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PRODUCT CATALOGUE

 Professional solutions for plumbers and roofers

GRÖMO

One step ahead of the rain



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TABLE OF CONTENT

GRÖMO

Vision since 1888.....	4
Born in Allgäu. Grown in the Allgäu.....	6

Product range

Product overview	8
Design	16
Manufactory	18

Excellence

GRÖMO - quality that convinces	20
All-round care with the GRÖMO service	22
High quality materials	24

Products

Gutter corners and gutter accessories

Gutter hooks	29
Gutter corners	29
Gutter end caps	33
Gutter quarter spheres	35
Expanders	37
Gutter connectors	38
Fascia boards	38
Leaf sieve	38
Leaf grilles	39

Gutter outlets and hoppers

Plug-in gutter outlets	43
Diagonal gutter outlets	44
Oberstdorfer gutter outlets	45
Soldering gutter outlets	45
Outlets	47
Adjustable outlets	47
Gutter extensions	48
Hoppers	49
Hopper accessories	57

Elbows

Pipe elbows	61
Swan necks	63
Articulated elbows	63

Pipe accessories

Rainwater pipe flaps	66
Water collectors	69

Rain barrel	71
Water distributors	71
Leaf catchers	71
Leaf traps	72
Odour traps	72
Flat-roof branches	72
Pipe branches	74
Adapter cones	76
Reducers	76
Sliding sleeves	76
Connection sleeves	77
Standpipe caps	78
Pipe brackets	81
Pipe bracket mountings	83
Beads / Halfbeads	85
Downpipe stopgaps	85
LED downpipe lighting	90

Standpipes

Rainwater standpipes	94
Sealing elements	100
Rainwater standpipe brackets	100
Rainwater standpipe accessories	101

Roof and chimney accessories

Antenna sockets	104
Fans	104
Outlet vents	105
Roof ridge air vents	106
Stud caps	106
Pigeon guards	107
Chimney hoods	109
Chimney flashings	110
Overhang plug-in frames	111

Further information

Technical specs	112
Material properties	117
General terms and conditions	122
Index	124
Technical specs	126



VISION SINCE 1888

Welcome to the specialists for roof drainage

Vision and over 135 years of experience in metal processing have had a lasting impact on GRÖMO: Tradition and progress are combined in each of our products, making GRÖMO the premium supplier in the field of roof drainage today.

With our products, we make work on roofs faster, more profitable and more successful. Because our roof drainage components with the original GRÖMO star are characterised by sophisticated product details: quicker to install and more attractive to look at – that's our claim. It also goes without saying that we use high-quality metals that guarantee a long service life and high quality.

Innovative products, speed and partnership-based cooperation:
This is exactly what the GRÖMO tinsmith star has stood for over 135 years.

GRÖMO – one step ahead of the rain





A PERFECT MATCH: GRÖMO AND THE ALLGÄU

The Allgäu is not only known for its breathtaking landscapes, fantastic mountain scenery and unspoilt nature – it can also rain heavily here! And where people have always lived with extreme weather phenomena, they know best how to deal with them. So it's no wonder that the gutter outlet was invented here and the Allgäu became the highlands of roof drainage.

The undisputed hotspot here: Marktoberdorf. Plumber Karl Theodor Rösle started a business here in 1888. In 1907, his sons took over and developed the "gutter outlet", setting a milestone in the success story of GRÖMO – today the specialist for roof drainage in Germany and Europe.

BEDROCK

 Born in the Allgäu. Grown in the Allgäu.

Original destination: Nagelfluhkette

Incidentally, many things about GRÖMO are typical of the Allgäu characteristics: the meticulous insistence on quality and durability, the inventive spirit and the courage to try new things without overreaching. GRÖMO has entered into a brand partnership with the Allgäu region under this umbrella of values. The strong tourism and business brand and GRÖMO as a brand that perfectly equips roofers tradesmen for all weathers are two players that are a sustainable match. And because we are and will remain true Marktoberdorf residents, we will continue to invest heavily in the location – another sign of our commitment to the region.

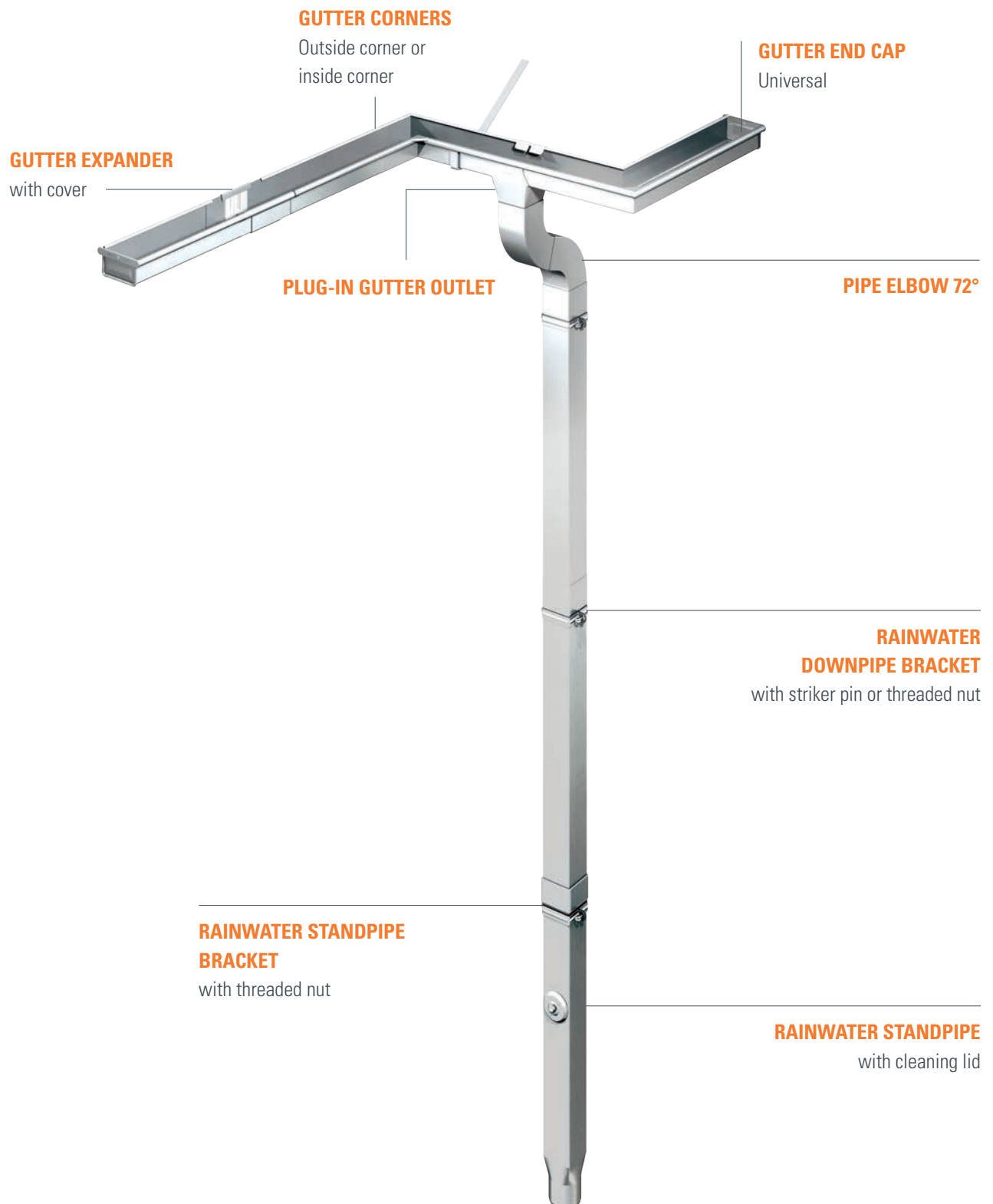


GRÖMO
One step ahead of the rain

THE GRÖMO ROOF DRAINAGE COMPONENTS HALF-ROUND/ROUND



THE GRÖMO ROOF DRAINAGE COMPONENTS BOX SHAPE





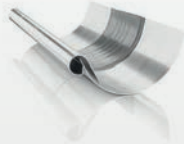
GUTTER CORNERS/ACCESSORIES

GRÖMO gutter corners are available for gutters cut to size from 200 to 400 mm. Available in deep-drawn or soldered versions.

GRÖMO gutter accessories offer everything you need for standard-compliant gutter installation. Thanks to cuts from 200 to 500 mm in accordance with DIN EN 612, the accessories are suitable for many areas of application.



Gutter end cap



Expander



Leaf sieve

- Gutter corner
- Quadrant
- Fascia board
- Leaf guard
- Gutter connector
- Storm clip

GUTTER OUTLETS/HOPPERS

GRÖMO outlets are available to fit gutters cut to size from 200 to 500 mm and with a drainpipe diameter of 50 to 150 mm. They can be combined with all drainpipes, allowing the greatest possible freedom of design.

GRÖMO also offers a large selection of hoppers: for pitched or flat roofs, for gutter or wall mounting, in classic form or as a design variant. We also manufacture hoppers by hand according to your requirements.



Plug-in gutter outlet



Hopper



Soldering outlet

- Diagonal outlet
- Adjustable outlet
- Oberstdorfer outlet
- Outlet spout
- Gutter extension
- Accesories for hoppers

ELBOWS

The GRÖMO elbow range has a suitable variant for every roof overhang. GRÖMO elbows are available in degrees of 40°, 60°, 72°, 85° and 87° and with overhangs of 300 to 1850 mm.



Beaded elbow



Square pipe elbow



Swan neck

- Pipe elbow
- Articulated elbow
- Pipe corner elbow

PIPE ACCESSORIES

GRÖMO pipe accessories support plumbers and roofers in the installation of downpipes and their transitions in many areas of application. Available in diameters from 50 to 150 mm and in accordance with DIN EN 612. The range also offers convenient solutions for water collection and leaf protection.



Water collectors



Flat-roof branch



Pipe bracket

- Rainwater pipe flap
- Water distributors
- Leaf catcher/trap
- Odour trap
- Sliding sleeve
- Pipe branch
- Downpipe cap
- Adapter cone
- Reducer
- Connection sleeve
- Bead/half bead
- Downpipe stopgap
- Pipe bracket fastening
- LED downpipe lighting

RAINWATER STANDPIPES

The rain standpipe range from GRÖMO offers everything you need to connect downpipes and sewer pipes. Made of galvanised steel with an internal coating or copper, the standpipes are corrosion-resistant, durable, stable, functional and suitable for a wide range of applications. GRÖMO offers additional connecting elements, fastenings and seals for special pipe connections.



Rainwater standpipe



Rainwater standpipe accessories



Sealing element



Rainwater standpipe bracket

ROOF/CHIMNEY ACCESSORIES

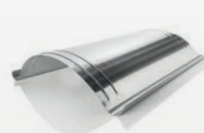
GRÖMO roof accessories offer everything you need for a secure and reliable connection to the roof. The chimney protection delivery programme also offers convenient solutions that support the chimney.



Aerial socket



Ventilator ridge unit



Chimney hood

- Outlet vent
- Fan
- Stud caps
- Pigeon guard
- Chimney flashing
- Overhang plug-in frame



CLASSIC

Wide selection for your roof

GRÖMO offers you around 3,500 items from the areas of roof drainage, roof and chimney accessories in five different metals and ten finishes – everything you need for customised roof drainage.

First-class products for a first-class result

All products are manufactured in accordance with the Euro 612 standard and guarantee the highest quality and accuracy of fit. There are neither material deviations nor discrepancies in the product geometry.

All GRÖMO roof drainage components fit together perfectly. This enables quick, easy and safe installation. In addition, sophisticated product details and highly functional millimetre work – a minimal change in geometry, an additional groove, an extra spring or a prepared opening – optimise installation. This saves manpower, equipment and manual labour, in short: effort and time.





GERMAN
DESIGN
AWARD
WINNER
2024



GERMAN
DESIGN
AWARD
WINNER
2024



GERMAN
DESIGN
AWARD
SPECIAL
2024



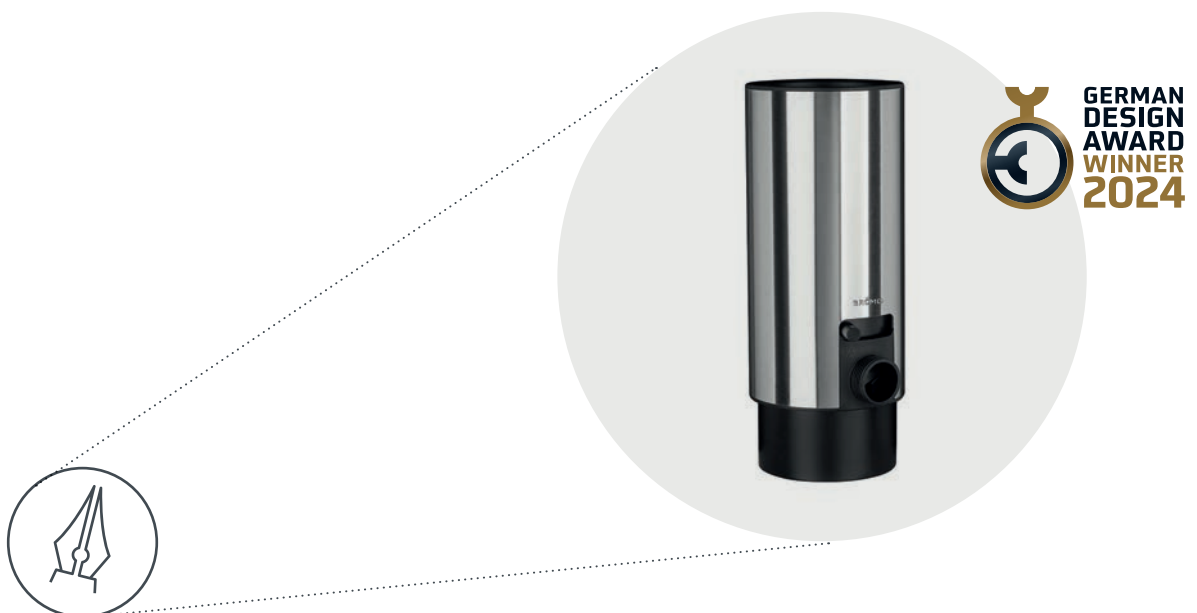
DESIGN

Innovative aesthetics

Whether discreetly integrated or as an accentuating design feature, GRÖMO roof drainage components make an enriching contribution to the beautiful appearance of any building. With the design products, roof drainage becomes an eye-catcher and a unique style element on the roof and façade.

Perfectly shaped and functional

The design products are the perfect solution for discerning customers who value the highest quality, maximum functionality and modern design. They score highly with architects thanks to their design, which reflects the design language of modern architecture, and with craftspeople thanks to their simple, quick installation.



All products labelled with this label fulfil the criteria of a GRÖMO design product.



MANUFACTURE

Customised customer solutions

Roof drainage is often not sufficient with standard products. Tinsmiths and roofers have to master unusual requirements and wishes. No problem with GRÖMO – your roof drainage specialist.

Craftsmanship at its finest

GRÖMO manufactures numerous individual, customised accessories that are not available in series in the version you require. This saves you time and money by eliminating the need for time-consuming customisation work and still allows you to fulfil your customers' wishes. Precision and care in manufacturing, combined with high functionality and accuracy of fit, also characterise GRÖMO's handcrafted products.



All products labelled with this
label fulfil the criteria of a
GRÖMO manufactured product

PEAK PERFORMANCE



✦ GRÖMO quality that impresses



DETAILS FOR EASY INSTALLATION

Ingenious product details, high accuracy of fit, and highly functional precision work ensure fast, easy, and secure installation of our components. What you get: You need less manpower, less equipment, fewer handholds. In short: You save time and effort.

STANDARD-COMPLIANT COMPONENTS

GRÖMO roof drainage components are manufactured according to the Euro-Norm 612 standard. All specifications required by the standard, such as material thickness or cuts, are fulfilled in every respect and, in some cases, even vastly exceeded. That is what the GRÖMO star stands for as a quality and trademark.



BEST RAW MATERIALS

At GRÖMO, only high-quality raw materials from exclusively European suppliers are used, because high-quality materials are the first prerequisite for high quality and excellent accuracy of fit. GRÖMO offers additional security with agreements on the assumption of liability and material guarantees.



GUARANTEED QUALITY

To ensure that our customers will always be certain to receive the quality we promise, we do not compromise when it comes to selecting our suppliers or in the coating, testing and inspection of our products. Strict controls, complete documentation of all work processes, continuous improvement and regular training of employees form the basis of the GRÖMO quality standard.

"MADE IN GERMANY" DELIVERY BENEFIT

Our production in Germany is the main reason for our high delivery capacity. This means almost every item is available immediately ex warehouse. However, if a product is not in stock, the short production times mean that it can be delivered quickly.



ROUTE PLANNER

All-round care with the GRÖMO service

Our first-class products are just half of our entrepreneurial success. The other half is based on personalised advice, professional support and a wide range of services that make your roofing work faster, more profitable and more successful.



TECHNICAL ADVICE For questions about the products

Do you have general or technical questions about our products and their use or about installation in accordance with the relevant technical regulations? Our application engineers will provide you with fast, uncomplicated assistance.

Application technology

Telephone: +49 8342 912-532

WhatsApp: +49 8342 912-532

E-mail: service@groemo.de

ASSEMBLY INSTRUCTIONS AND VIDEOS

User-friendly information

Instructions for quick and easy installation of GRÖMO products can be downloaded from our website and viewed on our YouTube channel. However, most GRÖMO products are designed to be so user-friendly that instructions are not necessary.



DIMENSIONED PRODUCT DRAWINGS

For easier planning

We provide dimensional drawings and CAD data of GRÖMO products on our website. This significantly shortens time-consuming planning phases, as you can continue working with the information immediately. All important product dimensions can be seen at a glance.

ONLINE SEMINARS

Mastering challenges

The industry is facing more and more challenges – extreme weather conditions, new laws, standards, materials, production techniques, etc. At the same time, new opportunities are opening up.

Deepen your knowledge to optimally master the tasks of tomorrow. At GRÖMO, we want to help you stay one step ahead. In our free online seminars, we share our knowledge with you and give you practical tips and support.



GUTTER CALCULATION

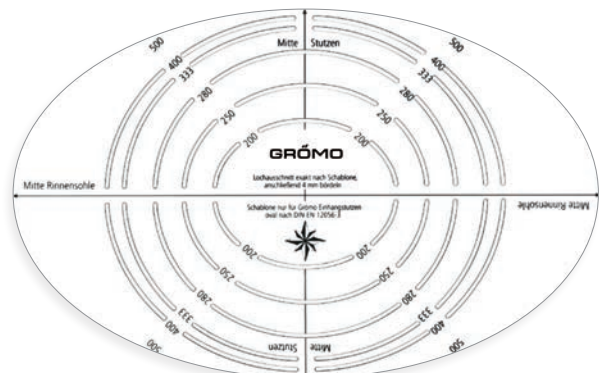
Easy implementation of DIN EN regulations

GRÖMO offers you a comprehensive service for calculating the drainage capacity of suspended gutters. Simply click on www.groemo.de and use our free online programme to calculate the drainage capacity in accordance with EN 12056 - Part 3.

GRÖMO CUTTING TEMPLATE

For the exact gutter section

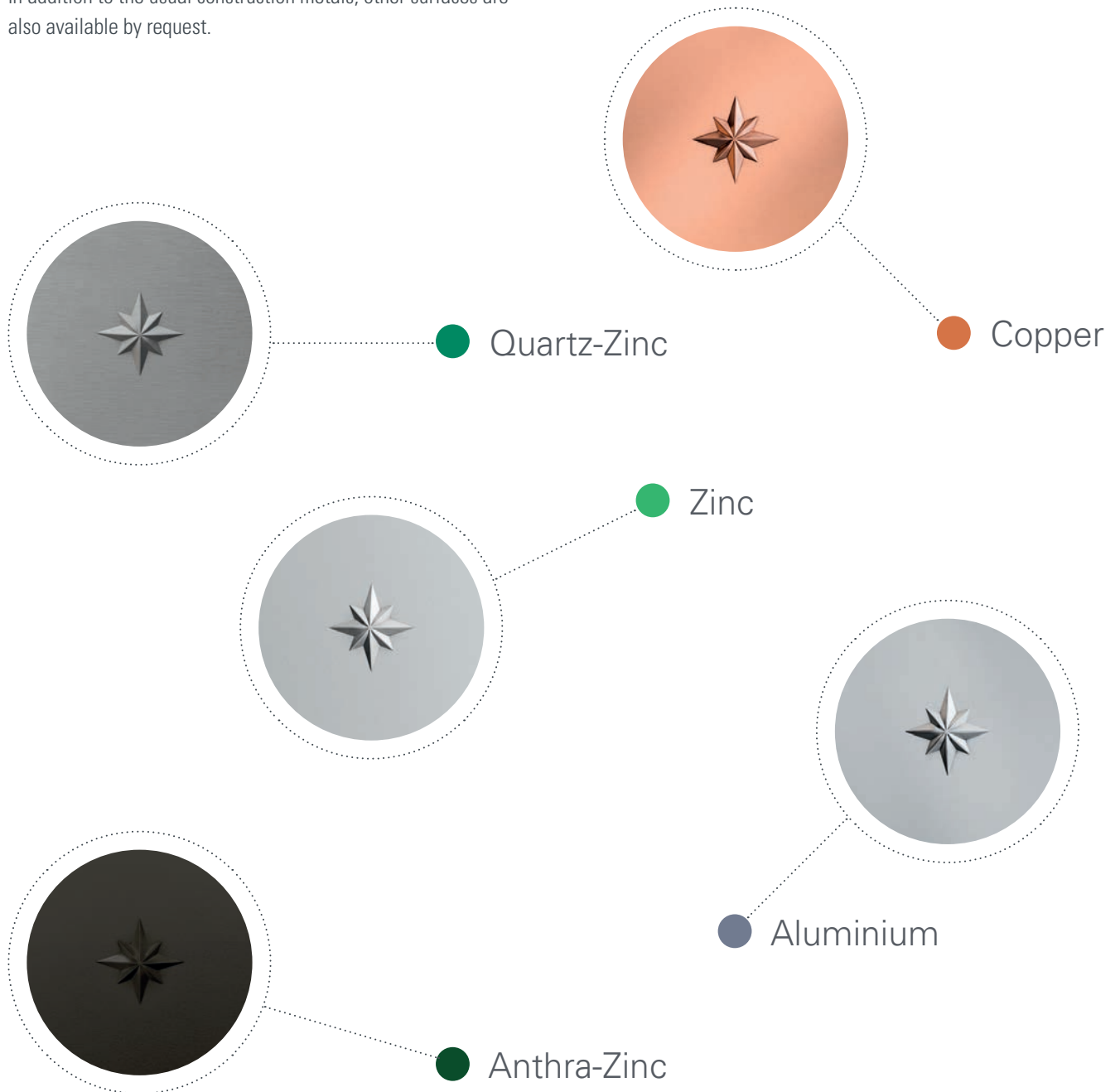
The combination of GRÖMO outlet and gutter section using the template guarantees correct craftsmanship. This is the only way to achieve the precise drainage capacities calculated. Order your free cutting template for oval plug-in gutter outlets at service@groemo.de. Additional PDF templates are available on the website.



ORIGIN

The GRÖMO material selection

Whether made of zinc, Quartz-Zinc, Anthra-Zinc, copper, galvanised steel, stainless steel, UGINOX Patina K41, UGINOX Top 304 or aluminium, when it comes to the variety and choice of materials, GRÖMO offers you almost unlimited possibilities. In addition to the usual construction metals, other surfaces are also available by request.



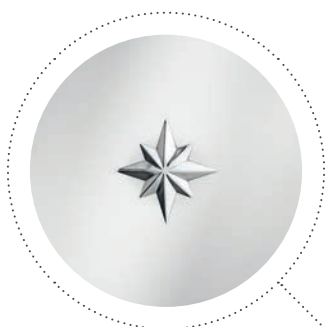
☐ Other surfaces by request



● Galvanised steel



● Galvanised steel, Testa di Moro



● Stainless steel



● UGINOX Patina K41



● UGINOX Top 304

IT ALL COMES DOWN TO THE GUTTER ACCESSORIES

GRÖMO gutter corners are available for gutters cut to size from 200 to 400 mm. Available in deep-drawn or soldered versions.

GRÖMO gutter accessories offer everything you need for standard-compliant gutter installation. Thanks to cuts from 200 to 500 mm in accordance with DIN EN 612, the accessories are suitable for many areas of application.

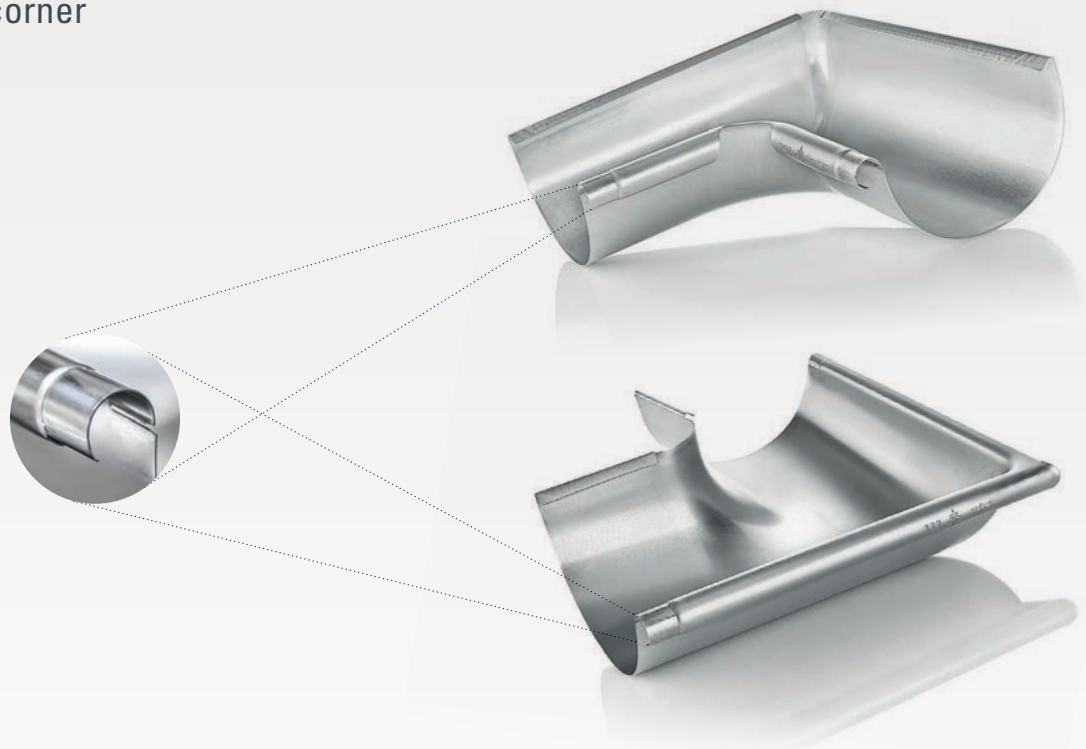


Gutter hooks	29
Gutter corners	29
Gutter end caps	33
Gutter quarter spheres	35
Expanders	37
Gutter connectors	38
Fascia boards	38
Leaf sieve	38
Leaf grilles	39

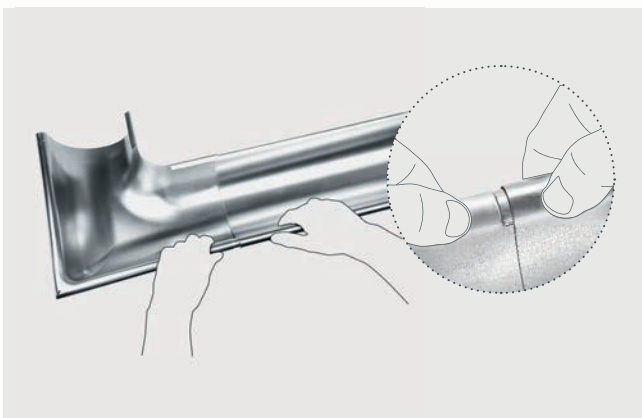


SIGNPOST

* The GRÖMO gutter corner

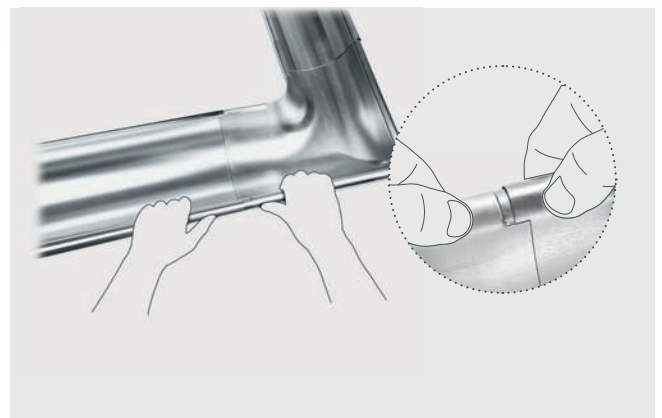


The GRÖMO gutter corner is a functional masterpiece. It makes the work of the craftsman much easier and eliminates the need for laborious screwing. Thanks to the recessed bead with mounting aid, the gutter corner is easy to attach.



Simple for one side

In order to ideally drain the rainwater in the direction of flow through the gutter, the gutter corner is pushed under the gutter on one side by inserting the recessed bead of the corner into the gutter bead. The slot can be ignored.



Simple for the other side

On the other side, the gutter is pushed under the gutter corner by inserting the bead of the gutter into the insertion slot of the recessed corner bead.



GUTTER HOOK FOR PROFILED SHEETS

NEW

Nominal size	250	333	400
● Galvanised steel	500754	500755	500756

For dimensions, see technical data sheet



GUTTER CORNER - EXTERIOR CORNER - 90° - HALF ROUND

Nominal size	200	250	280	333	400
● Zinc	620300 ²	620301 ³	620302 ³	620303 ³	620304 ³
● Quartz-Zinc		660301 ³	660302 ³	660303 ³	
● Anthra-Zinc		661301 ³	661302 ³	661303 ³	
● Copper	600300 ²	600301 ³	600302 ³	600303 ³	600304 ³
● Galvanised steel	500300 ²	500301 ³	500302 ³	500303 ³	500304 ³
● Testa di Moro		530301 ²	530302 ²	530303 ²	530304 ²
● UGINOX Patina K41		541301 ³	541302 ³	541303 ³	541304 ³
● UGINOX Top 304		541305 ¹	541310 ¹	541312 ¹	541315 ¹
● Aluminium	840300 ²	840301 ²	840302 ²	840303 ²	840304 ²

¹ Soldered

² Deep-drawn

³ Deep-drawn, with insertion slot for easy mounting



GUTTER CORNER - INTERIOR CORNER - 90° - HALF ROUND

Nominal size	200	250	280	333	400
● Zinc	620305 ²	620306 ³	620307 ³	620308 ³	620309 ³
● Quartz-Zinc			660307 ³	660308 ³	
● Anthra-Zinc		661306 ³	661307 ³	661308 ³	
● Copper	600305 ²	600306 ³	600307 ³	600308 ³	600309 ³
● Galvanised steel		500306 ³	500307 ³	500308 ³	500309 ³
● Testa di Moro		530306 ²	530307 ²	530308 ²	530309 ²
● UGINOX Patina K41		541306 ³	541307 ³	541308 ³	541309 ³
● UGINOX Top 304		541317 ¹	541320 ¹	541321 ¹	541322 ¹
● Aluminium	840305 ²	840306 ²	840307 ²	840308 ²	840309 ²

¹ Soldered

² Deep-drawn

³ Deep-drawn, with insertion slot for easy mounting





GUTTER CORNER - EXTERIOR CORNER - 90° - HALF ROUND - SIDE LENGTH 500 MM

Nominal size	200	250	280	333	400
● Zinc	621246	621247	621248	621249	621250
● Copper			601286	601287	

Soldered



GUTTER CORNER - INTERIOR CORNER - 90° - HALF ROUND - SIDE LENGTH 500 MM

Nominal size	200	250	280	333	400
● Zinc	621251	621252	621253	621254	621255

Soldered



GUTTER CORNER - EXTERIOR CORNER - 135° (=45°) HALF ROUND - SIDE LENGTH 300 MM



Nominal size	200	250	280	333	400
● Zinc	621480	621481	621482	621483	621484
● Copper	601480	601481	601482	601483	

Soldered



GUTTER CORNER - INTERIOR CORNER - 135° (=45°) HALF ROUND - SIDE LENGTH 300 MM



Nominal size	200	250	280	333	400
● Zinc	621490	621491	621492	621493	621494
● Copper				601593	

Soldered



GUTTER CORNER - EXTERIOR CORNER - 90° - BOX SHAPE

Nominal size	200	250	280	333	400
● Zinc	620310 ¹	620311 ¹	620312 ¹	620313 ¹	620314 ¹
● Quartz-Zinc				660313 ¹	
● Copper	600310 ¹	600311 ¹	600312 ¹	600313 ¹	600314 ¹
● Galvanised steel		500311 ²	500312 ¹	500313 ²	500314 ¹
● UGINOX Patina K41		541311 ¹		541313 ¹	541314 ¹
● Aluminium	840310 ¹	840311 ¹	840312 ¹	840313 ¹	840314 ¹

¹ Soldered

² Deep-drawn



GUTTER CORNER - INTERIOR CORNER - 90° - BOX SHAPE

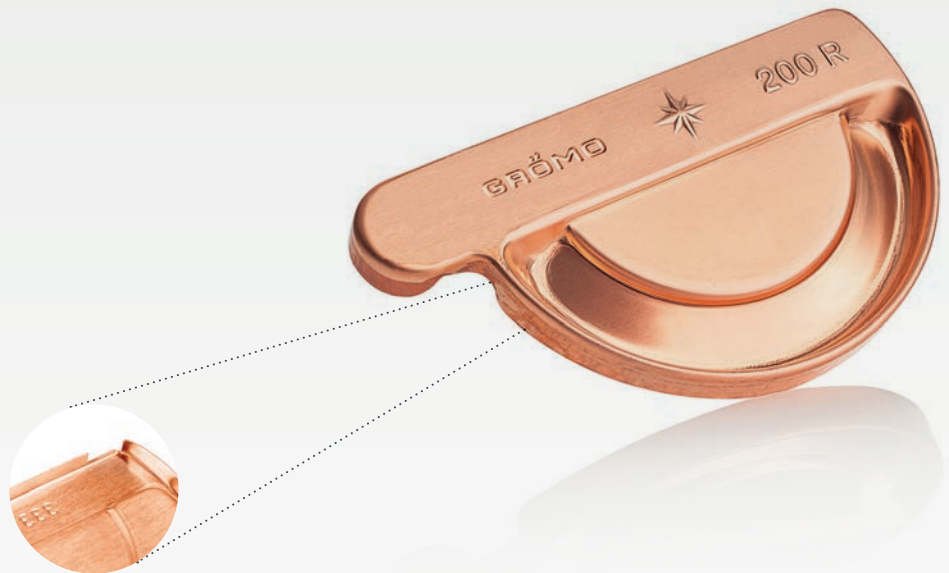
Nominal size	200	250	280	333	400
● Zinc	620315 ¹	620316 ¹	620317 ¹	620318 ¹	620319 ¹
● Quartz-Zinc				660318 ¹	
● Copper	600315 ¹	600316 ¹	600317 ¹	600318 ¹	600319 ¹
● Galvanised steel		500316 ²	500317 ¹	500318 ²	500319 ¹
● UGINOX Patina K41		541316 ¹		541318 ¹	541319 ¹
● Aluminium	840315 ¹	840316 ¹	840317 ¹	840318 ¹	840319 ¹

¹ Soldered

² Deep-drawn

DAM

* The GRÖMO plug-in gutter end cap



The GRÖMO plug-in gutter end cap makes things quicker, cleaner and easier. Thanks to the plug groove, it can be easily attached to the gutter and holds itself in place, leaving you a free hand for soldering or gluing. The plug groove prevents it from jumping away – as is possible with other soldering gutter end caps.

Another well thought-out product detail is the additional notch on the gutter hem. This compensates for tolerances in the gutter geometry. This means that the plug-in gutter end cap fits perfectly on half round gutters from a wide range of manufacturers.



The plug groove makes it easy

Simply plug into the gutter and it holds itself in place thanks to the plug groove.



Free hand for soldering or gluing

No jumping away as is possible with other gutter end caps.
Solder or glue – and done.



PLUG-IN GUTTER END CAP HALF ROUND LEFT

Nominal size	200	250	280	333	400
● Zinc	620650	620651	620652	620653	620654
● Quartz-Zinc		660651	660652	660653	
● Anthra-Zinc		661651	661652	661653	
● Copper	600650	600651	600652	600653	600654
● UGINOX Patina K41				541653	
● Aluminium		840651	840652	840653	840654

With mortise groove and notch on the gutter hem for easy installation. For adhering or soldering



PLUG-IN GUTTER END CAP HALF ROUND RIGHT

Nominal size	200	250	280	333	400
● Zinc	620660	620661	620662	620663	620664
● Quartz-Zinc		660661	660662	660663	
● Anthra-Zinc		661661	661662	661663	
● Copper	600660	600661	600662	600663	600664
● UGINOX Patina K41				541663	
● Aluminium		840661	840662	840663	840664

With mortise groove and notch on the gutter hem for easy installation. For adhering or soldering



NEW

PLUG-IN GUTTER END CAP WITH RUBBER SEAL

Nominal size	250	280	333
● Zinc	620379	620380	620381

Assembly is achieved by simply snapping it on.



GUTTER END CAP HALF ROUND UNIVERSAL

Nominal size	200	250	280	333	400
● Zinc	620370	620371	620372	620373	620374
● Quartz-Zinc			660372	660373	
● Copper	600370	600371	600372	600373	600374
● Galvanised steel	500370	500371	500372	500373	500374
● Testa di Moro		530371	530372	530373	530374
● UGINOX Patina K41		541368	541369	541370	541376
● UGINOX Top 304		541371	541372	541373	541374
● Aluminium	840370	840371	840372	840373	840374

To hems



GUTTER END CAP HALF ROUND UNIVERSAL - HIGH

Nominal size	250	280	333	400
● Zinc	620375	620376	620377	620378
● Copper	600375	600376	600377	600378
● Galvanised steel	500375	500376	500377	500378
● UGINOX Patina K41			541377	
● UGINOX Top 304	541375		541378	
● Aluminium	840378	840379	840380	

To hems



GUTTER END CAP HALF ROUND LEFT

Nominal size	200	250	280	333	400	500
● Zinc	620643	620644	620645	620646	620647	620648
● Copper	600643	600644	600645	600646	600647	600648

For soldering



GUTTER END CAP HALF ROUND RIGHT

Nominal size	200	250	280	333	400	500
● Zinc	620667	620668	620669	620670	620671	620672
● Copper	600667	600668	600669	600670	600671	600672

For soldering



GUTTER END CAP BOX SHAPE UNIVERSAL

Nominal size	200	250	280	333	400
● Zinc	620363	620364	620365	620366	620367
● Copper	600363	600364	600365	600366	600367
● Galvanised steel	500363	500364	500365	500366	500367
● UGINOX Patina K41		541364	541365	541366	541367
● Aluminium	840363	840364	840365	840366	840367

To hems



GUTTER END CAP BOX SHAPE LEFT

Nominal size	200	250	333	400	500
● Zinc	620382	620383	620384	620385	620386
● Copper	600382	600383	600384	600385	600386

For soldering



GUTTER END CAP BOX SHAPE RIGHT

Nominal size	200	250	333	400	500
● Zinc	620387	620388	620389	620390	620391
● Copper	600387	600388	600389	600390	600391

For soldering



ROOFTOP GUTTER END CAP LEFT

Nominal size	400	500
● Zinc	620394	620395
● Copper	600394	600395

For soldering



ROOFTOP GUTTER END CAP RIGHT

Nominal size	400	500
● Zinc	620392	620393
● Copper	600392	600393

For soldering



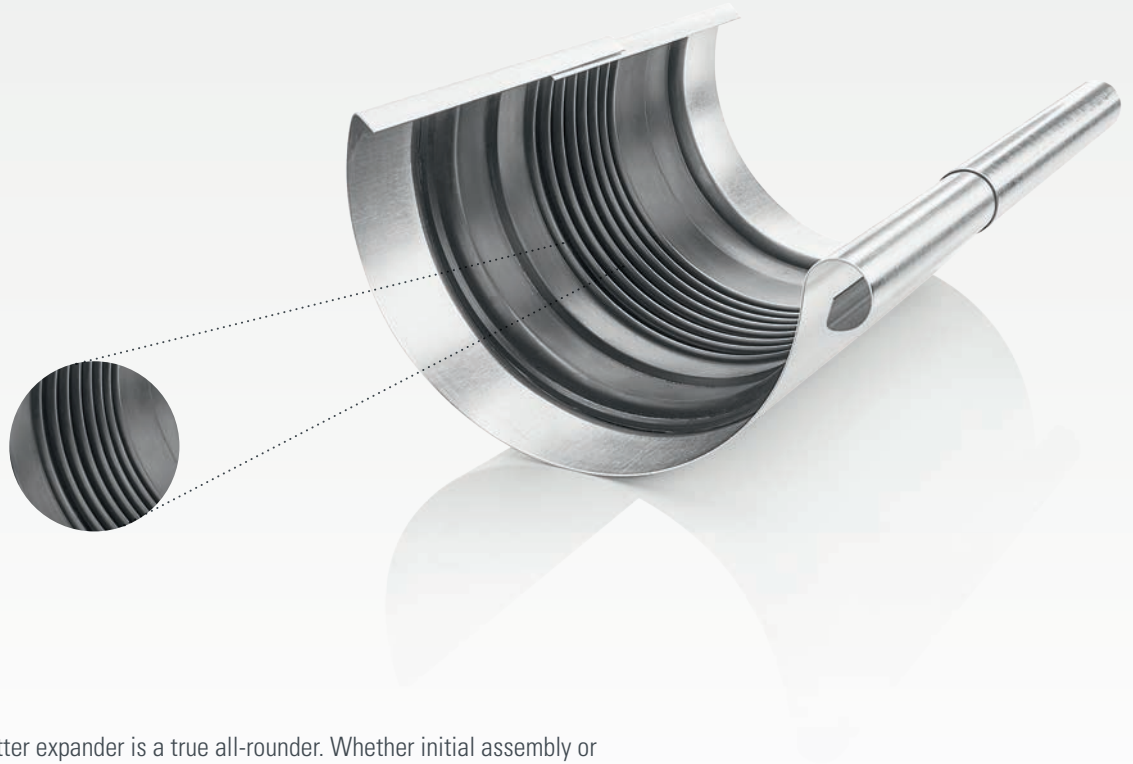
GUTTER QUARTER SPHERE, UNIVERSAL WITH PIN

Nominal size	280	333	400
● Zinc	620632	620633	620634
● Copper	600632	600633	600634

For soldering

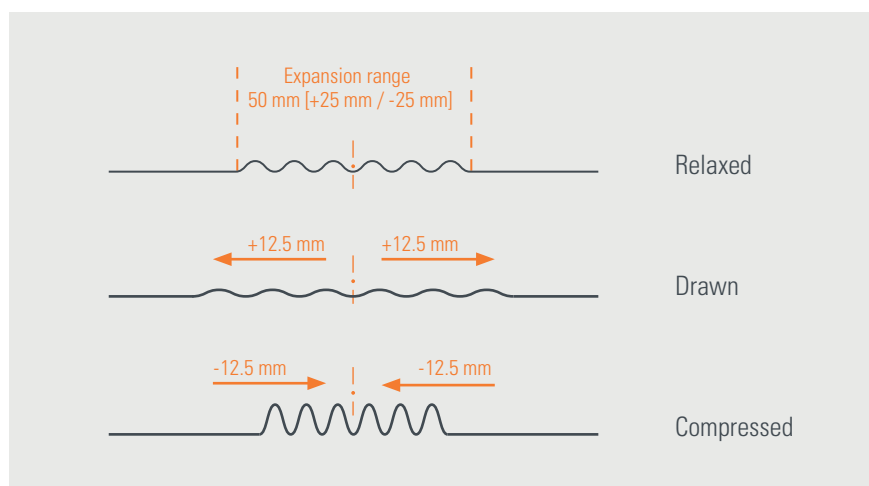
FREEDOM OF FLEXIBILITY

* The GRÖMO universal gutter expander



GRÖMO's universal gutter expander is a true all-rounder. Whether initial assembly or repair of old and brittle movement compensations:

With the universal gutter expander, there is no tension in the gutter! The corrugated dilatation area of the EPDM rubber reliably compensates for material expansions of up to 50 mm and prevents the expander from rising up in the watercourse. The universal gutter expander can be easily glued into any half round gutter.

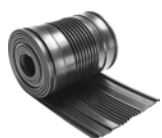




GUTTER QUARTER SPHERE, UNIVERSAL

Nominal size	200	250	280	333	400
● Zinc	620637	620638	620639	620640	620641
● Copper	600637	600638	600639	600640	600641

For soldering



UNIVERSAL GUTTER EXPANDER HALF ROUND

Nominal size	250-500
○ Other	940946

Comes in a 3m roll, works for half round gutters 250 - 500 Bead trim available separately



GUTTER EXPANDER - WITH COVER - HALF ROUND

Nominal size	250	280	333	400	500
● Zinc		620339	620340	620341	620342
● Copper	600338		600340	600341	
● Galvanised steel			500340		
● UGINOX Patina K41			541340	541341	541342
● Aluminium		840339	840340	840341	

Vulcanised on both sides



GUTTER EXPANDER - HALF ROUND

Nominal size	250	280	333	400	500
● Zinc	620332	620333	620334	620335	620336
● Copper		600333	600334	600335	

Vulcanised on one side



GUTTER EXPANDER - BOX SHAPE

Nominal size	250	333	400	500
● Zinc	620346	620348	620349	620350

Vulcanised on one side



TAPE EXPANDER

Nominal size	260 3000	390 3000	390 6000
● Zinc	620323	620328	620330
● Copper	600323	600328	600330

As a roll 3 or 6 metres in length, vulcanised on both sides



ADHESIVE GUTTER CONNECTOR

Nominal size	250	280	333	400
● Zinc	620266	620267	620268	620269
● Copper	600357	600358	600359	600360
● Aluminium	840855	840856	840857	840858

For connecting two gutters and repairing leaky seams or gutters



GUTTER CONNECTOR, HALF ROUND

Nominal size	250	280	333	400
● Zinc	620260	620261	620262	620263
● Copper	600260	600261	600262	

Does not replace gutter expander for motion compensation!



FASCIA BRACKET HALF ROUND

Nominal size	200	250	280	333	400
● Galvanised steel	500350	500351	500352	500353	500354



LEAF SIEVE

Nominal size	60	75-80	85-90	100	120	150
● Copper		601004		601006	601007	
● Galvanised steel	501003	501004		501006	501007	
● Stainless steel		540004	540005	540006	540007	540008



LEAF GUARD HALF ROUND

Nominal size	280	333
● Stainless steel	540466	540467

Length 2 m. For nose spring gutter hooks, fastening is done using the mounting clips from the pigeon guard product range

GRÖMO GUTTER OUTLETS AND HOPPERS, A USEFUL COMBINATION

GRÖMO gutter outlets are available for gutters from 200 to 500 mm and a drainpipe diameter of 50 to 150 mm. They can be combined with all drainpipes, allowing the greatest possible freedom of design.

GRÖMO also offers a large selection of hoppers: for pitched or flat roofs, for gutter or wall mounting, in classic form or as a design variant. We also manufacture hoppers by hand according to your requirements.



Plug-in gutter outlets	43
Diagonal gutter outlets	44
Oberstdorfer gutter outlets	45
Soldering gutter outlets	45
Outlets	47
Adjustable outlets	47
Gutter extensions	48
Hoppers	49
Hopper accessories	57

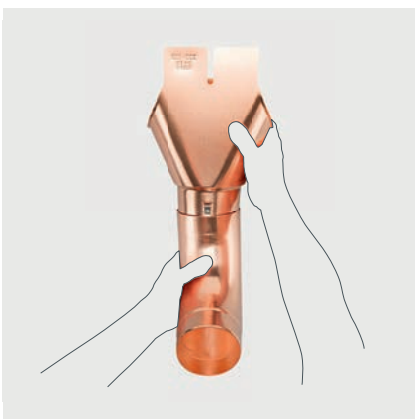


ORIGIN

* The GRÖMO gutter outlet, the original



Each elbow can be attached to the outlet quickly and easily. Without wires or rivets. Thanks to the new spring clip technology, simply turn the elbow in the desired direction and it will hold reliably in any position. The GRÖMO gutter outlet fits into all standard drainpipe systems and can be easily detached by turning it.



Spring clips replaces tool

Simply insert the elbow. The spring clip technology compensates for tolerances in the elbow diameter.



Turn and done – holds in place!

Without wires or rivets. Simply turn the elbow in the desired direction. Holds reliably in any position.



PLUG-IN GUTTER OUTLET OVAL - HALF ROUND GUTTER

Nominal size	200 60	250 60	250 76	250 80	280 76	280 80	280 87	280 100	333 76
● Zinc	620400 ²	620402 ²	620406 ²	620410 ²	620416 ²	620420 ²	620427 ²	620435 ²	620445 ²
● Quartz-Zinc				660410 ²		660420 ²			
● Anthra-Zinc				661412 ²		661420 ²			
● Copper	600400 ²	600402 ²	600406 ²	600410 ²	600416 ²	600420 ²	600427 ²	600435 ²	600445 ²
● Galvanised steel	500400 ²	500402 ²		500410 ²		500420 ²		500435 ²	
● Testa di Moro				530410 ²		530420 ²		530435 ²	
● UGINOX Patina K41				541410 ²		541411 ²		541435 ²	
● UGINOX Top 304				541412 ²		541420 ²		541436 ²	
● Aluminium	840400 ²	840402 ²	840406 ²	840410 ²		840420 ²	840427 ²	840435 ²	

FORTSETZUNG: PLUG-IN GUTTER OUTLET OVAL - HALF ROUND GUTTER

Nominal size	333 80	333 87	333 100	333 120	400 100	400 120	400 150	500 120	500 150
● Zinc	620446 ²	620448 ²	620450 ²	620462 ²	620470 ²	620472 ²	620473 ¹	620474 ¹	620475 ¹
● Quartz-Zinc	660446 ²		660450 ²			660472 ²			
● Anthra-Zinc			661450 ²						
● Copper	600446 ²	600448 ²	600450 ²	600462 ²	600470 ²	600472 ²	600473 ¹	600474 ¹	600475 ¹
● Galvanised steel	500446 ²		500450 ²	500462 ²	500470 ²	500472 ²	500473 ¹	500474 ¹	500475 ^{1*}
● Testa di Moro	530446 ²		530450 ²		530470 ²	530472 ²			
● UGINOX Patina K41	541446 ²		541449 ²	541461 ²		541471 ²			541475 ¹
● UGINOX Top 304	541447 ²		541450 ²	541462 ²		541472 ²			
● Aluminium	840446 ²	840448 ²	840450 ²	840462 ²	840470 ²	840472 ²	840474		840475 ¹

¹ Roll seam welded, with loop for hooking in

² Butt welded, with spring clip for easy mounting

* Discontinued item, available only while stocks last



PLUG-IN GUTTER OUTLET - ROUND - HALF ROUND GUTTER

Nominal size	280 80	333 100
● Zinc	620480	620482

Roll seam welded, with loop for hooking in



PLUG-IN GUTTER OUTLET - BOX SHAPE GUTTER - ROUND PIPE

Nominal size	200 60	250 76	250 80	280 80	280 87	333 100	400 120	500 150
● Zinc	620500	620506	620510	620520	620527	620550	620552	620554
● Quartz-Zinc	660500					660550		
● Copper	600500	600506	600510	600520	600527	600550	600552	600554
● Galvanised steel	500500 *		500510 *			500550 *	500552 *	
● UGINOX Patina K41			541510			541550	541552	
● Aluminium	840500		840510	840520		840550	840552	840554

Roll seam welded, with loop for hooking in

* Discontinued item, available only while stocks last



PLUG-IN GUTTER OUTLET - BOX-SHAPED GUTTER - BOX-SHAPED PIPE

Nominal size	250 80x80	333 80x80	333 100x100
● Zinc	620484	620485	620486
● Aluminium	840528	840529	840530

Soldered



DIAGONAL OUTLET FOR EAVES - HALF ROUND GUTTER

Nominal size	333 100
● Zinc	620608
● Aluminium	840477

Can be mounted on façade or eave side. For soldering or gluing. Use template for hole cut-out. Incl. bead trim



DIAGONAL OUTLET - CONICAL OUTLET - HALF ROUND GUTTER

Nominal size	280 118	333 139	400 169
● Zinc	620594	620596	620598
● Copper	600594	600596	600598
● UGINOX Patina K41		541596	

Angle of inclination 40°, with loop for hooking in, roll seam welded



DIAGONAL OUTLET - CYLINDRICAL OUTLET - HALF ROUND GUTTER

Nominal size	280 80	333 100
● Zinc	620584	620586
● Copper	600584	600586
● UGINOX Patina K41	541584	541586

Angle of inclination 40°, with loop for hooking in, roll seam welded



OBERSTDORFER GUTTER OUTLET - HALF ROUND GUTTER

Nominal size	333 139
● Zinc	620606
● Copper	600606

Angle of inclination 72°, roll seam welded



SOLDERING OUTLET - HALF ROUND GUTTER

Nominal size	200 50	200 60	250 76	280 76	280 80	280 87	333 100	400 120
● Zinc	620610	620611	620612	620613	620614	620615	620616	620617
● Copper	600610	600611	600612	600613	600614	600615	600616	600617

Angle of inclination adjustable

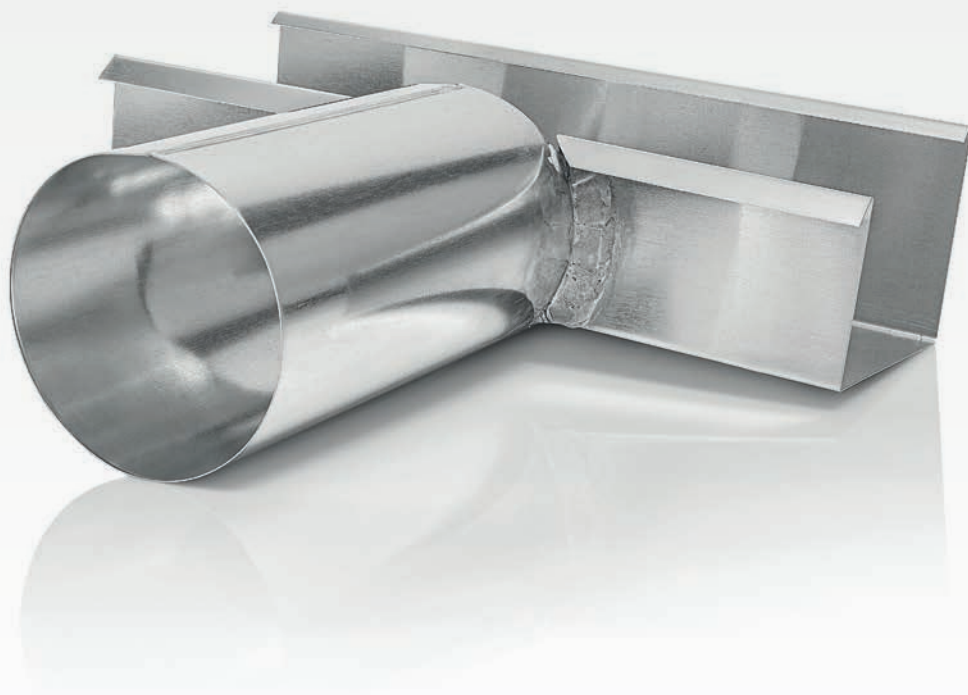


SOLDERING OUTLET SHORT - BOX SHAPE GUTTER

Nominal size	50	60	76	80	87	100	120
● Zinc	620619	620620	620621	620622	620623	620624	620625
● Copper	600619	600620	600621	600622	600623	600624	600625

MOUNTAINRIDGE

* The outlet spout for the cornice box gutter



With its extremely low installation height, the outlet spout fits over almost any cornice. The pipe diameter of 75 or 110 mm in conjunction with the maximum free pipe cross-section ensures excellent drainage values.

Effortless assembly

The connection piece is simply soldered in between two cornice gutters and the overlap of the gutter bevelling is concealed by the bead trim supplied.

The connection to the downpipe is ideally made with GRÖMO flat-roof branches for round or box-shaped downpipes. It is attached to the free end of the connecting pipe and connected to the downpipe. The distance from the wall can be individually adjusted by shortening the connecting pipe and thus adapted to the structural conditions.



SOLDERING OUTLET LONG - BOX SHAPE GUTTER

Nominal size	80	100
● Zinc	620628	620630



OUTLET SPOUT UNIVERSAL

Nominal size	80	100
● Zinc	620560	620562



OUTLET SPOUT FOR CORNICE BOX GUTTER

Nominal size	280 75	333 110
● Zinc	620916	620915
● Aluminium	840571	840572



ADJUSTABLE OUTLET - HALF ROUND GUTTER

Nominal size	333 100 500	333 100 750	333 100 1000	333 100 1250
● Zinc	620490 *	620491 *	620492 *	
● Copper	600490 *	600491 *	600492 *	600493 *
● Galvanised steel				500493 *

Can be adjusted, with ball joint

* Discontinued item, available only while stocks last



GUTTER EXTENSION BASIN SHAPE - HALF ROUND GUTTER



Nominal size	280 80	333 100	400 120
● Zinc	621680	621681	621682
● Copper	601680	601681	601682



GUTTER EXTENSION SEGMENTED - HALF ROUND GUTTER



Nominal size	280 80	333 100	400 120
● Zinc	621686	621687	621688
● Copper	601686	601687	601688



GUTTER EXTENSION INTERIOR CORNER SHAPE - HALF ROUND GUTTER



Nominal size	280 80	333 100	400 120
● Zinc	621683	621684	621685
● Copper	601683	601684	601685



FLAT ROOF HOPPER WITHOUT INFLOW

Nominal size	100
--------------	-----

● Zinc	621165
● UGINOX Patina K41	541165

Height: 280 mm, width: 240 mm, depth: 150 mm



SMALL FLAT-ROOF HOPPER WITH INFLOW

Nominal size	75 100	100 100	110 100
● Zinc	621166	621167	621168
● UGINOX Patina K41	541166	541167	541168

Includes pre-mounted inflow seal
Height: 280 mm, width: 240 mm, depth: 150 mm



FLAT ROOF HOPPER, CUBIC WITH INFLOW

Nominal size	75 100	100 100	110 100
● Zinc	621170	621171	621172
● UGINOX Patina K41	541170	541171	541172

Includes pre-mounted inflow seal
Height: 200 mm, width: 200 mm, depth: 200 mm



FLAT ROOF HOPPER, CUBIC WITHOUT INFLOW

Nominal size	80	100
● Zinc	621174	621173
● Anthra-Zinc	661172	661174
● Aluminium	841178	841179

Height: 200 mm, width: 200 mm, depth: 200 mm

PLATEAU

* The GRÖMO flat-roof hoppers



The pre-punched inflow opening (NG 75/NG 100/NG 110) and the pre-assembled seal ensure easy installation. Where previously the hoppers had to be laboriously cut out and adapted, they can now be easily inserted through the prepared inflow opening on the pipe and mounted directly on the wall. What's more, the flat-roof hoppers feature aesthetic shapes, created for today's modern architecture.



Open for quick assembly

Pre-punched inflow opening and pre-assembled seal make it easy: Simply place the hopper on the inlet pipe and it stays in place.



On the wall and ready to go

The hopper can be mounted directly on the wall after levelling.



FLAT ROOF HOPPER WITHOUT INFLOW

Nominal size	100
● Zinc	621196
● Copper	601196
● UGINOX Patina K41	541196
● Aluminium	841165

Height: 390 mm, width: 242 mm, depth: 150 mm



FLAT ROOF HOPPER WITH INFLOW

Nominal size	75 100	100 100	110 100
● Zinc	621197	621198	621199

Includes pre-mounted inflow seal

Height: 390 mm, width: 242 mm, depth: 150 mm



FLAT ROOF HOPPER, HALF ROUND WITHOUT INFLOW

Nominal size	80	100
● Zinc	621207	621208
● Quartz-Zinc	660197	660198
● Anthra-Zinc	661187	661188
● Aluminium	840617	840618

Height: 185 mm, width: 180 mm, depth: 160 mm

WATERFALL

* The design flat-roof hopper



Design line

Three identical hoppers for attic drainage in different dimensions – the series of design flat-roof hoppers ensures uniform and visually appealing drainage of all parts of a house. The differently sized hoppers allow the same design to be installed in a scaled size on the roof, garage, annex or balcony.

Reliable emergency overflow

The emergency overflow on the design flat-roof hopper is already designed with cleverly positioned drainage slots. Individual, structural conditions can nevertheless be taken into account, as the position of the inlet can be specified within a defined area.

Guaranteed splash protection

Equipped with an integrated splash guard, the design flat-roof hopper virtually eliminates unplanned water leakage from the drainage slots, even in heavy rain.



DESIGN FLAT-ROOF HOPPER



Nominal size	76	80	87	100	120
● Zinc	620910	620911	620912	620913	620914
● Galvanised steel		500981		500983	500984
● UGINOX Patina K41		541711		541712	541713
● Aluminium		840726		840727	840728

Nominal size 76-80: Height: 210 mm, width: 210 mm, depth: 140 mm
 Nominal size 87 -100: Height: 300 mm, width: 300 mm, depth: 160 mm
 Nominal size 120: Height: 360 mm, width: 360 mm, depth: 180 mm



DESIGN HOPPER



Nominal size	80	87	100	120
● Zinc	621086	621087	621088	621089
● Quartz-Zinc	660986		660988	660989
● Anthra-Zinc	661986		661988	661989
● Copper	601186	601187	601188	601189
● Galvanised steel	500986		500988	500989
● UGINOX Patina K41			541988	541989
● Aluminium	840986	840987	840988	840989

Gutter connection, nominal size 200 - 400. With spring clip for easy mounting. Other surface variants upon request
 Height: 337 mm, width: 240 mm, depth: 240 mm. Dimensions may vary slightly depending on the nominal size. Please see technical data sheets at www.groemo.com for detailed dimensions



DESIGN HOPPER, ECCENTRIC



Nominal size	80	100	120
● Zinc	621186	621188	621189
● Quartz-Zinc	660186	660188	660189
● Copper	601174	601176	601177
● Galvanised steel	500186	500188	500189
● UGINOX Patina K41	541186	541188	541189
● Aluminium	840186	840188	840189

Height: 333 mm, width: 240 mm, depth: 240 mm



HOPPER, CUBIC

Nominal size	80	87	100	120	150
● Zinc	621178 ²	621179 ²	621180 ²	621181 ²	620724 ¹
● Quartz-Zinc	660178 ²		660180 ²	660181 ²	
● Copper	601178 ²	601179 ²	601180 ²	601181 ²	600724 ¹
● Galvanised steel	500178 ²		500180 ²	500181 ²	500724 ¹
● UGINOX Patina K41	541178 ²		541180 ²	541181 ²	
● Aluminium	840178 ²	840179 ²	840180 ²	840181 ²	840724 ¹

¹ Folded

² With spring clip for easy installation

Height: 288 mm, width: 240 mm, depth: 240 mm. Dimensions may vary slightly depending on the nominal size. Please see technical data sheets at www.groemo.com for detailed dimensions



HOPPER, CUBIC ECCENTRIC

Nominal size	80	100	120
● Zinc	621182	621184	621185
● Quartz-Zinc	660182	660184	660185
● Copper	601182	601184	601185
● Galvanised steel	500182	500184	500185
● UGINOX Patina K41	541182	541184	541185
● Aluminium	840182	840184	840185

Height: 283 mm, width: 240 mm, depth: 240 mm



HOPPER, CUBIC ECCENTRIC WITH OVERFLOW PIPE

Nominal size	80	100	120
● Zinc	620732	620733	620734
● Copper	600732	600733	600734
● Galvanised steel	501691	501701	501702
● UGINOX Patina K41	541732	541733	541734
● Aluminium	840732	840733	840734

Height: 283 mm, width: 240 mm, depth: 240 mm



HOPPER, SQUARE



Nominal size	76	80	87	100	120	150
● Zinc	621689	621690	621691	621692	621693	621694
● Copper	601689	601690	601691	601692	601693	601694

Also available with overflow/without star upon request
 Nominal size 76-120: Height: 370 mm, width: 250 mm, depth: 250 mm
 Nominal size 150: Height: 450 mm, width: 300 mm, depth: 300 mm



HOPPER, LONG

Nominal size	76	80	87	100	120
● Zinc	621016	621015	621017	621018	621019
● Quartz-Zinc				661017	661019
● Copper	601016	601015	601017	601018	601019
● UGINOX Patina K41		541015		541018	541019

Gutter connection, nominal size 200-400
 Nominal size 76 -87: Height: 345 mm, width: 200 mm, depth: 200 mm
 Nominal size 100 -120: Height: 395 mm, width: 220 mm, depth: 220 mm



HOPPER, STABILISED



Nominal size	76	80	87	100	120
● Zinc	620727	620728	620729	620730	620731
● Copper	600727	600728	600729	600730	600731

Gutter connection, nominal size 200 - 400. Also available with overflow/without star upon request
 Height: 360 mm, width: 250 mm, depth: 250 mm



HOPPER, CONICAL



Nominal size	80	87	100	120
● Zinc	621500	621501	621502	621503
● Copper	601500	601501	601502	601503

Gutter connection, nominal size 200 - 400. Also available with overflow/without star upon request
 Height: 350 mm, width: 320 mm, depth: 270 mm



HOPPER, CONICAL SMALL

Nominal size	76	80	87	100
● Zinc	621005	621006	621007	621008

Height: 317 mm, width: 230 mm, depth: 185 mm. Dimensions may vary slightly depending on the nominal size. Please see technical data sheets at www.groemo.com for detailed dimensions



HOPPER, HEXAGONAL



Nominal size	100	120
● Zinc	621986	621987
● Copper	601986	601987

Gutter connection, nominal size 200 - 333. Also available with overflow upon request
Height: 310 mm, width: 325 mm, depth: 290 mm



HOPPER, INTERIOR CORNER



Nominal size	100	120
● Zinc	621984	621985
● Copper	601984	601985

Gutter connection, nominal size 200 - 400. Also available with overflow/with star by request
Height: 370 mm, width: 340 mm, depth: 260 mm



HOPPER FLUSH - LONG



Nominal size	76	80	87	100	120
● Zinc	621201	621202	621203	621204	621205

Gutter connection, nominal size 200-400
Nominal size 76 -87: Height: 345 mm, width: 200 mm, depth: 200 mm
Nominal size 100 -120: Height: 395 mm, width: 220 mm, depth: 220 mm



HOPPER, FLUSH - ANGULAR WITH OVERFLOW



Nominal size	76	80	87	100
● Zinc	621980	621981	621982	621983
● Copper	601980	601981	601982	601983

Gutter connection, nominal size 200 - 333. Also available without overflow upon request
Height: 330 mm, width: 300 mm, depth: 200 mm



HOPPER FLUSH - HALF ROUND



Nominal size	76	80	87	100
● Zinc	621844	621845	621846	621847
● Copper	601844	601845	601846	601847

Also available with overflow upon request
Height: 290 mm, width: 320 mm, depth: 220 mm



HOPPER, FUNNEL SHAPE CYLINDRICAL



Nominal size	100
● Zinc	621843

Gutter connection, nominal size 200 - 400. Also available with overflow upon request
Height: 313 mm, width: 250 mm, depth: 250 mm. Dimensions may vary slightly depending on the nominal size. Please see technical data sheets at www.groemo.com for detailed dimensions



WATERTIGHT INFLOW FOR HOPPER

Nominal size	75	110
● Zinc	620757	620758

Includes pre-mounted inflow seal



TPE SEAL

Nominal size	
○ Other	940945

Seal 3 m length, for installation in hoppers, for safe drainage of rainwater in attic seals

ELBOWS BRING THE PIPE TO THE HOUSE

The GRÖMO elbow range has a suitable variant for every roof overhang. GRÖMO elbows are available in degrees of 40°, 60°, 72°, 85° and 87° and with overhangs of 300 to 1850 mm.

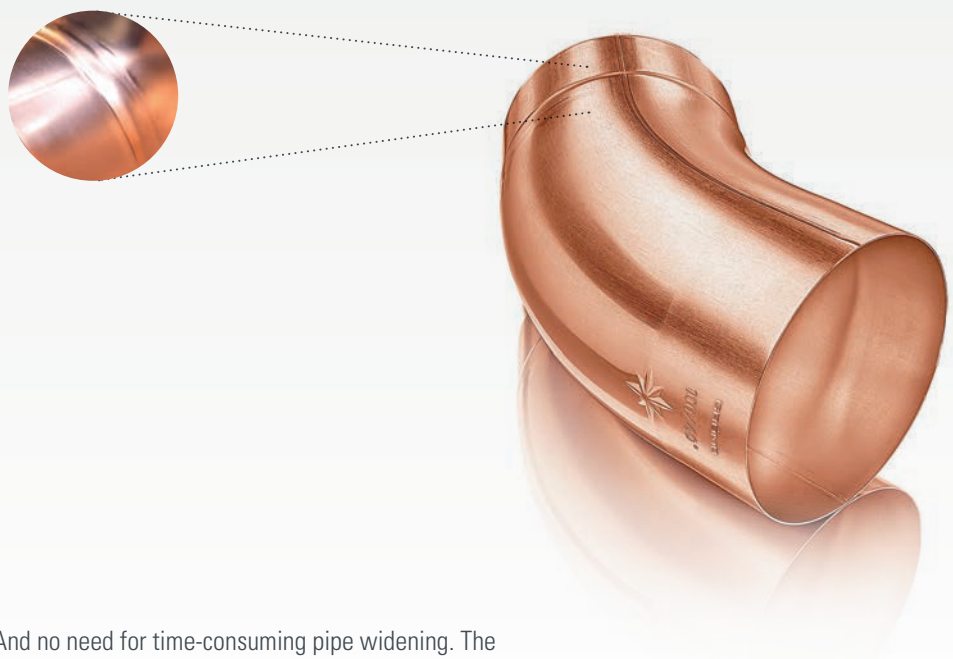


Pipe elbows.....	61
Swan necks.....	63
Articulated elbows.....	63

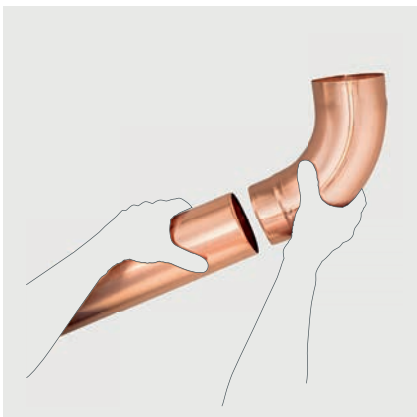


CIRCULATION

* The conical GRÖMO pipe elbow

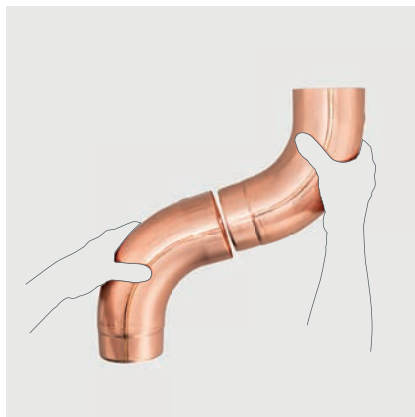


The indent makes the difference. And no need for time-consuming pipe widening. The GRÖMO elbow can be easily inserted into any cut pipe with or without a sleeve. It couldn't be more flexible. And the plug connection is secure.



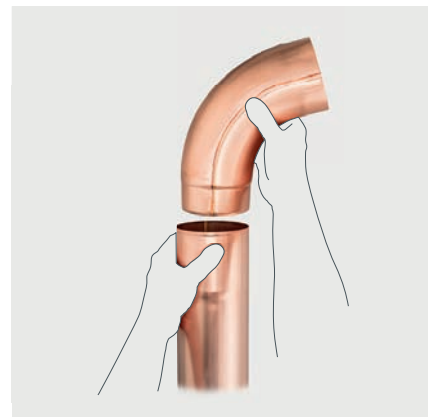
Quickly plugged in thanks to indent

Without expanding! Simply insert the pipe elbow with indent into the cut-to-length pipe – and you're done.



Always fits...

elbow to elbow...



... and everywhere

... and elbow to pipe with sleeve.



PIPE ELBOW 40°

Nominal size	60	76	80	87	100	120
● Zinc	620006 ³	620009 ¹	620010 ¹	620017 ¹	620020 ¹	620022 ¹
● Quartz-Zinc			660010 ¹		660020 ¹	660022 ¹
● Anthra-Zinc			661010 ¹		661020 ¹	
● Copper	600006 ³	600009 ¹	600010 ¹	600017 ¹	600020 ¹	600022 ¹
● Galvanised steel			500010 ¹		500020 ¹	500022 ¹
● Testa di Moro			530010 ¹		530020 ¹	530022 ¹
● UGINOX Patina K41	541006 ³		541010 ³		541020 ³	541022 ³
● UGINOX Top 304			544010 ²		541021 ²	
● Aluminium	840006 ³		840010 ¹	840017 ¹	840020 ¹	840022 ¹

¹ Butt-welded with indent

² Butt-welded, without indent

³ Roll seam welded, without indent



PIPE ELBOW 60°

Nominal size	50	60	76	80	87	100	120
● Zinc	620023 ²	620024 ²	620026 ¹	620028 ¹	620027 ¹	620030 ¹	620032 ¹
● Quartz-Zinc				660028 ¹		660030 ¹	
● Anthra-Zinc				661029 ¹		661030 ¹	

¹ Butt-welded with indent

² Roll seam welded, without indent



PIPE ELBOW 72°

Nominal size	50	60	75	76	80	87	100	120	150
● Zinc	620050 ³	620060 ³	620075 ²	620076 ¹	620080 ¹	620087 ¹	620100 ¹	620120 ¹	620150 ³
● Quartz-Zinc		660060 ³	660075 ²		660080 ¹		660100 ¹	660120 ¹	
● Anthra-Zinc		661060 ³	661075 ²		661080 ¹		661100 ¹	661101 ¹	
● Copper	600050 ³	600060 ³	600075 ²	600076 ¹	600080 ¹	600087 ¹	600100 ¹	600120 ¹	600150 ³
● Galvanised steel		500060 ³	500075 ²		500080 ¹		500100 ¹	500120 ¹	500150 ³
● Testa di Moro		530060 ³			530080 ¹		530100 ¹	530120 ¹	
● UGINOX Patina K41		541060 ³	541075 ³		541076 ³		541090 ³	541102 ³	541150 ³
● UGINOX Top 304					541080 ²		541100 ²	541120 ²	
● Aluminium		840060 ³		840076 ¹	840080 ¹	840087 ¹	840100 ¹	840120 ¹	840150 ³

¹ Butt-welded with indent

² Butt-welded, without indent

³ Roll seam welded, without indent



PIPE ELBOW 72° WITH BEAD

Nominal size	80	87	100
● Zinc	620082	620089	620102
● Copper		600089	600102



PIPE ELBOW 85°

Nominal size	60	75	76	80	87	100	120
● Zinc	621323 ³	620205 ²	620206 ¹	620207 ¹	620209 ¹	620210 ¹	620211 ¹
● Quartz-Zinc		660205 ²		660207 ¹		660210 ¹	
● Anthra-Zinc				661207 ¹		661210 ¹	
● Copper	601656 ³	600205 ²	600206 ¹	600207 ¹	600209 ¹	600210 ¹	601660 ¹
● Galvanised steel	500202 ³	500205 ²		500207 ¹		500210 ¹	
● Testa di Moro				530207 ¹		530210 ¹	
● UGINOX Patina K41	541201 ³	541205 ³		541207 ³		541210 ³	
● Aluminium	840202 ³		840206 ¹	840207 ¹		840210 ¹	

¹ Butt-welded with indent

² Butt-welded, without indent

³ Roll seam welded, without indent



PIPE CORNER ELBOW 87°

Nominal size	60	76	80	87	100	120
● Zinc	620215	620216	620217	620218	620219	620220
● Copper	600215	600216	600217	600218	600219	600220
● Aluminium			840392		840394	840395

Soldered



SQUARE PIPE ELBOW 72°

Nominal size	80 80	100 100
● Zinc	620160	620161
● Quartz-Zinc	660160	660161
● Anthra-Zinc	661382	661383
● Copper	600160	600161
● Galvanised steel	500160 ²	500161 ²
● Aluminium	840084 ¹	840104 ¹

¹ Material thickness 0.6 mm due to production

² Material thickness 0.5 mm due to manufacturing process



SWAN NECK

Nominal size	76	80	87	100	120
● Zinc	620276	620280	620287	620295 ¹	620297
● Quartz-Zinc		660280		660295 ¹	660297
● Anthra-Zinc		661280		661295 ¹	
● Copper	600276	600280	600287	600295 ¹	600297
● Galvanised steel		500280		500295	500297
● Testa di Moro		530280		530295	530297
● UGINOX Patina K41		541280		541295	541297
● Aluminium	840276	840280	840287	840295	840297

¹ Butt welded



ARTICULATED ELBOW Ø 100 SOLDERED



Nominal size	400-495	500-595	600-695	700-795	800-895	900-995	1000-1095	1100-1195	1200-1295
● Zinc	620536	620537	620538	620539	620540	620541	620542	620543	620544
● Copper	600536	600537	600538	600539	600540	600541	600542	600543	600544

FORTSETZUNG: ARTICULATED ELBOW Ø 100 SOLDERED

Nominal size	1300-1395	1400-1495	1500-1595	1600-1695
● Zinc	620545	620546	620547	620548
● Copper	600545	600546	600547	600548

On request also available in ø76, ø80, ø87, ø120 mm and other materials, from nominal size 1000 mm 2-piece



ARTICULATED ELBOW Ø 100 PRESSED



Nominal size	400-495	500-595	600-695	700-795	800-895	900-995	1000-1095	1100-1195	1200-1295
● Zinc	620186	620187	620188	620189	620190	620191	620192	620193	620194
● Copper	600186	600187	600188	600189	600190	600191	600192	600193	600194

FORTSETZUNG: ARTICULATED ELBOW Ø 100 PRESSED

Nominal size	1300-1395	1400-1495	1500-1595	1600-1695
● Zinc	620195	620196	620197	620198
● Copper	600195	600196	600197	600198

On request also available in ø76, ø80, ø87, ø120 mm and other materials, from nominal size 1300 mm 2-piece

PIPE ACCESSORIES FROM GRÖMO – YOU CAN'T GO WITHOUT

GRÖMO pipe accessories support tinsmiths and roofers in the installation of downpipes and their transitions in many areas of application. Available in diameters from 50 to 150 mm and in accordance with DIN EN 612. The range also offers convenient solutions for water collection and leaf protection.



Rainwater pipe flaps.....	66
Water collectors	69
Rain barrel.....	71
Water distributors.....	71
Leaf catchers.....	71
Leaf traps	72
Odour traps	72
Flat-roof branches	72
Pipe branches.....	74
Adapter cones	76
Reducers	76
Sliding sleeves	76
Connection sleeves	77
Standpipe caps	78
Pipe brackets.....	81
Pipe bracket mountings	83
Beads / Halfbeads	85
Downpipe stopgaps	85
LED downpipe lighting.....	90





RAINWATER PIPE FLAP WITH STAINLESS STEEL SIEVE

Nominal size	76	80	87	100	120
● Zinc	621525	621526	621527	621528	621529
● Quartz-Zinc		660526		660528	
● Anthra-Zinc		661526		661528	
● Copper	601525	601526	601527	601528	601529
● Galvanised steel		500526		500528	500529
● UGINOX Patina K41		541525		541527	541529
● UGINOX Top 304		541526		541528	
● Aluminium		841526	841527	841528	841529

Regularly clean sieve and remove in winter due to risk of frost!

SPARE PART: SIEVE

Nominal size	76 80	87	100	120
● Stainless steel	980220	980221	980222	980223



RAINWATER PIPE FLAP

Nominal size	60	76	80	87	100	120
● Zinc	621534	621535	621530	621531	621532	621533
● Copper	601534	601535	601530	601531	601532	601533
● Galvanised steel			500530		500532	500533
● Testa di Moro			530530		530532	530533
● UGINOX Patina K41			541530		541532	541533
● Aluminium		841535	841530	841531	841532	841533



RAINWATER PIPE FLAP BALL - AUTOMATIC



Nominal size	76	80	87	100	120
● Zinc	620855	620856	620857	620858	620859
● Copper	600855	600856	600857	600858	600859

SPARE PART: BALL WITH CORD

Nominal size	
● Stainless steel	980940



RAINWATER PIPE FLAP BOX SHAPE

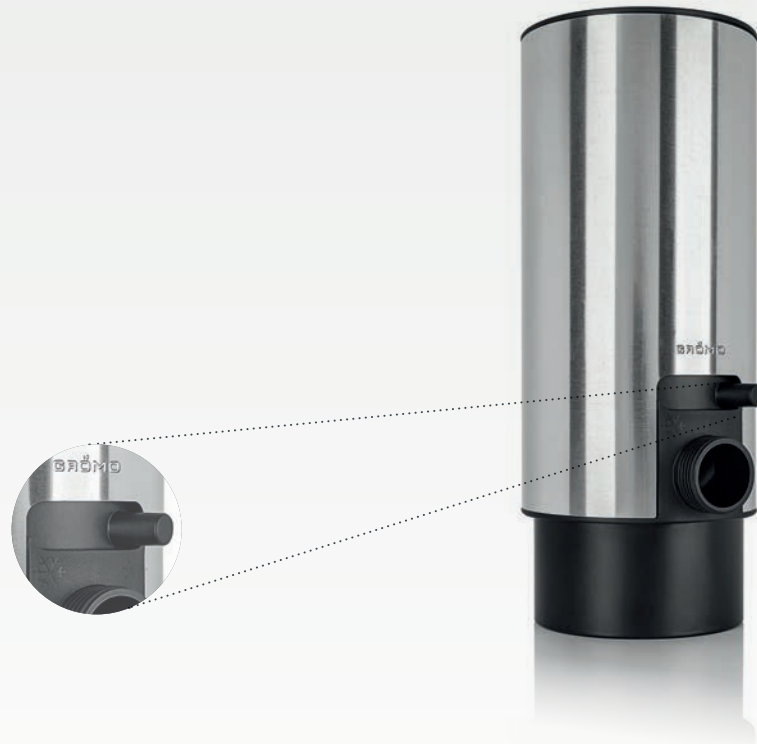
Nominal size	80 80	100 100
● Zinc	620823	620824

Clean sieve regularly!

WATER SOURCE



* The design water collector



The design water collector is discreetly integrated into the downpipe. A spiral screw inside ensures a small reduction in the cross-section of the downpipe and therefore scores with a particularly high yield. A connecting hose between the water collector and the rain barrel enables the water level in the barrel to be regulated. This means that the rain barrel fills up to the desired water level and drains excess water directly into the sewage system. All materials are frost-proof. The design water collector is set to winter mode using a slider.



Design line



High yield

The spiral screw collects the rainwater. The connected hose directs it into the barrel



Frost-proof through the winter

Simply close the slider and empty the rain barrel



DESIGN WATER COLLECTOR



Nominal size	80	87	100
Zinc	620686	620687	620685
Quartz-Zinc	660683		660685
Anthra-Zinc	661683		661685
Copper	600686	600687	600685
UGINOX Patina K41	541682		541685
Aluminium	841680	841682	841685

Incl. hose set, consisting of 1" hose with a length of 33 cm and barrel connector

SPARE PART: HOSE WITH CONNECTORS FOR DESIGN WATER COLLECTOR

Nominal size	80-100
Other	980943

SPARE PART: SEALING CAP

Nominal size	1"
Other	980944



WATER COLLECTOR

Nominal size	76	80	87	100	120
● Zinc	620675	620676	620677	620678	620679
● Copper	600675	600676	600677	600678	600679
● UGINOX Patina K41				541678	
● Aluminium		840676	840677	840678	840679

Including hose set consisting of 1" hose (for NG 76-100: Length 33 cm / for NG 120: Length 24 cm) and barrel connector

SPARE PART: HOSE WITH CONNECTORS

Nominal size	76-120
○ Other	980942

SPARE PART: CAP WITH CHAIN

Nominal size	76-120
○ Other	980941

SPARE PART: SLIDING SLEEVE

Nominal size	76	80	87	100	120
● Zinc	980833	980834	980835	980836	980837
● Copper	980909	980910	980911	980912	980913
● UGINOX Patina K41				541683	
● Aluminium		980685	980686	980687	980688

SPARE PART: SEALING CAP

Nominal size	76-120
○ Other	980939

Suitable for aluminium water collectors



HOSE FOR WATER COLLECTOR

Nominal size	1"
○ Other	500948

In a roll with a length of 5 metres. Suitable for all water collectors with 1" hose



WATER DISTRIBUTOR



Nominal size	76	80	87	100	120
● Zinc	621091	621092	621093	621094	621095
● Copper	601091	601092	601093	601094	601095
● Galvanised steel		501092		501094	501095

With reversible turning handle that can be used on either side of the outlet, left or right



LEAF CATCHER



Nominal size	76	80	87	100
● Zinc	620794	620795	620796	620797
● Copper	600794	600795	600796	600797

Clean leaf catcher regularly. Remove basket in winter due to risk of frost!

SPARE PART: LEAF GUARD

Nominal size	76	80	87	100
● Zinc	980877	980878	980879	980880
● Copper	980777	980778	980779	980780



LEAF TRAP



Nominal size	80	87	100	120
● Zinc	621670	621671	621672	621673
● Copper	601670	601671	601672	601673

Clean leaf trap regularly. Remove sieve in winter due to risk of frost!



ODOUR TRAP

Nominal size	100
● Zinc	540204
● Quartz-Zinc	540208
● Copper	540202
● Stainless steel	540200

Made of stainless steel 1.4301. Coating with material ordered accordingly. Odour-blocking and rodent-proof. For retrofitting when it is no longer possible to install an odour trap at frost depth. Non-compliant according to DIN 1986-100:2016-12



FLAT-ROOF BRANCH

Nominal size	75 80	75 100	90 100	110 100	110 120
● Zinc	621240 ¹	621241 ¹	621242	621244 ¹	621243 ¹
● Quartz-Zinc	660820 ²	660821 ²		660822 ²	660823 ²
● Anthra-Zinc	661180 ²			661184 ²	
● UGINOX Patina K41	541240 ¹	541241 ¹			541243 ¹
● Aluminium	840240 ¹	840241 ¹	840242	840244 ¹	840243 ¹

¹ Includes pre-mounted inflow seal

² Includes pre-mounted inflow seal. Inflow pipe made of zinc depending on production

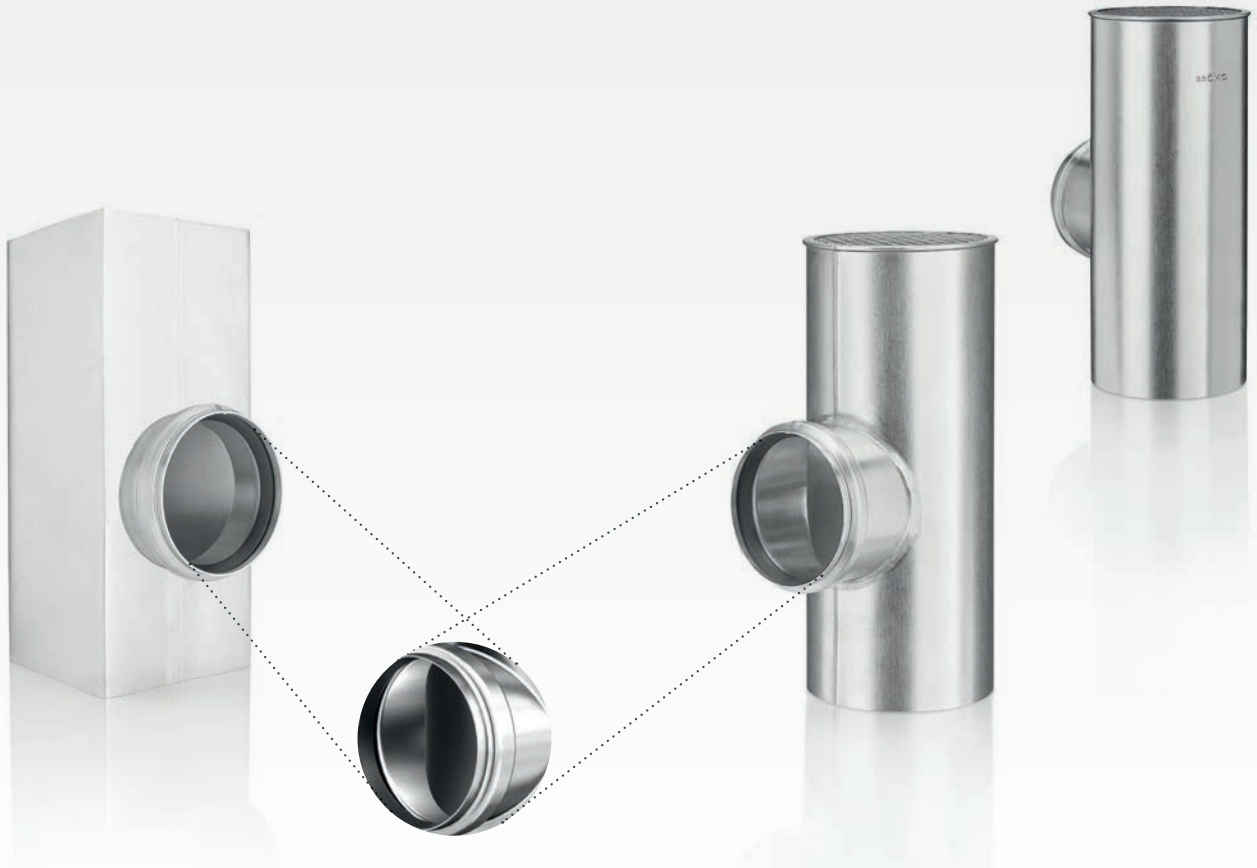
SPARE PART: LIP SEAL RING

Nominal size	75	110
○ Other	980949	980950

Suitable for all flat roof branches except UGINOX Patina K41

FLOW DIVERTER

* The GRÖMO flat-roof branches



The GRÖMO flat-roof branches ensure discreet drainage on building façades. Round, square or universal, the branches can be easily combined with all common flat roof drainage systems and creates beautiful accents within the design of the exterior façade.

The pre-mounted gasket guarantees that the attic drainpipe is connected securely. In heavy rain, the perforated plate ensures sufficient ventilation of the downpipe and prevents leaves from entering.



FLAT-ROOF BRANCH BOX-SHAPED

Nominal size	75 80x80	75 100x100	110 100x100
● Zinc		621336	621338
● Aluminium	840234	840236	840238

Includes pre-mounted inflow seal

SPARE PART: LIP SEAL RING

Nominal size	75	110
○ Other	980949	980950

For flat-roof branches in zinc, pre-weathered quartz zinc, aluminium



BALCONY BRANCH 87.5° BOX-SHAPED

Nominal size	75 80x80	75 100x100
● Aluminium	840235	840237

Includes pre-mounted inflow seal

SPARE PART: LIP SEAL RING

Nominal size	75
○ Other	980949

Suitable for all flat roof branches except UGINOX Patina K41



DOWNPIPE BRANCH 60°



Nominal size	50 50	60 60	76 60	76 76	80 60	80 80	87 60	87 76	87 80
● Zinc	620943	620944	620945	621033	620947	620948	620987	620977	620978

FORTSETZUNG: DOWNPIPE BRANCH 60°

Nominal size	87 87	100 60	100 76	100 80	100 87	100 100	120 100	120 120
● Zinc	620979	620980	620981	620982	620983	620984	620985	620986

Also available with other bracket, diameter, double branch, or Y-branch upon request



DOWNPIPE BRANCH 72°



Nominal size	50 50	60 60	76 60	76 76	80 60	80 80	87 60	87 76	87 80
● Zinc	620949 ¹	621022 ¹	620951 ¹	621021 ¹	620955 ¹	621023 ¹	621027 ¹	620957 ¹	621025 ¹
● Anthra-Zinc						661088 ¹			
● Copper	600949 ¹	600950 ¹	600951 ¹	601021 ¹	600955 ¹	601023 ¹	601027 ¹	601024 ¹	601025 ¹
● Galvanised steel						500023 ¹			
● Aluminium		840962 ¹	840963 ¹	840964 ¹	840965 ¹	840966 ¹	840977 ¹	840967 ¹	840968 ¹

FORTSETZUNG: DOWNPIPE BRANCH 72°

Nominal size	87 87	100 60	100 76	100 80	100 87	100 100	120 100	120 120
● Zinc	621024 ¹	620970 ¹	620971 ¹	620972 ¹	620973 ¹	620974 ¹	620975 ¹	620976 ¹
● Anthra-Zinc				661972 ¹		661089 ¹		
● Copper	601026 ¹	600970 ¹	600971 ¹	600972 ¹	600973 ¹	600974 ¹	600975 ¹	600976 ¹
● Galvanised steel		500970		500972 ¹		500974 ¹	500975 ¹	500976 ¹
● Aluminium	840969 ¹	840970 ¹	840971 ¹	840972 ¹	840973 ¹	840974 ¹	840975 ¹	840976 ¹

¹ Also available with other bracket, diameter, double branch, or Y-branch upon request



ADAPTER CONE - UNIVERSAL

Nominal size	100 60
● Zinc	620825
● Copper	600825

Adjust by cutting to ø76, ø80, ø87



REDUCER

Nominal size	76 60	80 60	87 76	100 76	100 80	100 87	120 100	150 100	150 120
● Zinc	620690 ¹	620688 ²	620691 ²	620695 ²	620689 ²	620692 ²	620693 ²	620696 ²	620694 ¹
● Copper	600690 ¹	600688 ²	600691 ²	600695 ²	600689 ²	600692 ²	600693 ²	600696 ²	600694 ¹
● Aluminium		840690 ²			840691 ²		840692 ²		

¹ Soldered

² Deep-drawn



SLIDING SLEEVE

Nominal size	80	100
● Zinc	620798	620799
● Copper	600798	600799
● Aluminium	840798	840799



SLIDING SLEEVE WITH STANDPIPE CAP

Nominal size	76	80	87	100	120
● Zinc	620735	620736	620737	620738	620739
● Copper	600735	600736	600737	600738	600739

With standpipe cap, flat



CONNECTION SLEEVE (PIPE CONNECTOR)

Nominal size	50	60	76	80	87	100	120
● Zinc	620746	620740	620741	620742	620743	620744	620745
● Anthra-Zinc				661742		661744	
● Copper		600740	600741	600742	600743	600744	600745
● Galvanised steel				500742		500744	500745
● Aluminium		840740	840741	840742	840743	840744	840745



CONNECTION SLEEVE WITH SEAL (PIPE CONNECTOR)

Nominal size	75	75 76	75 80	110	110 100
● Zinc	620754	620768	620769	620755	620756
● Aluminium			841195		841198

Includes pre-mounted inflow seal

SPARE PART: LIP SEAL RING

Nominal size	75
○ Other	980949

Suitable for all flat roof branches except UGINOX Patina K41



CONNECTION SLEEVE (PIPE CONNECTOR) SQUARE SHAPE

Nominal size	80 80	100 100
● Zinc	620747	620748



STANDPIPE CAP FLAT

Nominal size	60 116	76 85	76 116	76 150	80 116	80 150	87 116	87 150	100 116
● Zinc	620700	620699	620701	620710	620702	620711	620703	620712	620704
● Anthra-Zinc					661702				661704
● Copper	600700	600699	600701	600710	600702	600711	600703	600712	600704
● UGINOX Patina K41					541701				541703
● UGINOX Top 304					541702				541704
● Aluminium					840830				840846

FORTSETZUNG: STANDPIPE CAP FLAT

Nominal size	100 150	120 140	120 150	120 180	150 180
● Zinc	620713	620705	620706	620714	620715
● Anthra-Zinc					
● Copper	600713	600705	600706	600714	600715
● UGINOX Patina K41					
● UGINOX Top 304					
● Aluminium	840848		840850		



STANDPIPE CAP HIGH

Nominal size	76 120	80 100	80 120	80 150	87 116	87 120	100 120	100 150	120 150
● Zinc	620828	620829	620830			620838	620846	620848	620850
● Quartz-Zinc			660830				660846		
● Copper	600828		600830	600832		600838	600846	600848	600850
● Galvanised steel			500830	500832			500846	500848	500850
● Testa di Moro			530830				530846	530848	530850
● Stainless steel			540830				540846		
● UGINOX Patina K41			541830				541846		541850
● Aluminium				840832	840838				

FORTSETZUNG: STANDPIPE CAP HIGH

Nominal size	120 180
● Zinc	620852
● Quartz-Zinc	
● Copper	600852
● Galvanised steel	500852
● Testa di Moro	530852
● Stainless steel	
● UGINOX Patina K41	
● Aluminium	



STANDPIPE CAP HIGH, CLOSED

Nominal size	120
● Zinc	620716

NATURAL BEAUTY



* The design downpipe bracket



The attractive appearance of the design downpipe bracket made of brushed stainless steel sets it apart from conventional pipe brackets. A concealed screw integrated into the bracket enables the downpipe to be fastened quickly and reliably. The fitted rubber profile compensates for tolerances in the downpipe, prevents scratches and also serves as sound insulation against dripping and flowing noises. The U-shaped geometry gives the bracket a high level of stability.



Design line



Individually adjustable fastener

Tighten the concealed screw until the clamp fixes the downpipe in place.



Quick attachment

Thanks to the M10 threaded nut, the clamp is quickly attached to the wall and precisely adjusted.



DESIGN DOWNPIPE BRACKET



Nominal size 100

Stainless steel 540281

SPARE PART: SCREW WITH LOCK WASHER

Nominal size 100

Stainless steel 980330



DOWNPIPE BRACKET WITH THREADED NUT M10 / M8

Nominal size	50	60	76	80	87	100	120	150
Copper		600223 ²	600224 ²	600225 ²	600226 ²	600227 ²	600228 ²	600229 ²
Galvanised steel	500222 ²	500223 ²	500224 ²	500225 ²	500226 ²	500227 ²	500228 ²	500229 ²
Aluminium		840224 ¹		840225 ¹		840226 ¹	840227 ¹	

¹ Only with M10 thread. For connecting to SPI dowel, hanger bolt, or thermo stop

² For connecting to SPI dowel, hanger bolt, or thermo stop. Threaded nut made of galvanised steel for copper design, aluminium or galvanised steel for galvanised steel design.



DOWNPIPE BRACKET WITH 140 MM STRIKER PIN

Nominal size	50	60	76	80	87	100	120	150
Copper		600243	600244	600245	600246	600247	600248	600249
Galvanised steel	500242	500243	500244	500245	500246	500247	500248	500249



DOWNPIPE BRACKET WITH 200 MM STRIKER PIN

Nominal size	76	80	87	100	120
Galvanised steel	500264	500265	500266	500267	500268



DOWNPIPE BRACKET SQUARE WITH THREADED NUT M10

Nominal size	60x60	80x80	100x100	120x120
Galvanised steel	501223	501225	501227	501228

For connecting to SPI dowel, hanger bolt, or thermo stop. Threaded nut, galvanised

SPECIAL EQUIPMENT

The Thermo Stop



Triply effective and – thanks to very quick and easy installation – particularly efficient. The thermo stop ensures thermal separation between the hanger bolt anchored in the supporting structure and the pipe bracket. By effectively reducing the flow of cold and heat, costly damage to buildings can be effectively prevented. The high-quality sealing ring creates a rainproof and elegant connection to the EWIS façade surface. The thermo stop is mainly used for mounting pipe brackets that can be precisely adjusted with the M10 threaded stud included and mounted quickly.



Quick attachment

The thermo stop is quickly fitted by simply screwing it onto the hanger bolt



Thermal separation

The sealing ring effectively reduces the flow of cold and heat



DOWNPIPE BRACKET SQUARE WITH 140 MM STRIKER PIN

Nominal size	80x80	100x100
● Galvanised steel	501245	501246



HANGER BOLT M10

Nominal size	M10 100	M10 140	M10 200	M10 250	M10 290	M10 300
● Galvanised steel	500213 ²	500214 ²	500215 ²	500216 ²		500217 ²
● Stainless steel	540313 ¹	540314 ¹	540315 ¹	540316 ¹	540317 ¹	

¹ With spanner flat

² With Torx slot and spanner flat, galvanised



BASEPLATE WITH THREADED NUT M8/M10

Nominal size	M8 M10
● Galvanised steel	500221 ¹
● Stainless steel	540219

¹ Galvanised



RING BOLT

Nominal size	M6 20
● Stainless steel	540212



THERMO STOP

Nominal size	M10
● Stainless steel	540211

Prevents thermal bridge between hanger bolt and pipe bracket

CLIMBING HOOKS

* The GRÖMO fastening solutions



The GRÖMO fastening system for insulated façades put an end to improvised solutions. Whether insulated first and then dowelled or vice versa: With the STG pipe bracket holder or the SPI pipe bracket plug, pipe brackets can be attached to the façade in no time at all thanks to its design details, including thermal and acoustic separation from the façade.



STG PIPE BRACKET SUPPORT

Nominal size	80-120	120-160	160-200	200-240	240-320
Stainless steel	540240 ¹	540241 ¹	540242 ¹	540243 ¹	540244 ²

¹ Mounting solution for pipe brackets with thermal insulation systems. In Austria, obtainable from Likunet company in Gänserndorf

² Mounting solution for pipe brackets with thermal insulation systems, 2 pieces. In Austria, obtainable from Likunet company in Gänserndorf



SPI PIPE BRACKET PLUG

Nominal size	M10 130	M10 260	M10 330
Stainless steel	940236	940237	940238

Can be used with building height up to 8 m. If building height is over 8 m, follow the accepted rules of technology of the plumber/roofer trade!



BEAD

Nominal size	75 80	85 90	100	120
Zinc	620864	620867	620870	620872
Copper	600864	600867	600870	



HALF BEAD

Nominal size	60	76	80	87	100	120	150
Zinc	620881	620884	620885	620887	620890	620892	620893
Copper					600890		



DOWNPIPE STOPGAP

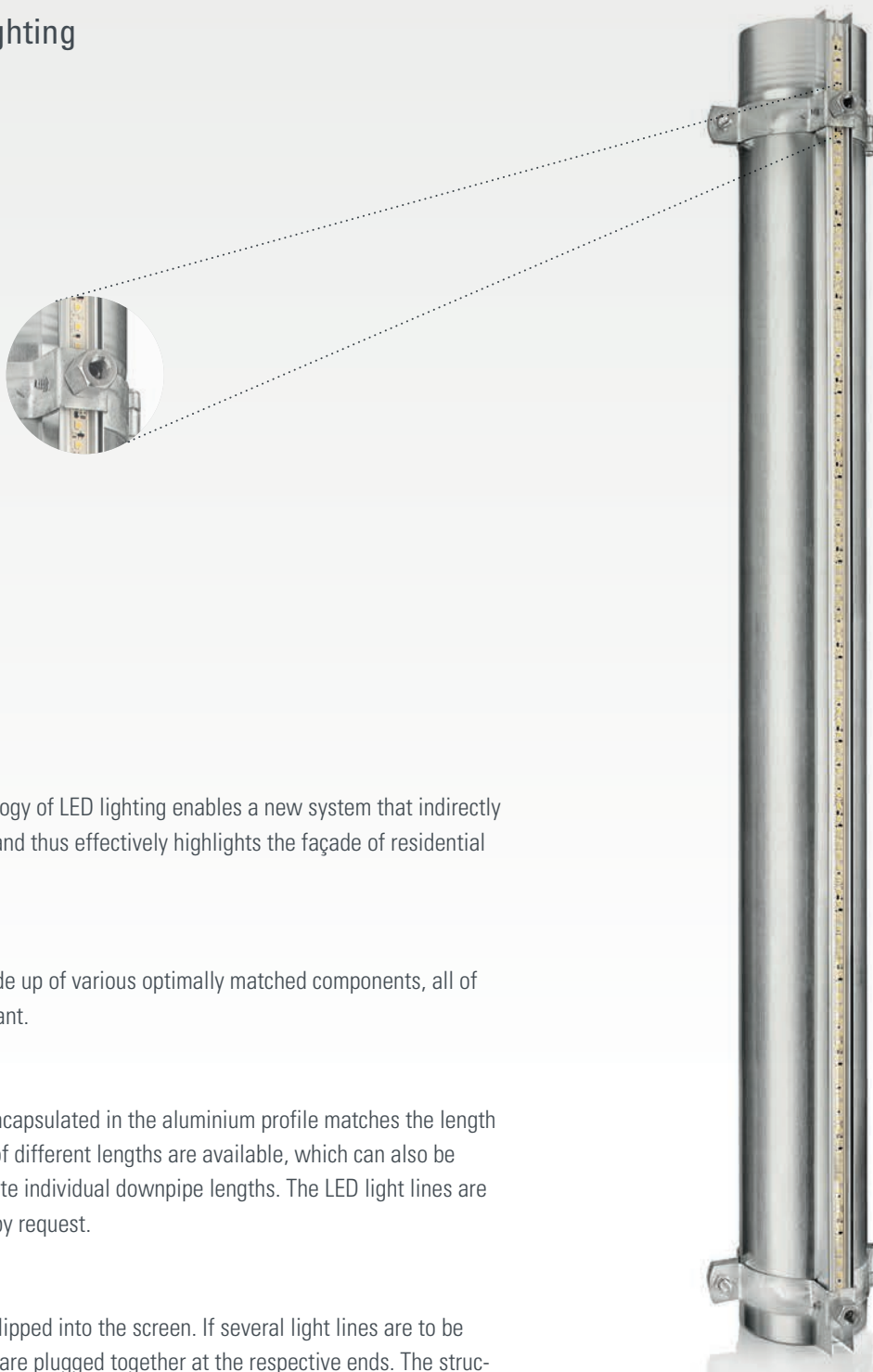
Nominal size	60-120 8	60-120 100
Other	940910 ¹	940920 ²

¹ Roll length 8 m. Compatible with downpipe diameter 120 mm

² Roll length 100 m. Compatible with downpipe diameter 120 mm

SKY LIGHTS

The LED downpipe lighting



The constantly advancing technology of LED lighting enables a new system that indirectly backlights rainwater downpipes and thus effectively highlights the façade of residential buildings or industrial halls.

Elegant and durable

The LED downpipe lighting is made up of various optimally matched components, all of which are weather and UV-resistant.

Made to fit

To ensure that the LED lighting encapsulated in the aluminium profile matches the length of the downpipe, LED light lines of different lengths are available, which can also be combined with each other to create individual downpipe lengths. The LED light lines are also available in special lengths by request.

Simple installation

The LED linear lights are simply clipped into the screen. If several light lines are to be combined, the cable connections are plugged together at the respective ends. The structure can then be mounted on the downpipe using a specially designed downpipe bracket.

Up to the sky

There are virtually no limits to the range of applications for the innovative GRÖMO LED lighting system. With one supply line, it can be installed up to a maximum height of 11.5 metres, or nearly twice that with two supply lines. Depending on the ballast and control unit, the light sources can be integrated into the house control system and individual accents can be set.



DOWNPIPE BRACKET

The downpipe bracket specially developed for the LED downpipe lighting has a U-shaped extension into which the linear lights and screen are inserted and fastened with a hexagon socket threaded pin. The downpipe bracket thus ensures uninterrupted, visually pleasing and durable fixing of the LED lighting to the downpipe.

COVER

The aluminium profiles of the LED linear lights are mounted in a cover made of a U-shaped metal profile by clipping them into place. The cover fulfils three functions: The profile conceals the technical details and thus ensures the desired appearance. It protects against the weather and serves as a fastener to fix the LED linear lights to the downpipe bracket.



CONNECTING SLEEVE

The connecting sleeve enables a seamless transition between the screens of the individual light lines. Simply pushed over the joints, it fixes the screens in place, ensuring thermally induced length compensation and an appealing continuous look.

LED LINEAR LIGHT

VarioLED™ IP67 are fully encapsulated, linear LED light lines in an aluminium profile with excellent heat dissipation. A clear polyurethane encapsulation protects them from moisture, dust, dirt and UV radiation. They therefore comply with protection class IP67. The light lines are supplied ready to plug in with a mini IP67 connector at both ends. The integrated HYDRA PRO SW LED strips are single-channel, dimmable strips for 24V constant voltage with an output of 4 W/m (380 lumens) and a colour temperature of approx. 6,700 K. The stimulating, cool white light ensures radiant brightness and good colour rendering on the façade. The linear light sources are robust and have an average service life of around 60,000 hours.

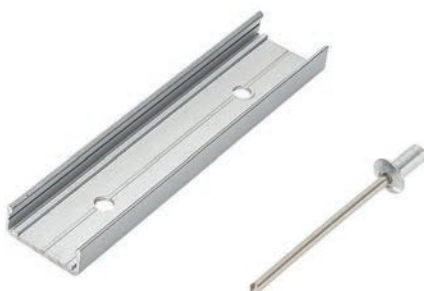


CONNECTION CABLE

The LED linear light is connected to the ballast or control unit via the two metre long cable with mini IP67 socket.

SILICONE PROTECTIVE CAP

The top cable plug is sealed with the protective cap to protect it from the weather and as a safety measure.



MOUNTING BRACKETS AND RIVETS

In order to additionally stabilise the LED light lines for individual special lengths, additional mounting brackets can be fixed to the desired position on the screen using rivets.

ORDER INFORMATION

Six different lengths of LED linear lights are available to ensure that the LED lighting encapsulated in the aluminium profile matches the length of the downpipe. The standard version with 2,894 mm is designed for a three metre long downpipe. There are five other length versions for shorter downpipes. Numerous different LED lengths can be implemented by using them individually or in combination.

The following table provides an overview of the possible LED lighting lengths and the required products and quantities that can be implemented with the available standard LED linear lights. If these lengths are not sufficient due to the structural conditions, customised special lengths are available by request.

	VarioLED 207 mm	VarioLED 332 mm	VarioLED 519 mm	VarioLED 957 mm	VarioLED 1,957 mm	VarioLED 2,894 mm	Downpipe bracket	Cover	Connecting sleeve	Connection cable	Protective cap	Mounting bracket	Blind rivet
Lighting length* [mm]	86942	86943	86944	86945	86946	86941	50281 50282 89871 89872	62908 89873	62909 89874	86949	86948	84908	84909
242	1						1	1	1	1	1		
367		1					2	1	1	1	1		
484	2						2	1	1	1	1	1	1
554			1				2	1	1	1	1	1	1
609	1	1					2	1	1	1	1	1	1
734		2					2	1	1	1	1		
796	1		1				2	1	1	1	1	1	1
921		1	1				2	1	1	1	1	2	1
992				1			2	1	1	1	1		
1108			2				2	1	1	1	1	2	1
1234	1			1			2	1	1	1	1	1	1
1359		1		1			2	1	1	1	1	1	1
1476	2			1			2	1	1	1	1	2	1
1546			1	1			2	1	1	1	1	2	1
1601	1	1		1			2	1	1	1	1	2	1
1726		2		1			2	1	1	1	1	2	1
1788	1		1	1			2	1	1	1	1	2	1
1913		1	1	1			3	1	1	1	1	2	1
1992					1		3	1	1	1	1		
2100			2	1			3	1	1	1	1	3	1
2234	1				1		3	1	1	1	1		
2359		1			1		3	1	1	1	1		
2476	2				1		3	1	1	1	1	1	1
2546			1		1		3	1	1	1	1	1	1
2601	1	1			1		3	1	1	1	1	1	1
2726		2			1		3	1	1	1	1	1	1
2788	1		1		1		3	1	1	1	1	1	1
2929						1	3	1	1	1	1		
3000						1	3	1	1	1	1		

* A distance of 35 mm is provided between the LED linear lights for the plug-in connection to each other and at the end. When planning the lighting lengths, it must be ensured that the linear lights are at least 150 mm away from the water-bearing level (local conditions must be taken into account!).



DOWNPIPE BRACKET WITH M10 THREADED NUT FOR LED DOWNPIPE LIGHTING

Nominal size	100	120
● Galvanised steel	500281	500282



SPARE PART: REPLACEMENT SCREWS

Nominal size	
● Stainless steel	540331

Set consisting of hexagon head screw M8, O-ring, hexagon nut M8 and hexagon socket threaded pins



COVER FOR LED DOWNPIPE LIGHTING

Nominal size	2900
● Zinc	620908



CONNECTING SLEEVE FOR LED DOWNPIPE LIGHTING

Nominal size	200
● Zinc	620909



LED LINEAR LIGHT

Nominal size	207	332	519	957	1957	2894	Sonderlänge
○ Other	940942	940943	940944	940950	940951	940941	940947





CONNECTION CABLE

Nominal size

☐ Other	940949
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SILICONE PROTECTIVE CAP

Nominal size

☐ Other	940948
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MOUNTING BRACKET FOR LED LINEAR LIGHT

Nominal size

90

☐ Other	940908
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BLIND RIVET 4X6 MM FOR MOUNTING BRACKET

Nominal size

4x6

☐ Other	840909
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Packet, 100 pcs



RAINWATER STANDPIPES FROM GRÖMO – THEY STAND UP GREAT

The rainwater standpipe range from GRÖMO offers everything you need to connect downpipes and sewer pipes. Made of galvanised steel with an internal coating or copper, the standpipes are corrosion-resistant, durable, stable, functional and suitable for a wide range of applications. GRÖMO offers additional connecting elements, fastenings and seals for special pipe connections.



Rainwater standpipes	94
Sealing elements	100
Rainwater standpipe brackets	100
Rainwater standpipe accessories	101





GRÖMO RAINWATER STANDPIPE 0.5 M - WITHOUT CLEANING LID

Nominal size	80	100
● Galvanised steel	502301	502303

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



GRÖMO RAINWATER STANDPIPE 0.5 M - WITH CLEANING LID

Nominal size	80	100
● Galvanised steel	502311	502313

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!

SPARE PART: REPLACEMENT CLEANING LID FOR GRÖMO RAINWATER STANDPIPE

Nominal size	100
● Galvanised steel	980491



GRÖMO RAINWATER STANDPIPE 0.5 M - WITH SAFETY OVERFLOW IN THE CLEANING LID

Nominal size	80	100
● Galvanised steel	502321	502323

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



GRÖMO RAINWATER STANDPIPE 1.0 M - WITHOUT CLEANING LID

Nominal size	80	100	120
● Galvanised steel	502331	502333	502334

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



GRÖMO RAINWATER STANDPIPE 1.0 M - WITH CLEANING LID

Nominal size	80	100	120
● Galvanised steel	502341	502343	502344

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!

SPARE PART: REPLACEMENT CLEANING LID FOR GRÖMO RAINWATER STANDPIPE

Nominal size	100
● Galvanised steel	980491



GRÖMO RAINWATER STANDPIPE 1.0 M - WITH SAFETY OVERFLOW IN THE CLEANING LID

Nominal size	80	100	120
● Galvanised steel	502351	502353	502354

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



GRÖMO RAINWATER STANDPIPE 1.5 M - WITHOUT CLEANING LID

Nominal size	100	120
● Galvanised steel	502363	502364

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



GRÖMO RAINWATER STANDPIPE 1.5 M - WITH CLEANING LID

Nominal size	100	120
● Galvanised steel	502373	502374

Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!

SPARE PART: REPLACEMENT CLEANING LID FOR GRÖMO RAINWATER STANDPIPE

Nominal size	100
● Galvanised steel	980491



GRÖMO RAINWATER STANDPIPE 2.0 M - WITHOUT CLEANING LID

Nominal size	100
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● Galvanised steel	502366
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Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



GRÖMO RAINWATER STANDPIPE 2.0 M - WITH CLEANING LID

Nominal size	100
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● Galvanised steel	502376
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Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!

SPARE PART: REPLACEMENT CLEANING LID FOR GRÖMO RAINWATER STANDPIPE

Nominal size	100
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● Galvanised steel	980491
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GRÖMO RAINWATER STANDPIPE 2.0 M - WITH SAFETY OVERFLOW IN THE CLEANING LID

Nominal size	100
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● Galvanised steel	502386
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Fits directly on all common sewage pipes. No additional connector or standpipe cap necessary!



RAINWATER STANDPIPE 1.0 M - WITHOUT CLEANING LID

Nominal size	70	80	100	125	150
● Copper		602609 ²	602610 ¹		
● Galvanised steel	502601 ¹	502602 ²	502603 ¹	502604 ¹	502605 ¹

¹ Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

² Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe



RAINWATER STANDPIPE 1.0 M - WITH CLEANING LID

Nominal size	70	80	100	125	150
● Copper		602631 ²	602632 ¹	602633 ¹	
● Galvanised steel	502623 ¹	502624 ²	502625 ¹	502626 ¹	502627 ¹

¹ Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

² Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

SPARE PART: REPLACEMENT CLEANING LID FOR RAINWATER STANDPIPE

Nominal size	100	125
● Copper	980571	
● Galvanised steel	980572	980573



RAINWATER STANDPIPE 1.0 M - WITH SAFETY OVERFLOW IN THE CLEANING LID

Nominal size	70	80	100	125	150
● Galvanised steel	502645 ¹	502646 ²	502647 ¹	502648 ¹	502649 ¹

¹ Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

² Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

SPARE PART: CLEANING LID WITH SAFETY OVERFLOW FOR RAINWATER STANDPIPE

Nominal size	100
● Galvanised steel	980574



RAINWATER STANDPIPE 1.5 M - WITHOUT CLEANING LID

Nominal size	70	80	100	125	150
● Copper			602621 ¹		
● Galvanised steel	502612 ¹	502613 ²	502614 ¹	502615 ¹	502616 ¹

¹ Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

² Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe



RAINWATER STANDPIPE 1.5 M - WITH CLEANING LID

Nominal size	70	80	100	125	150
● Copper			602643 ¹		
● Galvanised steel	502634 ¹	502635 ²	502636 ¹	502637 ¹	502638 ¹

¹ Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

² Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

SPARE PART: REPLACEMENT CLEANING LID FOR RAINWATER STANDPIPE

Nominal size	100	125
● Copper	980571	
● Galvanised steel	980572	980573



RAINWATER STANDPIPE 2.0 M - WITHOUT CLEANING LID

Nominal size	100	125	150
● Galvanised steel	502690	502694	502698

Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe



RAINWATER STANDPIPE 2.0 M - WITH CLEANING LID

Nominal size	100	125	150
● Copper	602693		
● Galvanised steel	502691	502695	502699

Without seal element. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

SPARE PART: REPLACEMENT CLEANING LID FOR RAINWATER STANDPIPE

Nominal size	100	125
● Copper	980571	
● Galvanised steel	980572	980573



RAINWATER STANDPIPE SQUARE 1.0 M - WITHOUT CLEANING LID

Nominal size	100
● Galvanised steel	502608

Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe



RAINWATER STANDPIPE SQUARE 1.0 M - WITH CLEANING LID

Nominal size	100
● Galvanised steel	502630

Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

SPARE PART: CLAMP CAP FOR HEXAGON NUT M8

Nominal size	
○ Other	980575

SPARE PART: STANDPIPE COVER FOR SQUARE RAIN STANDPIPE

Nominal size	
● Stainless steel	980577



RAINWATER STANDPIPE SQUARE 1.5 M - WITHOUT CLEANING LID

Nominal size	100 100
● Galvanised steel	502619

Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe



RAINWATER STANDPIPE SQUARE 1.5 M - WITH CLEANING LID

Nominal size	100 100
● Galvanised steel	502641

Without seal element, with preformed connector, outer diameter 102 mm. Compatible connectors are available for connecting to sewer pipe and acoustic transmission line cast iron pipe

SPARE PART: CLAMP CAP FOR HEXAGON NUT M8

Nominal size	
○ Other	980575

SPARE PART: STANDPIPE COVER FOR SQUARE RAIN STANDPIPE

Nominal size	
● Stainless steel	980577



SEALING ELEMENT

Nominal size	70 76	80	100	125	150
○ Other	940556	940551	940552	940553	940554



RAINWATER STANDPIPE BRACKET WITH THREADED NUT M10

Nominal size	70	80	82	100	120	125	150
● Copper	602595	602596		602597		602598	
● Galvanised steel	502590	502591	500260	502592	502584	502593	502594

For connecting to SPI dowel, hanger bolt, or thermo stop. Threaded nut, galvanised



RAINWATER STANDPIPE BRACKET WITH STRIKER PIN

Nominal size	70 140	80 140	82 100	100 140	100 200	120 140	125 140	150 140
● Copper	602565	602566		602567			602568	
● Galvanised steel	502560	502561	500261	502562	502576	502583	502563	502564



SML CAST-IRON PIPE BRACKET WITH THREADED NUT M10

Nominal size	110
● Galvanised steel	501230

For connecting to SPI dowel, hanger bolt, or thermo stop. Threaded nut, galvanised



DOWNPIPE TO STANDPIPE ADAPTER BOX SHAPE TO ROUND

Nominal size	80 80	100 100
● Zinc	621701	621700

On nominal size 100



CONNECTOR TO PLASTIC PIPE

Nominal size	70 100	100 100	100 125	125 125	125 150
● Galvanised steel	502676 ²	502677 ²	502678 ¹	502679 ¹	502680 ²

¹ Seal element available separately

² Seal element available separately, connector also fits TML pipe

ROOF/CHIMNEY ACCESSORIES – THE ULTIMATE FOR THE ROOF

GRÖMO roof accessories offer everything you need for a secure and reliable connection to the roof. The chimney protection delivery programme also offers convenient solutions that support the chimney.



ROOF ACCESSORIES

Antenna sockets	104
Fans	104
Outlet vents	105
Roof ridge air vents	106
Stud caps	106
Pigeon guards	107

CHIMNEY ACCESSORIES

Chimney hoods	109
Chimney flashings	110
Overhang plug-in frames	111





ANTENNA SOCKET



Nominal size	50	50-55
● Zinc	621410 ¹	621200 ²
● Copper	601410 ¹	

¹ 2-piece, with hem

² 2-piece, with hem and baseplate made of lead

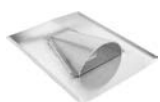


BULL'S EYE ROOF FAN, HALF ROUND



Nominal size	260 160 90
● Zinc	621300
● Copper	601300
● UGINOX Patina K41	541300

Also available with snow protection upon request



BULL'S EYE ROOF FAN, HALF ROUND, WITH BASEPLATE



Nominal size	300 400
● Zinc	621303
● Copper	601303

With double-sided hem. Also available with pipe connector supports/snow protection by request



TRAPEZOID ROOF VENTILATOR



Nominal size	200 170 130 60
● Zinc	621302
● Copper	601302

Also available with snow protection upon request



TRAPEZOID ROOF FAN, WITH BASEPLATE



Nominal size	300 400
● Zinc	621305
● Copper	601305

With double-sided hem. Also available with pipe connector supports/snow protection by request



PITCHED DORMER VENTILATOR, TRIANGULAR, WITH BASEPLATE



Nominal size	300 400
● Zinc	621304 *
● Copper	601304 *

With double-sided hem. Also available with pipe connector supports/snow protection by request

* Discontinued item, available only while stocks last



OUTLET VENT WITH CONDENSATION COLLECTOR

Nominal size	87	100	120
● Zinc	620772	620773	620774



OUTLET VENT WITH VENT CAP



Nominal size	100	120
● Zinc	621612	621613
● Copper	601612	601613



OUTLET VENT WITH VENT CAP ON BASEPLATE WITH DOUBLE-SIDED HEM



Nominal size	80	87	100	120
● Zinc	621618	621619	621620	621621
● Copper	601618	601619	601620	601621

Specify roof angle when ordering



OUTLET VENT WITH VENT CAP ON BASEPLATE WITHOUT HEM



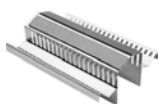
Nominal size	80	100	120
● Zinc	621614	621616	621617
● Copper	601614	601616	601617

Specify roof angle when ordering



VENT CAP

Nominal size	50	60	76	80	87	100	120	150
● Zinc	620760	620761	620762	620763	620764	620765	620766	620767
● Copper	600760	600761	600762	600763	600764	600765	600766	600767



VENTILATOR RIDGE UNIT

Nominal size	
● Stainless steel	540035

Length 1905 mm



STUD CAPS

Nominal size	30	35
● Zinc	620903	620902
● Copper	600903	600902

Packet, 100 pcs



STAINLESS STEEL PIGEON GUARD, SINGLE ROW

Nominal size	1-reihig
● Stainless steel	540168

Length 500 mm for gutter bead and snow guard



STAINLESS STEEL PIGEON GUARD, DOUBLE ROW

Nominal size	2-reihig
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● Stainless steel	540169
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Length 1000 mm



STAINLESS STEEL PIGEON GUARD, QUADRUPLE ROW

Nominal size	4-reihig
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● Stainless steel	540170
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Length 1000 mm



STAINLESS STEEL FASTENING CLIPS FOR SINGLE-ROW PIGEON GUARD

Nominal size	Für Rinnenwulst Ø 20	Für Schneefanggitter
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● Stainless steel	540167	540166
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Use 2 clips per 0.5 m

HEAVEN'S TENT

* The GRÖMO chimney hood



The GRÖMO chimney hood turns every roof into something very special thanks to its elegant, curved shape. The embossed reinforcement beads give the chimney hood an attractive appearance and additional stability. Thanks to the practical fastening set, the hood can be installed quickly and easily. The premium materials used, stainless steel and copper, protect the chimney for a long time.



On the chimney and ready to go

The practical fastening set makes it easy: mark, drill, screw – done.



Joint set replaces tool

The joint set allows the chimney hood to be opened and closed effortlessly.



"NAPOLEON" CHIMNEY HOOD

Nominal size

● Stainless steel

540028

Length Width	450	500	550	600	650	700	750	800	850	900	950	1000
450	■	■	■	■	■	■	■	■	■	■	■	■
500	■	■	■	■	■	■	■	■	■	■	■	■
550	■	■	■	■	■	■	■	■	■	■	■	■
600	■	■	■	■	■	■	■	■	■	■	■	■
650	■	■	■	■	■	■	■	■	■	■	■	■
700	■	■	■	■	■	■	■	■	■	■	■	■
750	■	■	■	■	■	■	■	■	■	■	■	■
800	■	■	■	■	■	■	■	■	■	■	■	■
850	■	■	■	■	■	■	■	■	■	■	■	■
900	■	■	■	■	■	■	■	■	■	■	■	■
950	■	■	■	■	■	■	■	■	■	■	■	■
1000	■	■	■	■	■	■	■	■	■	■	■	■
1050	■	■	■	■	■	■	■	■	■	■	■	■
1100	■	■	■	■	■	■	■	■	■	■	■	■
1150	■	■	■	■	■	■	■	■	■	■	■	■
1200	■	■	■	■	■	■	■	■	■	■	■	■

metal thickness 1,00 mm

Up to and including 800 mm in length 4 chimney hood feet, from 850 mm length 6 chimney hood feet are required

Dimensions are chimney dimensions, the hood is delivered circumferentially about 100 mm larger.



CHIMNEY FEET

Nominal size

4er-Set

6er-Set

● Stainless steel

540026

540027

Includes mounting material



JOINT SET

Nominal size

● Stainless steel

540025

Includes mounting material



CHIMNEY FLASHING

Nominal size	Gr.1 320-550	Gr.2 500-900	Gr.3 800-1400
● Zinc	620775	620776	620777
● Copper	600775	600776	600777
● Galvanised steel	500775	500776	500777

The measurements given are for the internal dimension's adjustable width. The flashing length can be adjusted for chimneys from 500 to 600 mm (measured at the height of the roof lathing from the bottom to the top of the chimney's edge). The sides of the flashing can also be extended infinitely with the use of extensions



CHIMNEY FLASHING BOTTOM PART (APRON)

Nominal size	Gr.1 320-550	Gr.2 500-900
● Zinc	620778	620779

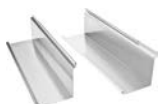
The measurements given are for the internal dimension's adjustable width



CHIMNEY FLASHING TOP PART (NECK MOULDING)

Nominal size	Gr.1 320-550	Gr.2 500-900
● Zinc	620781	620782

The measurements given are for the internal dimension's adjustable width



EXTENSION FOR CHIMNEY FLASHING

Nominal size	500
● Zinc	620786
● Copper	600786
● Galvanised steel	500786

Includes: 1 pair. Second piece is identical



OVERHANG PLUG-IN FRAME

Nominal size	Gr.1 320-550
● Zinc	620791
● Copper	600791

Compatible with chimney flashing size 1. Includes: 2 pairs of corner pieces



EXTENSION/WIDENING FOR OVERHANG PLUG-IN FRAME

Nominal size	600
● Zinc	620785 *
● Copper	600785

For chimney flashings size 2 and 3. Includes: 1 pair

* Discontinued item, available only while stocks last

TECHNICAL DATA

OUTLET

DRAINAGE CAPACITY OF THE GRÖMO PLUG-IN GUTTER OUTLET*

Construction	Nominal size	Gutter outlet drainage capacity (l/s):	Pipe drainage capacity (l/s):
Oval	200/60	1.7	2.7
	250/60	3.0	2.7
	250/76	2.9	5.2
	250/80	2.9	5.9
	280/76	4.1	5.2
	280/80	4.1	5.9
	280/87	4.1	7.4
	280/100	4.1	10.7
	333/76	7.4	5.2
	333/80	7.4	5.9
	333/87	7.4	7.4
	333/100	7.4	10.7
	333/120	7.2	17.4
	400/100	14.5	10.7
	400/120	14.5	17.4
	400/150	12.4	31.6
	500/120	17.1	17.4
	500/150	21.1	31.6
Box shape	200/60	1.6	2.7
	250/76	2.6	5.2
	250/80	2.4	5.9
	280/80	3.3	5.9
	280/87	3.3	7.4
	333/100	6.0	10.7
	400/120	10.8	17.4
	500/150	19.0	31.6
	250/80x80	2.4	8.15
	333/80x80	5.9	8.15
Diagonal cylindrical	333/100x100	5.9	14.78
	280/80	3.6	5.9
	333/100	6.4	10.7
Diagonal conical	280/118	4.0	5.9
	333/139	6.4	10.7
	400/169	13.7	17.4
Oberstdorfer outlet	333/139	7.4	10.7
Round	280/80	4.3	5.9
	333/100	6.9	10.7

* Drainage table for GRÖMO gutter outlets - DIN EN 12056 - Part 3

The measurement results were determined by the Technical University of Munich. It has been confirmed that GRÖMO gutter outlets not only fulfil the standard, but exceed it. To guarantee these results, use the gutter section template developed by GRÖMO. You can download these to print out yourself at www.groemo.de or order them free of charge as templates from service@groemo.de.

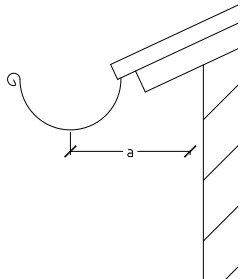
CUT-TO-SIZE FOR CONICAL DIAGONAL PIPE

	Nominal size	Downpipe connection diameter [mm]	Cut ² wide side [mm]	Cut ² narrow side [mm]
Conical diagonal outlet	280	80 ¹	395	273
	333	100	462	335
	400	120	555	398
Oberstdorfer outlet	333	100	462	335

¹ Rainwater downpipes with nominal sizes of 76 and 87 mm are also still common in some regions. The cutting dimensions for the narrow side must be replaced accordingly.

² Cutting dimensions incl. hem allowance for 8 mm hem

ADJUSTABLE OUTLET LENGTH



Nominal gutter size	Nominal downpipe size	Centre of outlet – centre of downpipe Roof overhang a [mm]	Adjustable outlet length [mm]
280	80	150 – 280	500
		280 – 450	750
		450 – 620	1000
		620 – 800	1250
333	100	150 – 280	50
		280 – 450	750
		450 – 620	1000
		620 – 800	1250
		800 – 980	1500
400	120	150 – 280	500
		280 – 450	750
		450 – 620	1000
		620 – 800	1250

ROOF GUTTERS

MOVEMENT COMPENSATION FOR ROOF GUTTERS

The following constructions or components can be used to compensate for movement in roof gutters:

- Sliding joints at the highest points (high-point sliding joint)
- Rubber elements at every point
- Hoppers or plug-in gutter outlets at the drain point

An expansion compensator must be installed every 15 m for suspended gutters up to 500 mm in size.

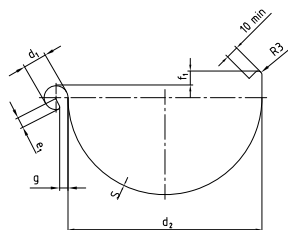
For outside corners or the start of the gutter, half the standard value applies: max. 7.5 m.

For inside corners, a quarter of the standard value applies: max. 3.75 m.

Gutter corners must be designed as fixed points.

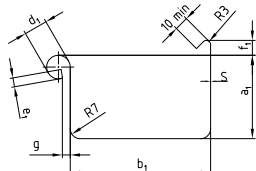
ROOF GUTTERS

ROOF GUTTER, HALF ROUND



Nominal size / cutting width	d ₁ [mm]	d ₂ [mm]	e ₁ [mm]	f ₁ [mm]	g [mm]
+1/-2 mm	± 1 mm	+2/-0 mm	± 1 mm	min. [mm]	± 1 mm
200	16	80	5	8	5
250	18	105	7	10	5
280	18	127	7	11	6
333	20	153	9	11	6
400	22	192	9	11	6
500	22	250	9	21	6

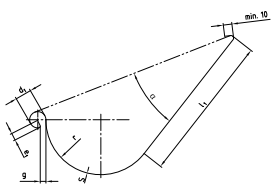
ROOF GUTTER, BOX SHAPE



Nominal size / cutting width	a ₁ [mm]	b ₁ [mm]	d ₁ [mm]	e ₁ [mm]	f ₁ [mm]	g [mm]
+1/-2 mm	± 1 mm	+0/-1 mm	± 1 mm	± 1 mm	min. [mm]	± 1 mm
200	42	70	16	5	8	5
250	55	85	18	7	10	5
280*	-	-	-	-	-	-
333	75	120	20	9	10	6
400	90	150	22	9	10	6
500	110	200	22	-	20	6

* Dimensions not standardised

ROOFTOP GUTTER



Nominal size / cutting width	d ₁ [mm]	e ₁ [mm]	g [mm]	r [mm]	l ₁ [mm]	α [°]
+1/-2 mm	± 1 mm	± 1 mm	± 1 mm	+2/-0 mm	± 2 mm	± 2°
400	20	9	6	63.5	170	31
500	20	9	6	63.5	270	22

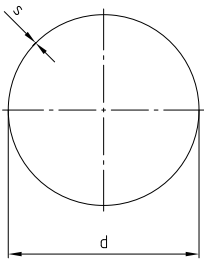
In order to ensure a perfect fit and compatibility with existing gutters and accessories, it is necessary to adhere to the standard shapes and dimensions that go beyond the specifications of DIN EN 612.

MATERIAL THICKNESS (S), HALF-ROUND GUTTER AND BOX SHAPE

Nominal size / Cutting width	Zinc [mm]	Copper [mm]	Galvanised steel [mm]	Stainless steel [mm]	Aluminium [mm]
200	0.65	0.60	0.60	0.40	0.70
250	0.65	0.60	0.60	0.40	0.70
280	0.70 ¹	0.60 ¹	0.60 ¹	0.40 ¹	0.70 ¹
333	0.70	0.60	0.60	0.40	0.70
400	0.80	0.70	0.70	0.50	0.80
500	0.80	0.70	0.70	0.50	0.80

¹ Material thickness applies to half round gutter, material thickness for box-shaped gutter not standardised

RAINWATER DOWNPIPE



MATERIAL THICKNESS (S), ROUND RAINWATER DOWNPIPES

Nominal size d *	Zinc [mm]	Copper [mm]	Galvanised steel [mm]	Stainless steel [mm]	Aluminium [mm]
60	0.65	0.60	0.60	0.40	0.70
76	0.65	0.60	0.60	0.40	0.70
80	0.65	0.60	0.60	0.40	0.70
87	0.65	0.60	0.60	0.40	0.70
100	0.65	0.60	0.60	0.40	0.70
120	0.70	0.70	0.70	0.50	0.70
150	0.70	0.70	0.70	0.50	0.70

* d = inner pipe diameter, tolerance ± 1 mm

MATERIAL THICKNESS (S), SQUARE RAINWATER DOWNPIPES

Nominal size b *	Zinc [mm]	Copper [mm]	Galvanised steel [mm]	Stainless steel [mm]	Aluminium [mm]
60	0.65	0.60	0.60	0.40	0.70
80	0.65	0.60	0.60	0.40	0.70
100	0.70	0.70	0.70	0.40	0.70
120	0.80	0.70	0.70	0.50	0.70

* b = inside of square, tolerance ± 1 mm

In order to ensure a perfect fit and compatibility with existing rainwater downpipes and accessories, it is necessary to adhere to the standard shapes and dimensions that go beyond the specifications of DIN EN 612.

RAINWATER DOWNPIPE

CONNECTIONS (ACCORDING TO DIN EN 612)

Each manufactured length of rainwater downpipe must be either

- be provided with a wide end (female end) and a narrow end (male end) so that the female and male ends of two manufacturing lengths can be plugged together to form a plug-in connection with an overlap of at least 50 mm, or
- be provided with equally wide ends for connection with loose sleeves.

ACCESSORIES (ACCORDING TO PLUMBING TRADE REGULATIONS ZVSHK)

According to DIN EN 612, accessories must be manufactured in such a way that they fit the associated downpipes and can be inserted approx. 30 mm.

JOINT DESIGNS

Joint design	● Zinc	● Copper	● Galvanised steel	● Stainless steel	● Aluminium	Joint overlap
Soft soldered	–	✱	–	✱	–	5
Brazed	–	✱	–	–	–	3
Folded	✱	✱	✱	✱	✱	6
Welded	✱	✱	✱	✱	✱	*

✱ = permitted / – = not permitted
 * Depending on the welding process

MATERIALS

ASSEMBLY OF METALS

Metal	● Zinc	● Copper	● Galvanised steel	● Stainless steel	● Aluminium	● Lead
● Zinc	✱	–	✱	✱	✱	✱
● Copper	–	✱	–	✱	–	✱
● Galvanised steel	✱	–	✱	✱	✱	✱
● Stainless steel	✱	✱	✱	✱	✱	✱
● Aluminium	✱	–	✱	✱	✱	✱
● Lead	✱	✱	✱	✱	✱	✱

✱ = permitted / – = not permitted

METAL WEIGHT BY THICKNESS

Metal	Density [kg/dm³]	0.40 mm [kg/m²]	0.50 mm [kg/m²]	0.60 mm [kg/m²]	0.65 mm [kg/m²]	0.70 mm [kg/m²]	0.80 mm [kg/m²]	1.00 mm [kg/m²]
● Zinc	7.20	–	–	–	4.68	5.04	5.76	7.20
● Copper	8.93	–	–	5.35	5.80	6.25	7.14	8.93
● Galvanised steel	7.86	–	–	4.71	5.10	5.50	6.28	7.86
● Stainless steel	7.90	–	3.95	4.74	5.13	5.53	6.32	7.90
● Uginox Patina K41	7.70	3.08	3.85	–	–	–	–	–
● Aluminium	2.70	–	–	–	–	1.89	2.16	2.70

● ZINC

GRÖMO only uses titanium zinc. This is an alloy of zinc with a proportion of titanium and copper. This alloy composition results in excellent formability, while at the same time giving the material the required strength. Edging, rounding, hemming and profiling – possible without restrictions with titanium zinc. It can also be used to create complex shapes. Titanium zinc is also robust, corrosion-resistant and durable. Titanium zinc has a silvery colour and its texture has the typical zinc structure. Over time, a patina forms, which ensures a maintenance-free surface and long-term protection against weathering.

- Natural material
- Becomes more attractive as it ages due to natural weathering process. The initially silvery, shiny exterior of the titanium zinc transforms into a matt, grey-blue surface over time
- Exceptional durability due to corrosion resistance and the formation of a firmly adhering, non-toxic protective layer under the influence of atmospheric weathering
- Natural erosion very low
- UV-resistant
- High formability, easy to use

Density	Melting point	Length change at 100 K
7.20 kg/dm ³	418 °C	2.2 mm/m

According to DIN EN 988

● QUARTZ-ZINC

With quartz-zinc, the surface of polished zinc is treated in a chemical process. The result is a pre-weathered zinc surface with a light grey appearance. Its colour resembles the natural patina of polished zinc, its texture is specific to zinc. If you prefer a light grey patina right from the start, install this material in the new build. Quartz-zinc is often used for façade cladding, as patina would form more slowly on polished zinc.

- Harmonises with other mineral building materials
- Particularly suitable for renovations, as quartz-zinc goes well with an older zinc patina
- The colour changes very little over time, but then becomes slightly darker
- Possible staining in areas that are not regularly washed off by rain
- Permanently maintenance-free. Surface is self-repairing in the event of minor scratches
- Natural, very homogeneous surface
- Long service life, simple processing

Density	Melting point	Length change at 100 K
7.20 kg/dm ³	418 °C	2.2 mm/m

According to DIN EN 988

● ANTHRA-ZINC

With anthra-zinc, the surface of polished zinc is treated in a chemical process. The result is a pre-weathered zinc surface with a dark grey appearance. Its patina is homogeneous, its texture specific to zinc. If you prefer a dark grey patina right from the start, install this material in the new build. Anthra-zinc is often used for façade cladding, as patina would form more slowly on polished zinc.

- Harmonises particularly well with slate and other mineral building materials as well as wood
- Particularly suitable for renovations, as anthra-zinc goes well with an older zinc patina
- May lighten slightly over time. The colour change depends on the type of environment (near the coast, snowy areas, etc.) and application (roofing, façade, roof drainage)
- Possible staining in areas that are not regularly washed off by rain
- Simple processing

DENSITY	Melting point	Length change at 100 K
7.20 kg/dm ³	418 °C	2.2 mm/m

According to DIN EN 998

● COPPER

Copper impresses with its high corrosion resistance and impressive durability. Over decades, it defies the effects of the weather and develops a protective patina that is both aesthetically pleasing and adds a green elegance to copper buildings. This robust material is ideal for sophisticated roof constructions and blends in with all architectural styles – from modern to classic. Copper can be recycled after use. Despite the higher purchase costs, it pays for itself through minimal maintenance and a long service life. However, copper should not be combined with other metals, as this can lead to corrosion.

- Long service life due to corrosion resistance and the formation of a firmly adhering, non-toxic protective layer under the influence of atmospheric weathering
- No corrosion on the back
- Good machinability, even when executing difficult details
- No impairment of formability, even at low temperatures
- Long service life with minimal maintenance
- Adapts harmoniously to other building materials thanks to the natural patina surface
- Becomes more attractive as it ages due to natural weathering process

DENSITY	Melting point	Length change at 100 K
8.93 kg/dm ³	1083 °C	1.7 mm/m

According to DIN EN 1172

● GALVANISED STEEL

Galvanised steel offers a cost-effective and durable solution for roof drainage. The hot-dip galvanising makes it resistant to corrosion. The discreet, metallic grey look goes well with modern and functional buildings. For optimum durability, galvanised steel should not be used in contact with copper or aluminium to avoid corrosion. The material is easy to clean, requires only occasional checks for damage.

- Good value
- High mechanical stability
- High load capacity
- Can be soldered
- Low tendency to deformation and wave formation
- Low susceptibility to installation and construction errors
- Can be coated in many different paints

DENSITY	Melting point	Length change at 100 K
7.86 kg/dm ³	≈ 1500 °C	1.2 mm/m

According to DIN EN 10346

● TESTA DI MORO

Galvanised steel in "Testa di Moro" combines high functionality with an exclusive look. The elegant, dark brown coating provides additional protection against corrosion and gives gutters and downpipes a long-lasting colour intensity, ideal for Mediterranean, classic and modern architectural styles. This low-maintenance material only requires occasional cleaning and offers an aesthetic alternative to conventional metals – durable, UV-resistant and attractively priced for sophisticated roof drainage systems.

For further properties and advantages, see "Galvanised steel".

Density	Melting point	Length change at 100 K
7.86 kg/dm ³	≈ 1500 °C	1.2 mm/m

According to DIN EN 10169

● STAINLESS STEEL

Stainless steel is the premium solution for roof drainage systems and impresses with maximum corrosion resistance and extreme durability. The material withstands all weather conditions and remains sturdy and rust-free for decades. Its elegant, silvery-glossy surface blends harmoniously into modern and classic architecture and retains its high-quality appearance for a long time. Stainless steel is also easy to clean: Regular cleaning is sufficient to remove deposits. The material is fully recyclable. Investing in stainless steel pays off in the long term, as it requires hardly any maintenance due to its stability and has an outstanding service life.

Processing advantages:

- No coating
- No material abrasion
- High material strength
- Enormous durability
- No cold brittleness
- Maintenance-free
- Recyclable
- Designed for long-term use

Application advantages:

- Can be processed in any weather
- Can be combined with other metals
- No risk of condensation
- Thermal expansion only 1.6 mm/m x 100 K
- Suitable for low roof pitches
- Low weight
- Suitable for warm and cold roof designs
- Algae and root resistant
- Easy to clean with soap and water or just rain outdoors

Density	Melting point	Length change at 100 K
7.90 kg/dm ³	≈ 1500 °C	1.6 mm/m

According to DIN EN 10088-1

● UGINOX PATINA K41

UGINOX PATINA K41 is an advanced material for roof drainage systems that combines aesthetic design with outstanding functionality. Over time, this special stainless steel surface develops an elegant grey patina that allows it to be harmoniously integrated into various architectural styles. Thanks to its high corrosion resistance, UGINOX PATINA K41 remains sturdy for years and provides reliable protection against the effects of weathering. The material is extremely durable and requires minimal maintenance. For more properties and advantages, see "Stainless steel"

Density	Melting point	Length change at 100 K
7.7 kg/dm ³	≈ 1500 °C	1.1 mm/m

According to DIN EN 10088-1

● UGINOX TOP 304

UGINOX TOP 304 is a high-quality stainless steel that is ideal for roof drainage systems. With its excellent corrosion resistance and durability, this material offers reliable protection against the weather and contributes to the long-term functionality of the roof drainage system. The matt surface gives the gutters and downpipes a modern, aesthetic appearance that integrates seamlessly into various architectural styles. In addition, the material is easy to clean and only requires occasional cleaning to maintain its pristine appearance. For more properties and advantages, see "Stainless steel"

Density	Melting point	Length change at 100 K
7.9 kg/dm ³	≈ 1500 °C	1.6 mm/m

According to DIN EN 10088-1

● ALUMINIUM

Aluminium is a versatile and lightweight material that is ideal for roof drainage systems. It impresses with its high corrosion resistance, which can be further enhanced by a special surface treatment. As a result, aluminium remains durable and functional even in adverse weather conditions. The surface of aluminium can be available in different colours and surface textures, allowing aesthetic adaptation to different architectural styles. Aluminium is also extremely easy to clean and only requires occasional cleaning to maintain its attractive appearance.

- Natural material
- Low weight
- High stability
- Easy to use
- High elasticity and excellent formability
- Cost-effective
- Almost infinite colour options thanks to surface finishing (coating or anodising)
- Complex constructions possible with welding, soldering, riveting or gluing
- Durable and rot-proof
- Shatter-proof

Density	Melting point	Length change at 100 K
2.70 kg/dm ³	659 °C	2.4 mm/m

According to DIN EN 485

GENERAL TERMS AND CONDITIONS OF SALE OF GRÖMO GMBH & CO. KG

Valid since 01.01.2025

1. Scope, general points

1.1. Our General Terms and Conditions for sales (GTC) apply to all our business relationships with our customers where these are enterprises (§ 14 of the German Civil Code - BGB), legal entities of public law institutions or special asset funds under public law within the meaning of § 310 Chapter 1 BGB. They apply to the sale of movable items (goods) by us, regardless if the goods were manufactured by ourselves or procured from suppliers.

1.2. Our GTC apply exclusively to all business transactions between our customers and ourselves. We will not recognise General Terms and Conditions of the customer which contradict or deviate from our GTC unless we have expressly agreed, at least in text form, to their validity. Our GTC will also apply if we should perform without reservation for the customer even though we are aware of General Terms and Conditions of the customer which contradict or deviate from our GTC.

1.3. Unless otherwise agreed, our GTC in the version in force at the time of the order will apply as a framework agreement for future equivalent contracts without any requirement on our part to refer to them in every individual case.

1.4. Individual agreements made with the customer in individual cases (including collateral agreements, supplements and amendments) will in any case take precedence over these GTC. Subject to proof to the contrary, the content of such agreements will be governed by a contract, at least in text form, or by our confirmation, which must at least be in text form.

2. Conclusion of contract, trademarks, logos

2.1. Our offers are subject to confirmation and non-binding. This shall also apply if we have provided the customer with catalogues, technical documentation (e.g. drawings, plans, calculations, costings) and product descriptions or documents in any form whatsoever to which we reserve ownership rights and copyrights.

2.2. The order of the goods by the customer represents a binding contractual offer to which the customer is bound for 3 calendar weeks. The purchase contract will become effective only after we have sent an order confirmation in text form. The shipping of the goods or dispatch of the invoice will have the same legal effect in this regard as the dispatch of the order confirmation.

2.3. The use of our brand names, logos or photos and representations of Grömo products on the Internet or in other electronic or digital communication networks or in the form of television or radio transmissions or in print media requires an additional agreement with us concerning such use, at least in text form.

3. Prices, price adjustment, minimum order value

3.1. The prices in the current price list apply. The previous price lists will cease to apply with the publication of a new price list. Should we make an offer pursuant to section 2.1 the prices shown therein will apply.

3.2. If more than 4 months should elapse between the conclusion of the contract and delivery, and the market prices for raw materials, particularly zinc, copper and aluminium, should increase or decrease in this period, our price lists will apply, taking into consideration the current market prices for raw materials at the point of delivery. If this should result in an increase in the current total price of 20% or more above the original total price, the customer will have the right to withdraw from the contract. This right must be exercised immediately, at least in text form, after notification of the price increase.

3.3. In the case of an order value of less than €200.00 net, an additional processing fee of €30.00 net will be charged.

3.4. All prices are quoted "ex works" Marktoberdorf (EXW according to Incoterms 2020).

3.5. VAT at the statutory rate is not included in our prices. It will instead be shown separately on the invoice at the rate in force on the invoice date.

4. Delivery deadlines, impediments to delivery, urgent deliveries, partial deliveries, returning loaned pallets and packaging

4.1. Delivery is "ex works" Marktoberdorf (EXW according to Incoterms 2020). At the request and expense of the customer, we will ship the parts to another destination (sale by delivery to a place other than the place of destination). Unless otherwise agreed, we will be entitled to determine for ourselves the method of despatch (in particular the transport company, despatch route, packaging). A transport insurance policy can be concluded at the customer's request and expense.

4.2. Unless the delivery is to be carried out immediately, the delivery deadline will be announced in the order confirmation in accordance with clause 2.1. Should the customer be required to collaborate with us, the delivery period will not begin until the customer has fulfilled its obligations.

4.3. If a binding delivery date has been agreed, this deadline will be extended appropriately in the event of force majeure of any kind and of disruption to operations, traffic or dispatch, fire dam-

age, floods, shortages of labour, energy, raw materials or auxiliary materials, lawful strikes and official decrees for which we cannot assume liability, or any other events for which we cannot assume liability which may impair, delay, prevent or render unreasonable production, dispatch or consumption. In such cases, we will inform the customer immediately and, at the same time, provide a new anticipated delivery date. If the disruption should cause the delivery to be delayed by more than eight weeks, both parties will be entitled to withdraw from the contract. We will immediately reimburse the customer for any consideration previously paid by it.

Other reasons for which we are not responsible within the meaning of the previous section include the failure on the part of our suppliers to deliver to us on time.

4.4. Express shipments will be made only if expressly requested by the customer, who will bear the costs of said shipments. This also applies to all other types of shipping expressly requested by the customer.

4.5. We are entitled to dispatch partial shipments. Any subsequent shipments will be sent carriage-free and without charge for packaging materials.

4.6. Loaned pallets will be taken back free of charge by the commissioned haulage companies. The disposal of packaging material will be carried out by INTERSEROH Dienstleistungs GmbH. This company assumes responsibility on our behalf in Germany and Austria for the sorting and marketing of packaging for the purpose of recycling pursuant to statutory packaging laws.

5. Warranty, complaints, planning services and returns

5.1. In the event of material defects and defects of title (including wrong and short delivery as well as improper assembly or faulty assembly instructions), the rights of the customer will be governed by the statutory provisions, unless otherwise stipulated below: In all cases, the special statutory provisions on the sale of consumer goods (§§ 474 ff BGB) and the customer's rights arising from separately issued guarantees remain unaffected.

5.2. The basis of our liability for defects is above all the agreement reached on the quality of the goods. All product descriptions and details which are the subject of the individual contract or which were made public by us (in particular in catalogues or on our Internet homepage) at the time of the conclusion of the contract will be deemed to be an agreement on the quality of the goods.

Insofar as the quality has not been agreed, the legal regulation will be used to assess whether or not a defect exists (§ 434 (3) BGB). However, we do not assume any liability for public statements made by the manufacturer or other third parties (e.g. advertising statements) which the customer has not pointed out to us as being decisive for its purchase.

5.3. Subject to clause 5.4., the customer's claims for defects presuppose that it has complied with its statutory obligations to inspect and give notice of defects (§§ 377, 381 HGB). Complaints on the grounds of recognisable defects, incorrect shipments or deviations from the agreed quantity must be reported to us immediately, at least in text form, and, at the latest, within fourteen calendar days of receipt of the goods. In the case of building materials and other goods intended for installation or further processing of some other kind, an inspection must always be carried out immediately prior to such installation or further processing. Concealed defects must be reported to us immediately, at least in text form, within fourteen calendar days of their discovery. If the customer should fail to properly inspect the goods and/or give notice of defects, our liability for any defect which has not been reported at all or in a timely manner or in the due form will be excluded in accordance with the statutory provisions. In the case of goods intended for assembly, mounting or installation, this shall also apply if the defect only became apparent after the corresponding processing as a result of the breach of one of these obligations; in this case, in particular, the customer shall have no claims for reimbursement of corresponding costs ("removal and installation costs"). Clause 5.5 remains unaffected.

5.4. For special productions, the customer must declare acceptance to us, at least in text form, immediately after delivery; in such a case, section 5.3 will not apply. We reserve the right to set the customer a suitable deadline for acceptance. If it is not possible for the customer to adhere to this deadline for reasons for which it is not responsible, a suitable subsequent deadline must be set. Failure by the customer to accept the goods within the aforementioned deadlines will be deemed equivalent to acceptance. Acceptance cannot be refused on the grounds of insignificant defects, particularly industry-standard deviations in respect of colour, weight and quantity. Should the customer fail to complain at the point of acceptance, it will no longer be entitled to submit complaints concerning defects which would have been recognisable at the point of acceptance.

5.5. The customer is not permitted to further process, install or sell goods in respect of which a defect complaint has been submitted or goods which have not been accepted until the complaint has been clarified or acceptance has taken place. We must be given the opportunity to choose either to inspect the affected goods on site or to have them returned to us. Clause 5.3 remains unaffected.

5.6. Excluded from warranty are any defects/damage resulting from normal wear and tear, improper handling or use, misuse, faulty assembly or repair. The same applies to defects which only negligibly reduce the value of the goods or impair their suitability for use. In particular, tolerances customary in the industry, deviations in colour, weight and quantity as well as the consequences of natural weather influences do not constitute a defect. If we carry out planning or calculation services at the customer's request, especially for gutters, or make recommendations or offer advice, these will be non-binding and subject to correction. These must in any case be verified by an expert (architect, engineer, etc.).

Furthermore, we are generally not liable for defects that the customer is aware of or is grossly negligent in not being aware of when the contract is concluded (§ 442 BGB).

5.7. In the event of justified and timely complaints, we will, at our discretion, either remedy the defect (rectification of defects) or deliver a defect-free item (replacement delivery) within the scope of subsequent performance. Subsequent performance does not include the dismantling, removal or disassembly of the defective item or the installation, attachment or assembly of a defect-free item if we were not originally obliged to perform these services; the customer's claims for reimbursement of corresponding costs ("dismantling and assembly costs") remain unaffected, subject to other provisions in these GTC (in particular 5.3). Our right to refuse subsequent fulfilment under the statutory conditions remains unaffected.

5.8. The customer must give us the time and opportunity necessary for the subsequent performance owed and, in particular, hand over the rejected goods for inspection purposes. In the event of a replacement delivery, the customer must return the defective item to us in accordance with the statutory provisions.

5.9. If a customer actually has a claim for defects, we will, in accordance with the statutory provisions, bear or reimburse the costs necessary for the purpose of inspection and subsequent performance, in particular transport, travel, labour and material costs as well as any dismantling and installation costs. Otherwise, we will be entitled to claim from the customer compensation for any costs arising from the unjustified request to remedy the defect (in particular inspection and transport costs), unless the absence of a defect was not apparent to the customer. 5.7. sentence 2 remains unaffected.

5.10. If subsequent performance should fail or a reasonable period to be set by the customer for subsequent performance expire fruitlessly or not be mandatory pursuant to the statutory provisions, the customer may withdraw from the contract or reduce the purchase price. In the case of an insignificant defect (cf. section 5.6.), however, there is no right of withdrawal.

5.11. Claims of the customer for reimbursement of expenses in accordance with § 445a (1) BGB are excluded, unless it is a sale of consumer goods (§§ 478, 474 BGB). Claims of the customer for damages or reimbursement of futile expenses (§ 284 BGB) shall only exist in accordance with the following clause 6, even in the event of defects in the goods.

5.12. Warranty claims expire in five years; for specially marked products, the date of expiry is 12 months from receipt or acceptance of the goods.

5.13. The return of goods must be coordinated with us in advance for the purpose of efficient handling. Freight collect shipments and shipments of which we have not been notified in advance and to which we have not agreed will not be accepted.

6. Liability

6.1. Unless otherwise stated in these GTC and the following provisions, we shall only be liable for damages, irrespective of the legal grounds, in the event of wilful intent or gross negligence, including wilful intent or gross negligence on the part of our representatives or vicarious agents.

6.2. However, we will be liable in accordance with the statutory provisions if we culpably violate an essential contractual obligation (an obligation whose fulfilment makes the proper execution of the contract possible in the first place and on whose compliance the contractual partner regularly relies and should be able to rely); in this case, however, the liability for damages will be limited to the foreseeable, typically occurring damage.

6.3. Liability for culpable damage to life, limb and health is unaffected in all cases; the same applies also to mandatory liability pursuant to the German Product Liability Act and to the extent that a defect was maliciously concealed or a warranty offered for the condition of the goods.

7. Payment, offset payments, right of retention, interest

7.1. In principal, payment is due immediately upon receipt of the invoice without any deductions. We reserve the right initially to require payment in advance or COD for shipments to unknown customers.

7.2. Payment by cheque is conditionally acceptable subject to the successful redemption thereof. Bills of exchange are not acceptable as means of payment.

7.3. The customer may offset payments to us against receivables owed to it only in the case of undisputed debts or debts which have been upheld by a final and absolute court ruling or in whose case a ruling is expected imminently. The same applies to the customer's right of retention. The reciprocal rights of the buyer in the event of defects to the goods are unaffected.

7.4. Late payment by the customer will entitle us in accordance with § 247 BGB to charge default interest in the amount of 9 % above the applicable base rate.

8. Retention of title

8.1. Items purchased will remain our property until all payments arising from the business relationship between Grömo GmbH & Co. KG and the customer have been received.

8.2. In the event of a breach of contract by the customer, especially default on payment, and after having set a reasonable deadline for payment, we will be entitled to take back the goods subject to retention of title. Taking back the goods will constitute our withdrawal from the contract. After the recovery of the goods, we will be permitted to dispose thereof, and the proceeds resulting

from that disposal, less reasonable disposal expenses, will be offset against the customer's liability. The expense involved in returning the goods to us will be borne by the customer.

8.3. The customer must handle with care the goods subject to retention of title. It must sufficiently insure said goods at replacement value against fire and water damage and theft.

8.4. The customer has the right to resell the goods subject to retention of title in the course of its normal business activities, provided that it meets the obligations arising out of the business relationship with us in due time. However, it may not pledge the goods subject to retention of title or assign them by way of security.

The customer hereby assigns to us here and now all of its claims and rights arising from the resale of the goods subject to retention of title, as well as those claims of the customer with respect to the goods subject to retention of title which may for other legal reasons be asserted against its own customers or third parties (especially claims from unauthorised actions or for insurance payments), including all balance claims from current accounts. We hereby accept the assignment. The customer may on its own account and in its own name collect for us the receivables assigned to us until such time as we revoke its authorisation to do so.

Our right to collect these receivables ourselves is not affected by this; however, we will not assert the claims ourselves or revoke the direct debit authorisation as long as the customer duly meets its payment obligations. However, if the customer acts in breach of contract, we can require it to inform us of the assigned claims and the respective debtors, to notify the respective debtors of the assignment and to hand over to us all documents and provide us with all the information we need to assert the claims.

8.5. In the event of seizure of the goods subject to retention of title or other actions by third parties, the customer must inform those third parties of our ownership of those goods and notify us immediately, at least in text form, so that we can enforce our rights of ownership. Should the third party not be capable of reimbursing us for the court or out-of-court costs incurred in this context, the customer will be liable for any losses we sustain.

8.6. We hereby commit at the request of the customer to releasing the collateral due to us pursuant to the above provisions as and when the realisable value of the collateral held by us exceeds that of the receivables to be secured by more than 10%. The choice over the collateral to be released remains with us.

9. Place of fulfilment, place of jurisdiction, contractual language, partial invalidity

9.1. The place of fulfilment for all duties resulting from the contractual relationship is Marktoberdorf.

9.2. If the customer is a merchant within the meaning of the German Commercial Code, a legal entity under public law or a special asset fund under public law, the exclusive and international place of jurisdiction is Marktoberdorf, where our headquarters are located, for all disputes resulting directly or indirectly from the contractual relationship. We also have the right to open proceedings at the place of general jurisdiction of the customer. Overriding statutory provisions, in particular regarding exclusive responsibilities, remain unaffected.

9.3. The law of the Federal Republic of Germany applies. German international private law and the UN Convention on Contracts for the International Sale of Goods (CISG) are excluded.

9.4. Even if the customer is in possession of a non-binding translation of these GTC into another language, the German version alone will be authoritative.

9.5. Should the customer supply us with data related to persons, the data required to process the business transaction will be collected, processed, stored and passed on to other affiliated companies in the context of order processing and, if necessary, to partner and service companies. With regard to the detailed rules for processing data, we refer to our data protection regulations at www.groemo.com/de/footer/datenschutz.

9.6. If individual provisions of these GTC or the business transaction should be or become invalid, the remainder of the provisions will be unaffected. Any invalid provision is to be replaced by that valid and permissible provision which most closely corresponds with the invalid provision in terms of its meaning and purpose.

Grömo GmbH & Co. KG
Johann-Georg-Fendt-Strasse 38
D-87616 Marktoberdorf, Germany

INDEX

A

Adapter cone.....	76
Adjustable outlet	47
Antenna socket	104
Articulated elbow	63

B

Balcony branch.....	74
Baseplate	83
Bead	85
Bead trim.....	37
Blind rivet.....	91
- for LED mounting bracket	91

C

Chimney feet.....	109
Chimney flashing	110
Chimney hood	109
Connecting sleeve.....	90
- for LED downpipe lighting	90
- for LED downpipe lighting	90
Connection cable	91
- for LED downpipe lighting	91
Connection sleeve.....	77
Connector	101
- to plastic pipe	101
Cornice box gutter.....	47
- for cornice box gutter	47
Cover	90
- for LED downpipe lighting	90

D

Diagonal outlet for eaves	44
Downpipe bracket.....	90
- for LED downpipe lighting	90
Downpipe branch	74
Downpipe lighting.....	90
Downpipe stopgap.....	85

E

Elbow	61
Extension.....	110
- for chimney flashing	110
Extension/Widening	111

F

Fan.....	104
Fascia bracket	38
Flat-roof branch.....	72
Flat roof hopper.....	49

G

Gutter connector	38
Gutter corner	29
Gutter end cap	33
Gutter expander	37
Gutter extension	48
Gutter hooks.....	29
Gutter quarter sphere	35

H

Halfbead.....	85
Hanger bolt	83
Hopper.....	49
- conical.....	56
- Design.....	53
- Flat roof.....	49
- Flat roof cubic	49
- Flat roof design	53
- Flat roof half round	51
- Flat roof small	49
- flush	56
- Funnel shape.....	57
- hexagonal.....	56
- Interior corner	56
- long	55
- round	57
- square	55
- stabilised.....	55

L

Leaf catcher	71
Leaf sieve	38
Leaf trap.....	72
LED downpipe lighting	90
Linear light	90
-for LED downpipe lighting	90

M

Mounting bracket.....	91
- for LED downpipe lighting	91

O

Oberstdorfer outlet	45
Odour trap	72
Outlet spout	47
Outlet vent	105
Overhang plug-in frame	111

P

Pigeon guard	107
Pipe bracket	81
Pipe branch	74
Pipe connector	77
Pipe corner elbow	62
Pipe elbow	61
Plug-in gutter end cap.....	33
Plug-in gutter outlet.....	43

R

Rain barrel.....	71
Rainwater pipe flap	66
Rainwater standpipe.....	94
Reducer	76
Ridge joint.....	110
Ring bolt	83
Rooftop gutter end cap	35

S

Sealing element.....	100
Silicone protective cap	91
- for LED downpipe lighting	91
Sliding sleeve.....	76
SML cast-iron pipe bracket.....	101
Soldering outlet	45
SPI pipe bracket plug	85
Square pipe elbow	63
Standpipe	94
- GRÖMO	94
- square	99
- Standard.....	97

Standpipe bracket 100

Standpipe cap 78

STG pipe bracket support 85

Stud cap 106

Swan neck..... 63

T

Thermo stop 83

TPE-Seal 57

V

Vent cap 106

Ventilator ridge unit..... 106

W

Water collector 69

Water distributor 71

Watertight inflow 57

IN GOOD SHAPE

* DUOFALZ sheet metal strips and cut plates

SURFACE	TX/SX
● Anthracite (RAL 7016)	
● Jet black (-RAL 9005)	
● Dark grey (-DB 703)	
● Grey aluminium (-RAL 9007)	
● Light grey (-RAL 7005)	
● Silver metallic (-RAL 9006)	
○ White (-RAL 9002)	
● Testa di Moro (-RAL 8019)	
● Moss green (RAL 6005)	
● Brick red (-RAL 8004)	
● Oxide red (RAL 3009)	

FRONT

TX coating, 30 µm

BACK

Same colour SX coating, 25 µm

CARRIER MATERIAL

Aluminium 0.7 mm



The DUOFALZ aluminium sheet metal strips and cut plates have been specially developed for use on roofs and facades. Alloying, coating and elasticity are optimised for use in sheet metal technology and guarantee the best possible processing results.

DUOFALZ can be used on both sides and combines the two surfaces, SX and TX, in one product. DUOFALZ thus offers the greatest possible flexibility as well as a wide range of applications!



HIGHLY FLEXIBLE



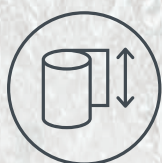
**EXTREMELY
WEATHER-RESISTANT**



LIGHTWEIGHT



EASY PROCESSING



STRIP WIDTH
500, 650, 1000 mm



SHEET SIZES
1000 x 2000/3000 mm



MATERIAL QUALITY
EN AW 3005 H41 (fold quality)



WEIGHT
1,89 kg/m²

Detailed warranty conditions can be found on our website at www.groemo.com.



ALU 
STAR

GRÖMO



INSPIRED BY NATURE

* The coloured aluminium roof drainage system

Nature in the Allgäu inspires us to great creative freedom. With GRÖMO ALUSTAR, you can choose between eight beautiful natural colours or an additional 206 RAL custom colours. The surfaces are matt textured or silk gloss. GRÖMO ALUSTAR features the highest quality and accuracy of fit; it is durable and lightweight.

