numbers, and there is also a zinc-plated version.

Set contents	**Step 2 pcs, bracket 2 pcs.**

APPLICATION roof access on trapezoidal sheet roofing (BT)

Product number	Colour	Pack
HR08133500	zinc-plated	1 set
HR08133501	RAL 9005	1 set
HR08133502	RAL 8004	1 set
HR08133503	RAL 8017	1 set
HR08133505	RAL 8012	1 set
HR08133506	RAL 7016	1 set
HR08133565	RAL 6005	1 set

Step and walkway board fixings

Roof walkway board connector

HR08030001 7 variants



The connector joins roof walkway boards into a longer run. It comes in the same colours as the boards, six colours and a zinc-plated version.

Material	**Hot-dip galvanised steel flat bar**
Carton pack	**10 pcs**
Pallet pack	**4000 pcs**

APPLICATION joining walkway boards

product no.	colour
HR08030001	black
HR08030002	brick red
HR08030003	brown
HR08030005	chestnut
HR08030006	anthracite grey
HR08030007	red
HR08030000	zinc-plated

Roof walkway board fastener (cradle)

HR08040001 7 variants



The cradle fixes the roof walkway board to the BD bracket. Two cradles are included in the board set, and they are bought separately for boards assembled from loose elements.

Material	**Steel flat bar**
Carton pack	**10 pcs**
Pallet pack	**500 pcs**

APPLICATION fixing the walkway board to the bracket

product no.	colour
HR08040001	black
HR08040002	brick red
HR08040003	brown
HR08040005	chestnut

Roof walkway board fastener (cradle) HR08040001 2/2

product no.	colour
HR08040006	anthracite grey
HR08040007	red
HR08040000	zinc-plated

Walkway board/step bracket for metal roof tiles HR08073501 12 variants



The BD bracket fixes a roof walkway board or chimney step to metal roof tiles. The type, BD-350, BD-400, BD-330, BD-420 or BD-460, is chosen to match the metal roof tile profile, so in your enquiry give the manufacturer and the profile name. It is zinc-plated or painted.

Material	**Steel flat bar**
Carton pack	**10 pcs**
Pallet pack	**250 pcs**

APPLICATION fixing a walkway board or chimney step to metal roof tiles

product no.	bracket length [mm]	colour
HR08073501	350	black
HR08073502	350	brick red
HR08073503	350	brown
HR08073505	350	chestnut
HR08073506	350	anthracite grey
HR08073507	350	red
HR08073500	350	zinc-plated
HR08074001	400	black
HR08074002	400	brick red
HR08074003	400	brown
HR08074200	—	zinc-plated
HR080742··	—	painted

·· = RAL colour code

07

Snow guards



Snow guards, fences and barriers that hold snow on the roof slope.

Snow protection elements limit snow sliding off the roof. They break up masses of snow and partly hold the snow cover on the roof, and so protect the gutters and the surroundings of the building. The cascade arrangement works best, that is snow guards together with snow fences. Colours are chosen to match the covering.

Snow guards and snow fences

Snow guard

HR09010002



The snow guard, also called a snow catcher, protects gutters and the area around the building from snow sliding suddenly off the roof during a thaw. It suits flat roofing, trapezoidal sheet and metal roof tiles. It works best in a cascade arrangement, together with snow fences. Available to order.

Material	**Zinc-plated sheet steel coated with polyester paint**
Height of snow-retaining profile	**65 mm**
Width	**34 mm**

APPLICATION snow protection for buildings and walkways

Product no.	Roofing type	Colours	Carton pack [pcs]	Pallet pack [pcs]
HR09010002	Flat roofing, trapezoidal sheet and metal roof tiles	brick red	100	2000

Snow fence

HR09022001 16 variants



The snow fence protects against sliding snow. On metal roof tiles it is fixed with the snow fence bracket for metal roof tiles, and on shingles, flat sheets and trapezoidal sheets with the universal flat bracket. The number of brackets is chosen according to the roof pitch and the snowfall in the region, and fences are joined into longer runs with the snow fence connector. Available in seven colours and in a zinc-plated version, to order.

Material	**Hot-dip galvanised angle and sheet**
Snow fence height	**15 cm**

APPLICATION snow protection for buildings and walkways

Product no.	Connector length [cm]	Colour	Carton pack [pcs]	Pallet pack [pcs]
HR09022001	200	black	10	200
HR09022002	200	brick red	10	200
HR09022003	200	brown	10	200
HR09022004	200	dark brown	10	200

Snow fence

HR09022001 2/2

Product no.	Connector length [cm]	Colour	Carton pack [pcs]	Pallet pack [pcs]
HR09022005	200	chestnut	10	200
HR09022006	200	anthracite grey	10	200
HR09022007	200	red	10	200
HR09022000	300	zinc-plated	10	200
HR09023001	300	black	6	204
HR09023002	300	brick red	6	204
HR09023003	300	brown	6	204
HR09023004	300	dark brown	6	204
HR09023005	300	chestnut	6	204
HR09023006	300	anthracite grey	6	204
HR09023007	300	red	6	204
HR09023000	300	zinc-plated	6	204

Snow fence connector

HR09030001 8 variants



The connector joins snow fences into a longer run. It comes in the same colours as the fences, seven colours and a zinc-plated version, so choose it to match the colour of the fence. Available to order.

Material	**Hot-dip galvanised sheet**
Connector dimension	**2.5 × 5.5 cm**
Carton pack	**10 pcs**
Pallet pack	**7500 pcs**

APPLICATION joining snow fences

Product no.	Colour
HR09030001	black
HR09030002	brick red
HR09030003	brown
HR09030004	dark brown
HR09030005	chestnut
HR09030006	anthracite grey
HR09030007	red
HR09030000	zinc-plated

Snow fence brackets

A snow fence needs well-chosen brackets. For metal roof tiles use a bracket of type 350 or 400. For shingles, flat sheet and trapezoidal sheet use the universal flat bracket. The number of brackets is chosen according to the roof angle and the region, on which snowfall depends.

Snow fence bracket for metal roof tiles

HR09063501 14 variants



The bracket fixes the snow fence to metal roof tiles. It comes in two types, 350 and 400, and for a specific roof the type and number of brackets are best agreed with the sales representative. For shingles, flat sheet and trapezoidal sheet, use the universal flat bracket. Available to order.

Material	**Zinc-plated steel flat bar, powder-coated**
Width	**25 mm**
Carton pack	**10 pcs**
Pallet pack	**250 pcs**

APPLICATION fixing a snow fence to metal roof tiles

Product no.	Type	Colours
HR09063501	350	black
HR09063502	350	brick red
HR09063503	350	brown
HR09063505	350	chestnut
HR09063506	350	anthracite grey
HR09063507	350	red
HR09063500	350	zinc-plated
HR09064001	400	black
HR09064002	400	brick red
HR09064003	400	brown
HR09064004	400	chestnut
HR09064005	400	anthracite grey
HR09064006	400	red
HR09064000	400	zinc-plated

Universal flat snow fence bracket

HR09070001 8 variants



The bracket fixes the snow fence on roofs covered with shingles, flat sheet or trapezoidal sheet. For metal roof tiles, use the separate snow fence bracket, type 350 or 400. The number of brackets is chosen according to the roof pitch and the snowfall in the region. Available to order.

Material	**Zinc-plated steel flat bar, powder-coated**
Width	**25 mm**
Carton pack	**10 pcs**
Pallet pack	**250 pcs**

APPLICATION fixing a snow fence to shingles, flat sheets and trapezoidal sheets

Product no.	Colour
HR09070001	black
HR09070002	brick red
HR09070003	brown
HR09070004	dark brown
HR09070005	chestnut

Universal flat snow fence bracket

HR09070001 2/2

Product no.	Colour
HR09070006	anthracite grey
HR09070007	red
HR09070000	zinc-plated

Snow guards for standing seam roofs

Snow barriers are used on roofs covered with flat standing seam sheet, so that snow does not slide off the pitch. It is an aluminium tube Ø30 mm, 3 m long, in natural or graphite colour. Suitable brackets are needed for fixing, and for standing seam a double bracket HR091002··.

Aluminium snow barrier

HR09090000 2 variants



The barrier holds snow on roofs covered with flat standing seam sheet. For metal roof tiles and trapezoidal sheet there are snow guards and snow fences. It is an aluminium tube, seated in the barrier brackets, and on a standing seam in the double bracket HR091002··. Available in natural or graphite. Available to order.

Material	**Aluminium**
Pipe diameter	**30 mm**
Tube length	**3 m**
Film pack	**10 pcs**

APPLICATION snow protection for a building and walkways

Product no.	Colour
HR09090000	natural aluminium
HR09090006	anthracite grey

Snow barrier bracket

HR09100100 4 variants



The bracket holds the Ø30 mm snow barrier tube on a roof covered with flat standing seam sheet. It is made of aluminium, in natural or graphite, like the tube. Available to order.

Material	**Aluminium**
Double bracket for standing seam roofing	**HR091002··.**
Hole diameter	**32 mm**
Film pack	**10 pcs**

APPLICATION fixing snow barriers

Product no.	Tube length [m]	Colour
HR09100100	1	natural aluminium
HR09100106	1	anthracite grey
HR09100200	2	natural aluminium
HR09100206	2	anthracite grey

08

Roof vents



Vents, ventilators and roof penetrations for metal roof tiles, T18 and T35 trapezoidal sheet and flat sheet.

Roof vents provide outlets for ventilation ducts and soil vents through the roof pitch. Their design improves ventilation efficiency and keeps rain and snow out of the duct. The bases fit metal roof tiles, T18 and T35 trapezoidal sheet and flat sheet.

The Ø125 and Ø150 chimneys are uninsulated or insulated, and the uninsulated version also comes with a spirit level. The Ø150 chimney is additionally available with a constant cross-section and PU insulation. The Ø200 chimney is for mechanical ventilation and heat recovery. There are also chimneys with a rotating cowl, soil vent terminals Ø110, Ø125 and Ø150, a Ø150 roof slope vent and a gravity vent for PVC pipe. The roof penetrations cover solar and PV cables, an antenna cable and a ventilation duct through the membrane.

Roof vent

HR102112·· 5 variants



The roof vent leads a ventilation duct out through a pitched roof slope and protects the duct from rainwater and contamination. Ø125 and Ø150 come in an uninsulated or insulated version, the uninsulated also with a spirit level, and Ø150 also with a constant cross-section and PU insulation. For mechanical ventilation and heat recovery there is the separate Ø200 chimney.

Base	**metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**
Pack	**1 pc**

Product code	Diameter	Finish
HR102112··	Ø125	uninsulated or insulated
HR102115··	Ø150	uninsulated or insulated
HR102212··	Ø125	with spirit level, uninsulated
HR102215··	Ø150	with spirit level, uninsulated
HR102315··	Ø150	constant cross-section, PU insulation

·· = RAL colour code

Mechanical ventilation chimney Ø200

HR102420··



Ø200 chimney for mechanical ventilation and heat recovery. It leads the duct out through the roof slope and protects it from rainwater and contamination. For ordinary ventilation ducts there are Ø125 and Ø150 roof vents.

Base	**metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**
Pack	**1 pc**

Product code	Diameter	Finish
HR102420··	Ø200	mechanical ventilation / heat recovery

·· = RAL colour code

Chimney with rotating cowl

HR102515·· 3 variants



A ventilation chimney with a rotating cowl, in Ø150 or Ø200. Ø200 is also suitable for mechanical ventilation, and the wind-directional version has a rain shield.

Base **metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**

Pack **1 pc**

Product code	Diameter	Finish
HR102515··	Ø150	rotating cowl
HR102520··	Ø200	rotating cowl, mechanical ventilation
HR102615··	Ø150	wind-directional chimney cap (rain shield)

·· = RAL colour code

Soil vent terminal

HR102711·· 3 variants



The terminal vents a soil stack through the roof slope. It comes in Ø110 and in a low version, Ø125 and Ø150, which has a grille against contamination and insects.

Base **metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**

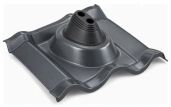
Pack **1 pc**

Product code	Diameter	Finish
HR102711··	Ø110	venting of a soil stack
HR102812··	Ø125	low
HR102815··	Ø150	low

·· = RAL colour code

Roof penetration for solar and PV cables

HR102900··



The roof penetration leads solar and photovoltaic installation cables through the roof slope (up to 2 × 25 mm). The seal is made of UV-resistant EPDM rubber.

Base **metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**

Pack **1 pc**

Product code	Diameter	Finish
HR102900··	up to 2 × 25 mm	solar and PV cables

·· = RAL colour code

Roof slope vent Ø150

HR103015··



The Ø150 roof slope vent ventilates the roof slope and the space between rafters. Unlike chimneys, it does not lead a duct out of the building. It is used on roofs with a pitch of 15° or more, and a grille protects it from contamination and animals.

Base **metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**

Pack **1 pc**

Product code	Diameter	Finish
HR103015··	Ø150	roof ventilation for pitches of 15° and above

·· = RAL colour code

Gravity vent for PVC pipe

HR103105·· 5 variants



The vent is fitted onto a PVC pipe. Diameters Ø50, Ø75 and Ø110 are for venting drainage, and Ø160 and Ø200 for gravity ventilation.

Pack **1 pc**

Product code	Diameter	Finish
HR103105··	Ø50	soil pipe venting
HR103107··	Ø75	soil pipe venting
HR103111··	Ø110	soil pipe venting
HR103116··	Ø160	gravity ventilation
HR103120··	Ø200	gravity ventilation

·· = RAL colour code

Antenna roof penetration

HR103209··



A roof penetration for an antenna cable, up to Ø90 mm. The seal is made of UV-resistant EPDM rubber.

Base **metal roof tiles, T18/T35 trapezoidal sheet, flat sheet**

Pack **1 pc**

Product code	Diameter	Finish
HR103209··	up to Ø90 mm	antenna cable

·· = RAL colour code

Ventilation duct penetration through membrane

HR103300··



An element for leading a ventilation duct through the roofing membrane so that condensation does not reach the insulation layer. It is fixed to the battens, and the membrane lies between its two parts. Packed individually.

Pack **1 pc**

Product code	Diameter	Finish
HR103300··	—	penetration through the membrane

·· = RAL colour code

Roof vent for metal roof tiles with profile F

HR103412··

A Ø125 roof vent, uninsulated, with a base for metal roof tiles with profile F. For other metal roof tiles, T18 and T35 trapezoidal sheet and flat sheet, there is the ordinary roof vent.

Base **metal roof tiles with profile F**

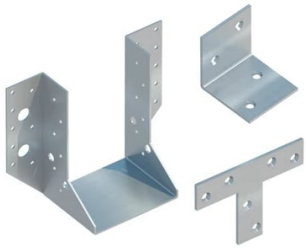
Pack **1 pc**

Product code	Diameter	Finish
HR103412··	Ø125	uninsulated, base for profile F

·· = RAL colour code

09

Timber connectors



Connectors for roof framing and timber structures.

Timber connectors join timber to timber and timber to concrete. This category has 23 items for roof timberwork and timber structures: seven kinds of angle brackets, nine kinds of connectors, two joist hangers, a support channel, a pressure disc and a mounting strap, plus screws and nails for the joints.

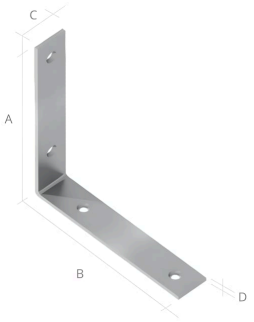
The connectors are made of sheet steel zinc-plated after machining. Each type has its own symbol, for example KW, KP, ŁP or WB. The card gives the dimensions, number of holes, weight and packing of each size.

Carbon steel screws in lengths from 80 to 360 mm and 4.5 mm nails in lengths from 40 to 80 mm are used for fixing.

Narrow angle bracket

HR11010100 12 variants





The narrow angle bracket joins timber beams at an angle. It is the narrowest angle bracket in the range, with four holes, in 12 sizes from KW 1 to KW 12. KW 9, KW 11 and KW 12 are made of thicker sheet than the others. For wider connections, use the wide KS and plate KP angle brackets.

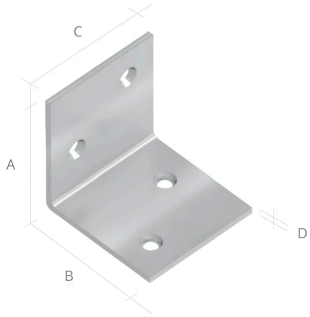
Product number	Product symbol	A-B	C	D	Φ4.5	Φ6	Weight g/pc	Packing pcs/pack
HR11010100	KW 1	25	16	2	4	-	12	100
HR11010200	KW 2	30	16	2	4	-	14.5	100
HR11010300	KW 3	40	15	2	4	-	19	100
HR11010400	KW 4	50	16	2	4	-	25	100
HR11010500	KW 5	60	16	2	4	-	30	100
HR11010600	KW 6	75	16	2	4	-	38	100
HR11010700	KW 7	90	20	2	4	-	53	100
HR11010800	KW 8	100	20	2	4	-	59	50
HR11010900	KW 9	100	20	4	4	-	121	50
HR11011000	KW 10	120	20	2	4	-	71	50
HR11011100	KW 11	125	20	5	-	4	186	50
HR11011200	KW 12	150	25	5	-	4	283	50

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Wide angle bracket

HR11020100 4 variants





The wide angle bracket has wider arms than the narrow KW angle bracket and only four sizes. KS 1–3 have equal arms, while KS 4 is the widest and has larger holes. If even greater width or more holes are needed, there is the KP plate angle bracket.

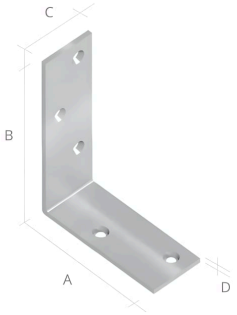
Product number	Product symbol	A	B	C	D	Φ4.5	Φ6.5	Weight g/pc	Packing pcs/pack
HR11020100	KS 1	30	30	30	2	4	-	27	100
HR11020200	KS 2	40	40	40	2	4	-	49	100
HR11020300	KS 3	60	60	60	2	8	-	112	50
HR11020400	KS 4	40	25	75	2	-	5	76	50

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Joist angle bracket

HR11030100 4 variants





The KB joist angle bracket has arms of different lengths and is made of thicker sheet than the KS wide angle bracket. There are four sizes, KB 1–4, with holes of different diameters. When choosing, compare dimensions A, B and C and the sheet thickness in the table.

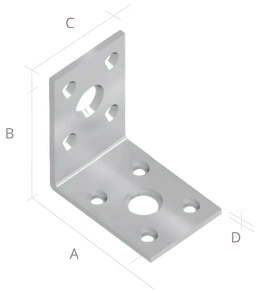
Product number	Product symbol	A	B	C	D	Φ5	Φ6	Φ7	Φ8	Weight g/pc	Packing pcs/pack
HR11030100	KB 1	100	75	30	2.5	5	-	-	-	100	50
HR11030200	KB 2	100	50	50	4	-	5	-	1	220	40
HR11030300	KB 3	120	80	35	4	-	-	7	-	205	20
HR11030400	KB 4	180	120	40	5	-	-	7	-	450	25

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Connecting angle bracket

HR11040100 5 variants





The KŁ connecting angle bracket has closely spaced holes, and besides the small ones also large Ø11 or Ø14 holes. There are five sizes, all made of 2.5 mm sheet. The KPW reinforced embossed angle bracket has similar sizes and additionally an embossed stiffening rib.

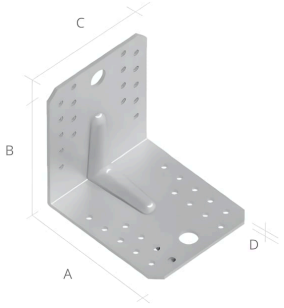
Product number	Product symbol	A	B	C	D	Φ5	Φ7	Φ8	Φ11	Φ14	Weight g/pc	Packing pcs/pack
HR11040100	KŁ 1	50	50	35	2.5	8	-	-	2	-	62	50
HR11040200	KŁ 2	70	70	55	2.5	20	-	-	2	-	143	50
HR11040300	KŁ 3	90	90	65	2.5	16	12	-	2	-	206	50
HR11040400	KŁ 4	105	105	90	2.5	24	-	8	4	2	342	25
HR11040500	KŁ 5	150	50	35	2.5	16	-	-	4	-	124	50

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Reinforced embossed angle bracket

HR11050100 4 variants





The KPW angle bracket has an embossing that strengthens the bend between the arms. In size and hole layout it resembles the KŁ connecting angle bracket, and differs from it precisely in the embossing. There are four sizes, made of 2.5 mm sheet.

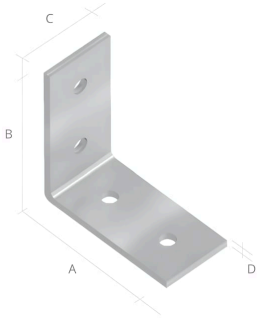
Product number	Product symbol	A	B	C	D	Φ5	Φ7	Φ8	Φ11	Φ14	Weight g/pc	Packing pcs/pack
HR11050100	KPW 1	70	70	55	2.5	20	-	-	2	-	141	50
HR11050200	KPW 2	90	50	55	2.5	20	-	-	2	-	141	50
HR11050300	KPW 3	90	90	65	2.5	16	12	-	2	-	206	50
HR11050400	KPW 4	105	105	90	2.5	24	-	8	4	2	342	25

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Plate angle bracket

HR11060100 18 variants





The KP plate angle bracket has equal arms and a wide plate with many holes. For the same arm length there are several widths, from 20 to 200 mm. The table lists 18 sizes in five hole patterns, I to V.

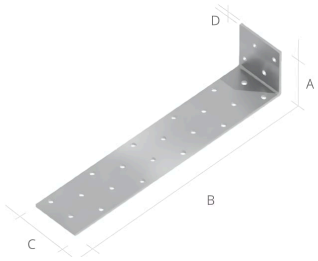
Product no.	Product symbol	Pattern	A	B	C	D	Φ5	Weight g/pc	Packing pcs/pack
HR11060100	KP 1	I	40	40	20	2	4	24	100
HR11060200	KP 2	II	40	40	40	2	8	48	50
HR11060300	KP 3	III	40	40	60	2	12	72	50
HR11060400	KP 4	III	40	40	100	2	20	120	50
HR11060500	KP 5	IV	40	40	200	2	40	241	50
HR11060600	KP 6	III	50	50	40	2	8	62	50
HR11060700	KP 7	III	60	60	40	2	12	72	50
HR11060800	KP 8	III	60	60	60	2	18	108	50
HR11060900	KP 9	V	60	60	80	2	21	144	50
HR11061000	KP 10	V	60	60	100	2	27	180	50
HR11061100	KP 11	V	80	80	40	2	12	97	50
HR11061200	KP 12	III	80	80	60	2	24	145	50
HR11061300	KP 13	III	80	80	80	2	32	193	50
HR11061400	KP 14	III	100	100	60	2	30	181	40
HR11061500	KP 15	V	100	100	80	2	35	240	40
HR11061600	KP 16	III	100	100	100	2	50	301	40
HR11061700	KP 17	V	160	160	60	2	40	289	40
HR11061800	KP 18	V	160	160	80	2	56	384	40

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Anchor angle bracket

HR11070100 5 variants





The KK 1–3 anchor angle bracket has one short and one very long arm, whose length is selected in the table. KK 4 and KK 5 have shorter arms that are close to each other in length. All are 40 mm wide and made of 2 mm sheet.

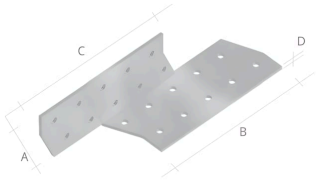
Product number	Product symbol	A	B	C	D	Φ5	Φ12.5	Weight g/pc	Packing pcs/pack
HR11070100	KK 1	40	200	40	2	19	1	145	25
HR11070200	KK 2	40	300	40	2	27	1	205	25
HR11070300	KK 3	40	400	40	2	34	1	265	25
HR11070400	KK 4	100	100	40	2	20	-	112	50
HR11070500	KK 5	120	100	40	2	22	-	127	50

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Rafter connector

HR11080100 6 variants





The ŁK rafter connector is used to join a rafter to other elements of the roof timberwork. It has two planes with rows of holes and comes in L and P versions, in three lengths. When ordering, give the symbol from the table, because it defines both the length and the version.

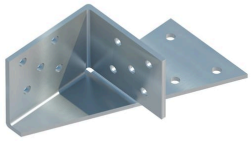
Packing pcs/pack	**25**

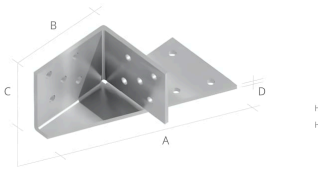
Product number	Product symbol	A	B	C	D	Φ5	Weight g/pc
HR11080100	ŁK 1 L	40	170	100	2	20	121
HR11080200	ŁK 2 P	40	170	100	2	20	121
HR11080300	ŁK 3 L	40	210	140	2	28	169
HR11080400	ŁK 4 P	40	210	140	2	28	169
HR11080500	ŁK 5 L	40	250	180	2	36	217
HR11080600	ŁK 1 P	40	250	180	2	36	217

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Universal connector

HR11090100 2 variants





The ŁU universal connector is bent in several planes, unlike angle brackets with two arms and flat connectors. It comes in one size in two variants, ŁU 1 L and ŁU 2 P, so when ordering you only choose the variant. It is fixed with nails or screws to timber connections.

Φ5	**16**
Weight g/pc	**128**
Packing pcs/pack	**20**

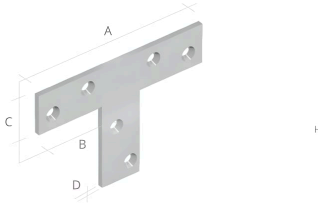
Product number	Product symbol	A	B	C	D
HR11090100	ŁU 1 L	100	50	40	2.5
HR11090200	ŁU 2 P	100	50	40	2.5

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

T-type connector

HR11120100





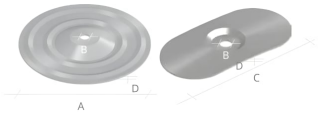
A flat T-shaped connector with six holes. It comes in one size, made of 2 mm sheet. For larger flat connections, use the ŁP flat connectors.

Product symbol	**ŁT**
A	**70**
B	**50**
C	**16**
D	**2**
Φ4.5	**6**
Weight g/pc	**25**
Packing pcs/pack	**50**

Pressure disc

HR11130100 7 variants





The KD pressure disc is a sheet metal washer, mostly round, and oblong in the KD 3 version. The seven variants differ in disc diameter, hole diameter and sheet thickness. Packed 200 pcs.

Packing pcs/pack **200**

Product number	Product symbol	A	B	C	D	Weight g/pc
HR11130100	KD 1	Φ70	Φ5	-	0.5	15
HR11130200	KD 2 P	Φ70	Φ5.5	-	1	30
HR11130300	KD 2 W	Φ70	Φ5.5	-	1	30
HR11130400	KD 3 P	40	Φ5.5	82	1	22
HR11130500	KD 3 W	40	Φ7	82	1	22
HR11130600	KD 4	Φ40	Φ5	-	1	9.5
HR11130700	KD 5	Φ50	Φ5	-	1	15

A, B, C, D: dimensions in mm

Flat connector

HR11140100 30 variants





The ŁP flat connector is a rectangular plate of 2 mm sheet with rows of holes, for joining timber elements flat. It offers the widest choice in the category, 30 sizes, from small plates to a 300 × 400 mm sheet. The size is chosen by the width and length of the plate in the table.

Product number	Product symbol	A	B	D	Φ5	Weight g/pc	Packing pcs/pack
HR11140100	ŁP 1	40	80	2	8	48	50
HR11140200	ŁP 2	40	100	2	10	60	50
HR11140300	ŁP 3	40	120	2	12	72.6	50
HR11140400	ŁP 4	40	160	2	16	97	50
HR11140500	ŁP 5	50	180	2	23	136	50
HR11140600	ŁP 6	50	200	2	25	151	50
HR11140700	ŁP 7	50	240	2	30	181	50
HR11140800	ŁP 8	60	140	2	21	126	50
HR11140900	ŁP 9	60	160	2	24	144	50
HR11141000	ŁP 10	60	180	2	27	162	50
HR11141100	ŁP 11	60	200	2	30	181	50
HR11141200	ŁP 12	60	220	2	33	198	50
HR11141300	ŁP 13	60	240	2	36	217	50
HR11141400	ŁP 14	80	100	2	20	120	50
HR11141500	ŁP 15	80	140	2	28	168	50
HR11141600	ŁP 16	80	180	2	36	216	50
HR11141700	ŁP 17	80	200	2	40	240	50
HR11141800	ŁP 18	80	220	2	44	264	50

Flat connector

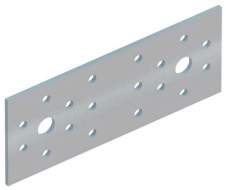
HR11140100 2/2

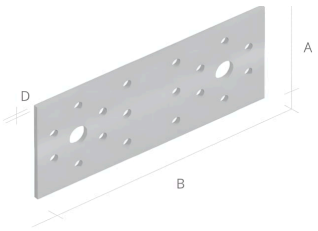
Product number	Product symbol	A	B	D	Φ5	Weight g/pc	Packing pcs/pack
HR11141900	ŁP 19	80	240	2	48	288	50
HR11142000	ŁP 20	80	300	2	60	360	25
HR11142100	ŁP 21	100	200	2	45	300	25
HR11142200	ŁP 22	100	220	2	49	330	25
HR11142300	ŁP 23	100	240	2	54	360	25
HR11142400	ŁP 24	100	260	2	58	390	25
HR11142500	ŁP 25	100	300	2	67	450	20
HR11142600	ŁP 26	120	240	2	68	432	20
HR11142700	ŁP 27	120	300	2	86	540	20
HR11142800	ŁP 28	140	400	2	130	844	20
HR11142900	ŁP 29	200	200	2	95	603	20
HR11143000	ŁP 30	300	400	2	290	1809	10

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Special flat connector

HR11150100 5 variants





The ŁPS special flat connector is made of 2.5 mm sheet, thicker than in the ŁP flat connector. It has cut corners and, besides small holes, also large Ø11 or Ø14 ones. There are five sizes, ŁPS 1–5.

Packing pcs/pack **50**

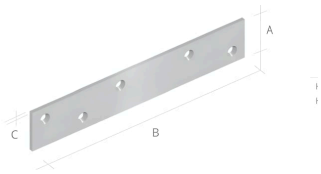
Product number	Product symbol	A	B	D	Φ5	Φ7	Φ8	Φ11	Φ14	Weight g/pc
HR11150100	ŁPS 1	95	35	2.5	8	-	-	2	-	62
HR11150200	ŁPS 2	140	55	2.5	20	-	-	2	-	143
HR11150300	ŁPS 3	180	40	2.5	16	-	-	4	-	129
HR11150400	ŁPS 4	175	65	2.5	16	12	-	2	-	206
HR11150500	ŁPS 5	—	90	2.5	24	-	8	4	2	342

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Thick connector

HR11160100 2 variants





The ŁG thick connector is a flat strip with holes near the ends, made of thicker sheet than the ŁP flat connector. There are two sizes, ŁG 1 and ŁG 2, and the second is longer, wider and made of thicker sheet. Packed 50 pcs.

Packing pcs/pack **50**

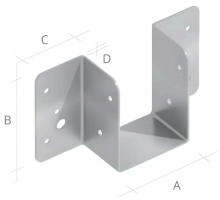
Product number	Product symbol	A	B	D	Φ5	Φ7	Weight g/pc
HR11160100	ŁG 1	170	30	2.5	5	-	100
HR11160200	ŁG 2	195	35	4	-	7	205

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Support channel

HR11170100 4 variants





The CP support channel is U-shaped with side flanges for nailing, and supports the timber element placed in it. It is made of 1 mm sheet, the thinnest in the category, in four sizes, CP 1–4. The size is chosen by width A, that is, the width of the supported element.

Weight g/pc	80
Packing pcs/pack	25

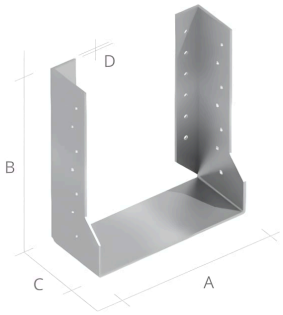
Product number	Product symbol	A	B	C	D	Φ5	Φ7
HR11170100	CP 1	50	63	35	1	10	2
HR11170200	CP 2	38	69	35	1	10	2
HR11170300	CP 3	32	72	35	1	10	2
HR11170400	CP 4	25	75.5	35	1	10	2

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Internal joist hanger

HR11180100 5 variants





The WBW internal joist hanger holds the joist in a U-shaped section. It differs from the WB joist hanger in that its fixing flanges are bent inwards, not outwards. There are five sizes, WBW 1–5, and the size is chosen by width A, that is, the width of the joist.

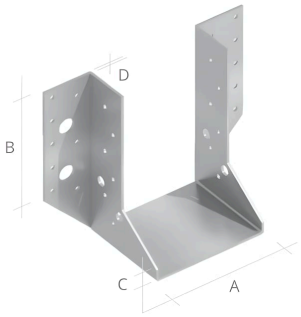
Product number	Product symbol	A	B	C	D	E	Φ5	Weight g/pc	Packing pcs/pack
HR11180100	WBW 1	60	100	60	2	56	14	242	20
HR11180200	WBW 2	80	120	60	2	76	18	297	20
HR11180300	WBW 3	100	140	60	2	96	22	352	10
HR11180400	WBW 4	120	160	60	2	116	26	405	10
HR11180500	WBW 5	140	180	60	2	136	30	460	10

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Joist hanger

HR11190100 26 variants





The WB joist hanger holds the joist in a U-shaped section, and with flanges bent outwards it is nailed to the element from which the joist is to hang. There are 26 sizes, WB 1–26, so the hanger is matched exactly to the joist section, by width A and height B. When the flanges are to be tucked inwards, there is the WBW internal hanger.

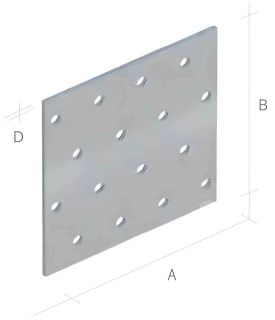
Product number	Product symbol	A	B	C	D	Φ5	Φ14	Weight g/pc	Packing pcs/pack
HR11190100	WB 1	25	100	75	2	16	2	253	20
HR11190200	WB 2	38	130	75	2	24	4	333	20
HR11190300	WB 3	41	100	75	2	18	2	272	20
HR11190400	WB 4	41	135	75	2	28	4	347	20
HR11190500	WB 5	41	169	75	2	30	4	427	20
HR11190600	WB 6	46	100	75	2	18	2	278	20
HR11190700	WB 7	46	167	75	2	30	4	427	20
HR11190800	WB 8	47	100	75	2	18	2	279	20
HR11190900	WB 9	47	135	75	2	30	4	354	20
HR11191000	WB 10	50	125	75	2	24	4	335	20
HR11191100	WB 11	50	145	75	2	24	4	382	20
HR11191200	WB 12	60	100	80	2	18	2	313	20
HR11191300	WB 13	60	130	75	2	30	4	357	20
HR11191400	WB 14	60	150	75	2	30	4	404	20
HR11191500	WB 15	64	150	75	2	30	4	409	20
HR11191600	WB 16	64	158	75	2	30	4	427	20
HR11191700	WB 17	70	155	75	2	30	4	427	20
HR11191800	WB 18	71	125	75	2	28	4	358	20
HR11191900	WB 19	75	152	75	2	30	4	427	20
HR11192000	WB 20	76	210	75	2	36	4	567	20
HR11192100	WB 21	80	120	75	2	28	4	386	20
HR11192200	WB 22	86	146	75	2	30	4	427	20
HR11192300	WB 23	90	145	75	2	30	4	427	20
HR11192400	WB 24	100	140	80	2	30	4	462	10
HR11192500	WB 25	120	160	80	2	30	4	536	10
HR11192600	WB 26	140	180	80	2	38	4	607	10

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Perforated fixing band

HR11280100 3 variants





The TM fixing band is a perforated band of 2 mm sheet, sold by the metre, in packs of 10 and 25 m. It comes in three widths, 40, 60 and 80 mm, and the wider it is, the more holes per metre and the greater the weight.

Packing pcs/pack **10m 25m**

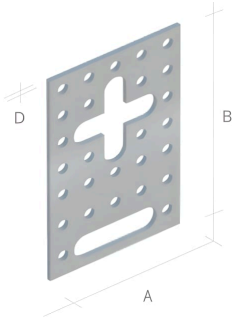
Product number	Product symbol	A	B	D	Φ4/1m	Weight g/1m
HR11280100	TM 1	m	40	2	100	603
HR11280200	TM 2	m	60	2	150	905
HR11280300	TM 3	m	80	2	200	1206

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Adjustable flat connector

HR11270100 3 variants





The PŁN adjustable connector has slotted holes as well as round ones. Three sizes: PŁN 1 with a length of 60 mm and 2 mm sheet, PŁN 2 with a length of 60 mm and 2.5 mm sheet, PŁN 3 with a length of 80 mm and 4 mm sheet.

Packing pcs/pack **50**

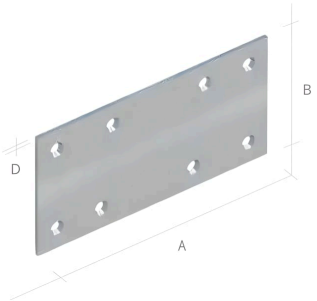
Product number	Product symbol	A	B	C	D	Φ5	Φ6.5	Φ9	Φ11	5.5x50.5	10.5x38	11x30	Weight g/pc
HR11270100	PŁN 1	60	30	60	2	27	-	-	-	-	3	-	62
HR11270200	PŁN 2	60	40	60	2.5	12	-	2	1	-	-	1	101
HR11270300	PŁN 3	80	60	20	4	-	2	-	-	1	-	-	77

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Wide flat connector

HR11240100 12 variants





The PŁ wide flat connector comes in 12 sizes, from 50 to 300 mm in length. Width from 15 to 25 mm, sheet thickness from 2 to 5 mm, holes Φ4.5 or Φ6. Packing depends on the size: from 50 to 200 pieces.

Product number	Product symbol	A	B	C	D	Φ4.5	Φ6	Weight g/pc	Packing pcs/pack
HR11240100	PŁ 1	50	10	16	2	4	-	12	200
HR11240200	PŁ 2	60	12.5	16	2	4	-	14.5	200
HR11240300	PŁ 3	80	17	15	2	4	-	19	150
HR11240400	PŁ 4	100	27	16	2	4	-	25	100
HR11240500	PŁ 5	120	36.5	16	2	4	-	30	100
HR11240600	PŁ 6	150	53	16	2	4	-	38	100

Wide flat connector

HR11240100 2/2

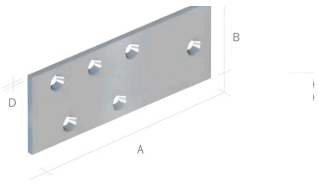
Product number	Product symbol	A	B	C	D	Φ4.5	Φ6	Weight g/pc	Packing pcs/pack
HR11240700	PŁ 7	180	66	20	2	4	-	53	100
HR11240800	PŁ 8	200	66	20	2	4	-	59	50
HR11240900	PŁ 9	200	66	20	4	4	-	121	50
HR11241000	PŁ 10	240	89	20	2	4	-	71	50
HR11241100	PŁ 11	250	77.5	20	5	-	4	186	50
HR11241200	PŁ 12	300	90	25	5	-	4	283	50

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Joist flat connector

HR11260100 2 variants





The PŁB joist flat connector is made of thick sheet and has a few large holes, unlike the ŁP flat connectors with dense perforation. There are two sizes, PŁB 3 and PŁB 4, made of 4 or 5 mm sheet.

Product number	Product symbol	A	B	C	D	Φ6	Φ7	Φ8	Weight g/pc	Packing pcs/pack
HR11260100	PŁB 3	—	—	—	—	—	—	—	—	40
HR11260200	PŁB 4	295	40	40	5	-	7	-	450	25

A, B, C, D: dimensions in mm · Φ: number of holes of this diameter

Screws and nails for connectors

Screws for timber connectors

HR11200100 14 variants



Screws for fixing angle brackets and roof timberwork elements, made of carbon steel. There are 14 lengths, from 80 to 360 mm, packed 50 pcs.

Material	**Carbon steel**
Carton packing	**50 pcs**

APPLICATION fixing angle brackets and joining roof timberwork elements

Product number	Length [mm]
HR11200100	80
HR11200200	100
HR11200300	120
HR11200400	140
HR11200500	160
HR11200600	180
HR11200700	200
HR11200800	220
HR11200900	240
HR11201000	260
HR11201100	280

Screws for timber connectors

HR11200100 2/2

Product number	Length [mm]
HR11201200	300
HR11201300	340
HR11201400	360

Nails for timber connectors

HR11210100 5 variants



Nails for fixing timber connectors, made of unalloyed steel wire. They are 4.5 mm thick and come in five lengths, from 40 to 80 mm, packed 50 pcs.

Material	**Non-alloy steel wire**
Carton packing	**50 pcs**

APPLICATION fixing timber connectors

Product number	Dimensions width x length [mm]
HR11210100	4.5 x 40
HR11210200	4.5 x 50
HR11210300	4.5 x 60
HR11210400	4.5 x 70
HR11210500	4.5 x 80

10

Profile fillers and sealing



Info-GLOBAL profile fillers for metal roof tiles and trapezoidal sheet.

Info-GLOBAL profile fillers are flexible elements of expanded polyethylene, shaped to fit the covering. There are 8 types for metal roof tiles, 18 for trapezoidal sheet, including T18, T19, T35 and T55, and 4 for under the ridge cap and the eaves flashing. We make a sealer for a profile not on the list on request.

Self-adhesive sealers are made of polyurethane foam, are 1000 mm long and come in two kinds: wedge and rectangular.

PE sealing tape, also called soundproofing or acoustic tape, goes under counter battens. It comes in 39 sizes, from 10 to 100 mm wide and from 2 to 6 mm thick.

Profiled roofing sealers

RR20A 30 variants



The profile filler made of foamed polyethylene fills the gap under metal roof tiles or trapezoidal sheet, at the ridge or eaves. Each type has the shape of a specific sheet profile, so it is chosen from the table by the type of covering and the profile name; separate types are for the ridge cap and for the eaves flashing. If the profile is not on the list, we make the filler on request, just give the sheet manufacturer and the profile name.

Available to order.

Material	**foamed polyethylene**
Material thickness	**20 mm or 24 mm**
Application	**filling gaps under metal roof tiles or trapezoidal sheet roofing, at the ridge or eaves**

Type	Description	Roofing	Length [mm]	Bulk pack [pcs]
RR20A	type RR20 A	metal roof tiles	–	–
RR20B	type RR20 B	metal roof tiles	–	–
KG01	type KG 01	metal roof tiles	–	–
KG02	type KG 02	metal roof tiles	–	–
BG01	type BG 01	metal roof tiles	–	–
BG02	type BG 02	metal roof tiles	–	–
TWIST01	type Twist 1	metal roof tiles	–	–
TWIST02	type Twist 2	metal roof tiles	–	–
T18SYM	T18 symmetrical	trapezoidal sheet	–	–
T18AWAT	T18 A (T18 Plus)	trapezoidal sheet	–	–
T18BWAT	T18 B (T18 Plus)	trapezoidal sheet	–	–
T18ABH	T18 A metal roof tiles	trapezoidal sheet	–	–
T18BBH	T18 B metal roof tiles	trapezoidal sheet	–	–
T18AKB	T18 A KB (1100)	trapezoidal sheet	–	–
T19APROFILMET	T19 A Profilmetal	trapezoidal sheet	–	–
T19BPROFILMET	T19 B Profilmetal	trapezoidal sheet	–	–
T35APKI	T35 A FCN PKI	trapezoidal sheet	–	–
T35BPKI	T35 B FCN PKI	trapezoidal sheet	–	–

Profiled roofing sealers

RR20A 2/2

Type	Description	Roofing	Length [mm]	Bulk pack [pcs]
T35ABH	T35 A metal roof tiles	trapezoidal sheet	–	–
T35BBH	T35 B metal roof tiles	trapezoidal sheet	–	–
T55ABH	T55 A metal roof tiles	trapezoidal sheet	–	–
T55BBH	T55 B metal roof tiles	trapezoidal sheet	–	–
TRB35/1035A	TRB 35/1035 A (Budmat)	trapezoidal sheet	–	–
TRB35/1035B	TRB 35/1035 B (Budmat)	trapezoidal sheet	–	–
TR35B	MD97 TR35 B	trapezoidal sheet	–	–
RR20B+	RR20 B+ SMP	trapezoidal sheet	–	–
T18BKB	for ridge T18 B KB	for ridge cap and eaves flashing	1000	200
ARIA 01	for ARIA 01 ridge cap	for ridge cap and eaves flashing	1000	200
PROFILMETAL 01	for Profilmetal 01 ridge cap	for ridge cap and eaves flashing	1000	200
PROFILMETAL 02	for Profilmetal 02 ridge cap	for ridge cap and eaves flashing	1000	200

PE sealing tape

TPE-10x2 39 variants



Self-adhesive polyethylene foam tape, also called sound-deadening or acoustic tape, for sealing under counter battens and under standing seam sheet. Under counter battens it is laid where the membrane is fixed, as the membrane laying instructions recommend, and for standing seam sheet it is stuck to the underside, where it seals the joint and dampens wind and rain noise. The adhesive covers the whole width, which makes laying easier. It comes in 39 sizes, and the length in a pack depends on the size, so the size and pack are chosen from the table.

Material	**polyethylene foam**
Width	**10–100 mm**
Material thickness	**2–6 mm**

APPLICATION under counter battens and under standing seam sheet, as a seal and sound-deadening

Type	SIZE [mm]	PACK [m]
TPE-10x2	10×2	40
TPE-20x2	20×2	40
TPE-30x2	30×2	40
TPE-40x2	40×2	40
TPE-45x2	45×2	40
TPE-50x2	50×2	40
TPE-60x2	60×2	40
TPE-70x2	70×2	40
TPE-80x2	80×2	40
TPE-90x2	90×2	40
TPE-95x2	95×2	40
TPE-100x2	100×2	40
TPE-10x3	10×3	30
TPE-15x3	15×3	30
TPE-20x3	20×3	30
TPE-30x3	30×3	30
TPE-40x3	40×3	30
TPE-45x3	45×3	30
TPE-50x3	50×3	30
TPE-60x3	60×3	30

PE sealing tape

TPE-10x2 2/2

Type	SIZE [mm]	PACK [m]
TPE-70x3	70×3	30
TPE-80x3	80×3	30
TPE-95x3	95×3	30
TPE-100x3	100×3	30
TPE-20x4	20×4	20
TPE-30x4	30×4	20
TPE-40x4	40×4	20
TPE-45x4	45×4	20
TPE-50x4	50×4	20
TPE-60x4	60×4	20
TPE-70x4	70×4	20
TPE-80x4	80×4	20
TPE-95x4	95×4	20
TPE-100x4	100×4	20
TPE-20x5	20×5	20
TPE-30x5	30×5	20
TPE-60x5	60×5	15
TPE-70x5	70×5	–
TPE-95x6	95×6	15

Self-adhesive roofing sealers

10006030G 4 variants



Self-adhesive polyurethane foam sealers fill the gaps under metal roof tiles and trapezoidal sheet, at the ridge or eaves. Unlike profile fillers, they do not follow the shape of a specific profile, but fit most standard coverings in shape and size. There are two types, the sealing wedge and the rectangular universal sealer, each in two cross-sections and in lengths of 1000 mm, with an adhesive strip across the whole surface.

Material **polyurethane foam with adhesive strip**

Application **filling gaps under metal roof tiles or trapezoidal sheet roofing, at the ridge or eaves**

Type	Kind	SIZE [mm]	Bulk pack [pcs]
10006030G	wedge	1000x60x30	100
10005525G	wedge	1000x55x25	200
10004050SMP	rectangular	1000x50x40	100
10004020SMP	rectangular	1000x40x20	–

Expanding tape

HR04075001



The expanding tape seals the joint between the roof valley and the tiles and replaces sealing wedges. It is made of polyurethane foam impregnated with an acrylic solution, in a 5 m roll, black.

Material	**Polyurethane foam impregnated with an acrylic solution**
Roll length	**5 m**
Width	**20 mm**
Height after expansion	**50 mm**
Carton pack	**15 pcs**
Colour	**black**

APPLICATION expanding tapes are an alternative to wedges

product no.
HR04075001

11



Pipe flashings

Info-GLOBAL EPDM flanges for pipes from Ø6 to Ø330 mm.

Info-GLOBAL flanges seal ventilation pipes, chimneys and other protruding elements on low roof profiles and on the side walls of structures. They are made of EPDM, with a square base and a flexible aluminium tape along the edge, so the base lies flat on the sheet profile. There are eight sizes, for pipes from Ø6 to Ø330 mm, with a base from 115 to 390 mm. The diameter ranges overlap, so two neighbouring sizes often fit one pipe.

Pipe flashings

1AR9005 8 variants



The EPDM flashing seals a pipe, ventilation chimney or other element that passes through a low-profile sheet roof or through a side wall, in industrial and single-family buildings. The size is chosen according to the pipe diameter, eight sizes cover pipes from 6 to 330 mm, and the ranges of adjacent sizes partly overlap. The square base, from 115 to 390 mm, can be bent to the shape of the sheet, because a flexible aluminium strip is embedded in its edge.

Material	**EPDM elastomer, square base with a flexible aluminium strip embedded in the edge**
Application	**industrial and single-family construction; sealing, among others, pipes and ventilation chimneys in profiled roof coverings**

Index	Pipe diameter [mm]	Base dimensions [mm]
1AR9005	6-50	115
2AR9005	30-75	160
3AR9005	60-100	205
4AR9005	75-155	250
5AR9005	102-178	273
6AR9005	125-230	305
7AR9005	150-280	360
8AR9005	180-330	390

12

Magnetic hex sockets



Info-GLOBAL bits and sockets for screwdrivers.

Info-GLOBAL assembly sockets are bits for screwdrivers, used when installing screws. The M8 magnetic socket fits screws with an 8 mm hex head, and the magnet reduces the chance of the screw falling out. The TORX® magnetic socket fits a T20 recess. The S8 spring socket fits the same screws as the M8.

Magnetic socket



M8 bit for screwdrivers, for screws with an 8 mm hex head, including AR0 4,8xL and AR2 4,8xL. The magnet holds the screw in the bit and reduces its falling out during installation. The same 8 mm head is also driven with the S8 spring socket, and for screws with a UFO head and a T20 socket there is the TORX® magnetic socket.

Material	**steel**
Application	**fixing screws; the magnetic bit reduces the risk of the screw falling out**

Type	SIZE [mm]
Magnetic socket	M8

TORX® magnetic socket

TORX magnetic socket



TX20 bit for screwdrivers, for screws with an oval UFO head and a T20 socket, that is AR0 4,8xL UFO and AR2 4,8xL UFO. The magnet holds the screw in the bit and reduces its falling out during installation. UFO screws are tightened with a torque of about 3 Nm, so the screwdriver should have torque adjustment. For the 8 mm hex head there are the M8 and S8 sockets.

TORX® is a registered trademark of Acument Intellectual Properties, LLC.

Material	**steel**
Application	**fixing screws; the magnetic bit reduces the risk of the screw falling out**

Type	SIZE [mm]
TORX magnetic socket	TX20

Spring socket



S8 bit for screwdrivers, for all screws with an 8 mm hex head, including AR0 4,8xL and AR2 4,8xL. It differs from the M8 magnetic socket for the same head by a spring in the bit instead of a magnet. For the T20 socket in UFO screws there is the TORX® magnetic socket.

Material	**steel**
Application	**fixing screws; spring in the bit**

Type	SIZE [mm]
Spring socket	S8

13

Touch-up paint

Info-GLOBAL spray paint, paint stick and marker for coating repairs.



Info-GLOBAL touch-up paints repair minor coating damage on sheet metal: chips, scratches and damage from transport or installation. They also protect cut sheet edges.

The spray paint is 400 ml, and the nozzle gives strong coverage. The 20 ml paint stick suits small blemishes. Both are available in colours from the RAL colour chart. A touch-up marker is also on offer.

Spray paint 400ml

SY-0000



Spray paint, 400 ml, for touching up coating damaged in transport or during installation of sheets. The nozzle sprays the paint with strong covering power, so the spray is for larger damage, and a single chip, scratch or cut edge is easier to repair with the 20 ml touch-up paint stick. The colour follows the RAL chart, so give the sheet colour number in the order.

Code	Type	Capacity
SY-0000	Spray paint	400ml

Touch-up paint 20ml

ST-0000



Touch-up paint stick, 20 ml, with a brush in the cap, for small chips and scratches in the sheet coating and for protecting cut edges. Larger damage, e.g. from transport or installation, is repaired with the 400 ml spray paint. The colour follows the RAL chart, as with the spray, so give the sheet colour number in the order.

Code	Type	Capacity
ST-0000	Touch-up paint stick	20ml

Touch-up marker

MK-0000



15 ml marker with quick-drying acrylic paint for touching up minor scratches and chips in the coating on sheet metal. It has two tips: a brush that covers a 5 mm strip, and a fine tip for scratches 1 mm wide. The paint is both primer and topcoat, so it improves the appearance and protects against corrosion.

Shake the marker for about a minute before use. The brush is under the screw-off cap and the fine tip under the pen cap; the paint is fed to the fine tip by squeezing the marker at the sides. The colour follows the RAL chart, so give the sheet colour number in the order.

Capacity	**15 ml**
Application method	**brush and fine tip**
Coverage width	**brush 5 mm, fine tip 1 mm**
Application temperature	**10–20 °C**

Drying time	**10–30 min, depending on conditions**
Full curing	**24 h**
Colours	**RAL chart**
Bulk pack	**12 pcs**

Code	Type	Capacity
MK-0000	Touch-up marker	15ml

14

Saddle washers

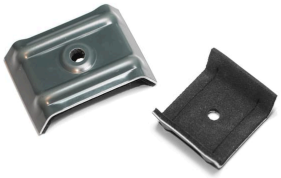


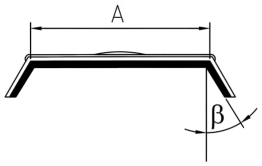
Info-GLOBAL saddle washers for trapezoidal sheet, from DK 25 to DK 41.

The Info-GLOBAL saddle washer sits under the screw head at the crest of trapezoidal sheet. Sizes are DK 25, 30, 35 and 41, also in RAL colour. The bulk pack is 100 pieces. Give us the sheet profile and we will choose the size.

Saddle washers

DK-25 8 variants





The saddle washer sits under the screw head when trapezoidal sheet is fixed in the crest, and when sandwich panels are fixed; it stiffens and seals the joint and dampens vibration. The size, DK 25, 30, 35 or 41, is chosen to suit the sheet profile, so state the profile in your enquiry; the dimensions and angle β of each size are in the table. The saddle washer is made of 1 mm thick aluminium permanently bonded to EPDM, and every size is also painted in the RAL colour of the covering.

Bulk pack	**100 pcs**
Material	**aluminium + EPDM**
Paint coating	**polyester, UV-resistant, in the colour of the roof covering**

APPLICATION washer under the screw head at the crest of trapezoidal sheet and when fixing sandwich panels

Product number	Size	A	Dimensions [mm]	β	Colour	Finish
DK-25	25	25 mm	25 × 35	23°	—	aluminium 1mm + EPDM
DK-25-35-RAL	25-35	25 mm	25 × 35	23°	RAL	aluminium 1mm + EPDM
DK-30	30	30 mm	30 × 35	24°	—	aluminium 1mm + EPDM
DK-30-35-RAL	30-35	30 mm	30 × 35	24°	RAL	aluminium 1mm + EPDM
DK-35	35	35 mm	35 × 35	43°	—	aluminium 1mm + EPDM
DK-35-35-RAL	35-35	35 mm	35 × 35	43°	RAL	aluminium 1mm + EPDM
DK-41	41	41 mm	41 × 40	56°	—	aluminium 1mm + EPDM
DK-41-40-RAL	41-40	41 mm	41 × 40	56°	RAL	aluminium 1mm + EPDM

A, B, C, D: dimensions in mm

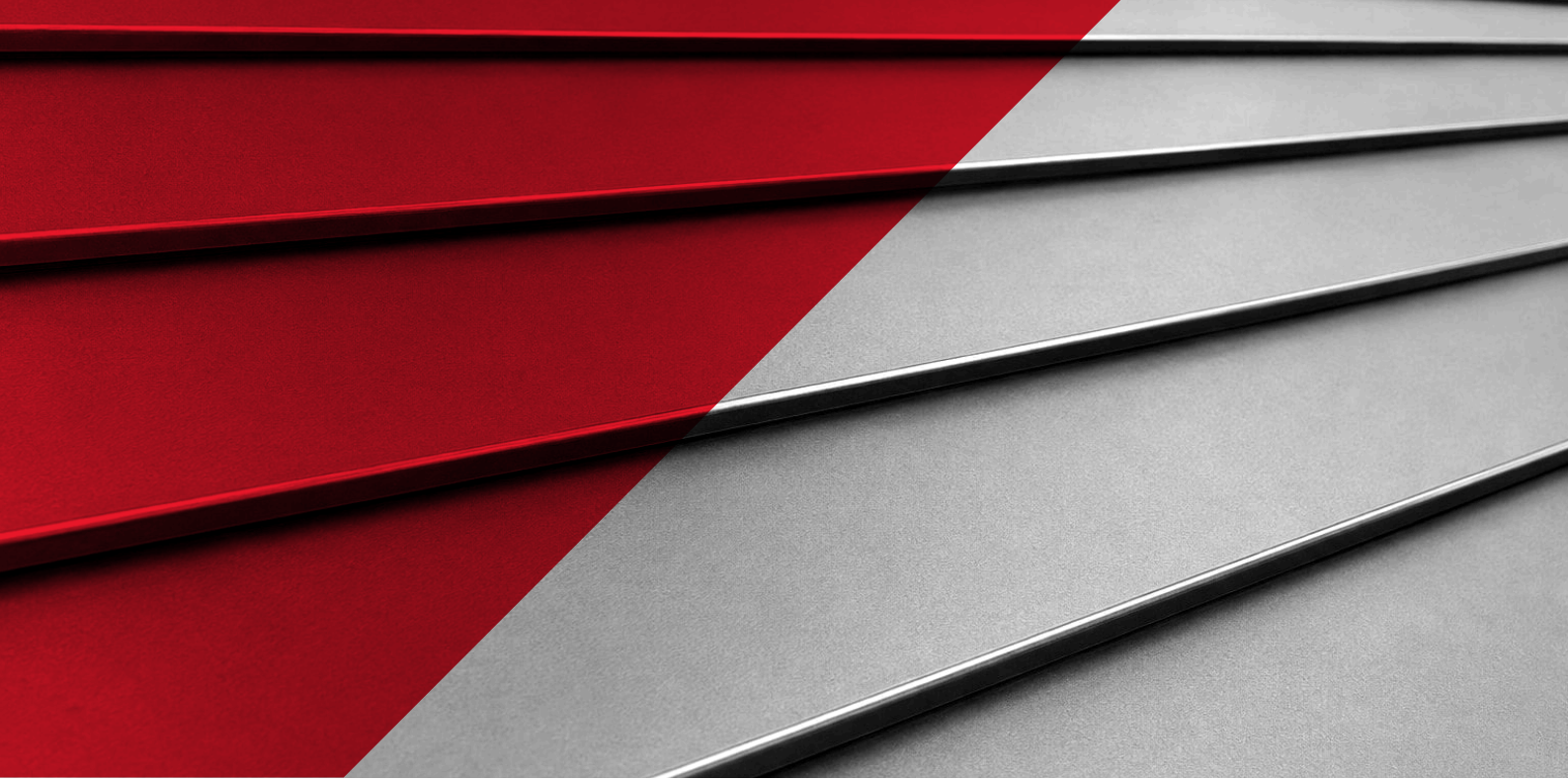
Available colours

·· = RAL colour code

HR102112·· → HR10211201

	··	RAL	
	00	0000	zinc-plated
	01	9005	black
	02	8004	brick red
	03	8017	brown
	04	8019	dark brown
	05	8012	chestnut
	06	7016	anthracite grey
	07	3011	red
	08	7022	grey
	09	3013	cherry
	10	7024	anthracite
	98	—	copper effect
	99	—	copper
	—	—	natural aluminium

Swatches are indicative — the shade on screen differs from the coating. We send a RAL colour chart on request.



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