



BUDA FER
GYÁRTÓ ÉS KERESKEDŐ KFT



GUTTER SYSTEM Accessories

Budafer Gyártó és Kereskedő Kft. was founded in 1991 and has been a successful company right from its very first business year.

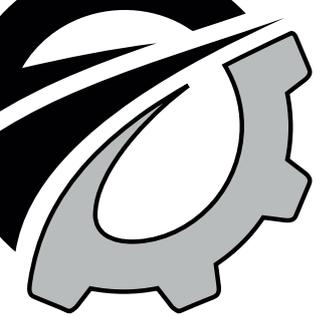
After a structural change in 2019 we took a new, innovative direction, and now we serve our customers from our Budaörs office and Csepel depot. Our goal is to grow further and become a determining player on the domestic specialised steel products market.

To supplement steel trade in 2019 we started to broaden our scope of activity by adding the manufacturing and sale of tinsmith and metal fastening products, as well as expanding related services. By now our tower crane rental business has also become a significant participant in the local building machinery market.

Currently we serve our customers on several business areas with excellence, and we aim to fully satisfy the requirements of our future partners as well.

Service to our customers is guaranteed by our thorough knowledge of the industry and the expert professional skills of our employees.





T I N S M I T H P R O D U C T S

The key to the success of our tinsmith industrial activity and our vision for the future

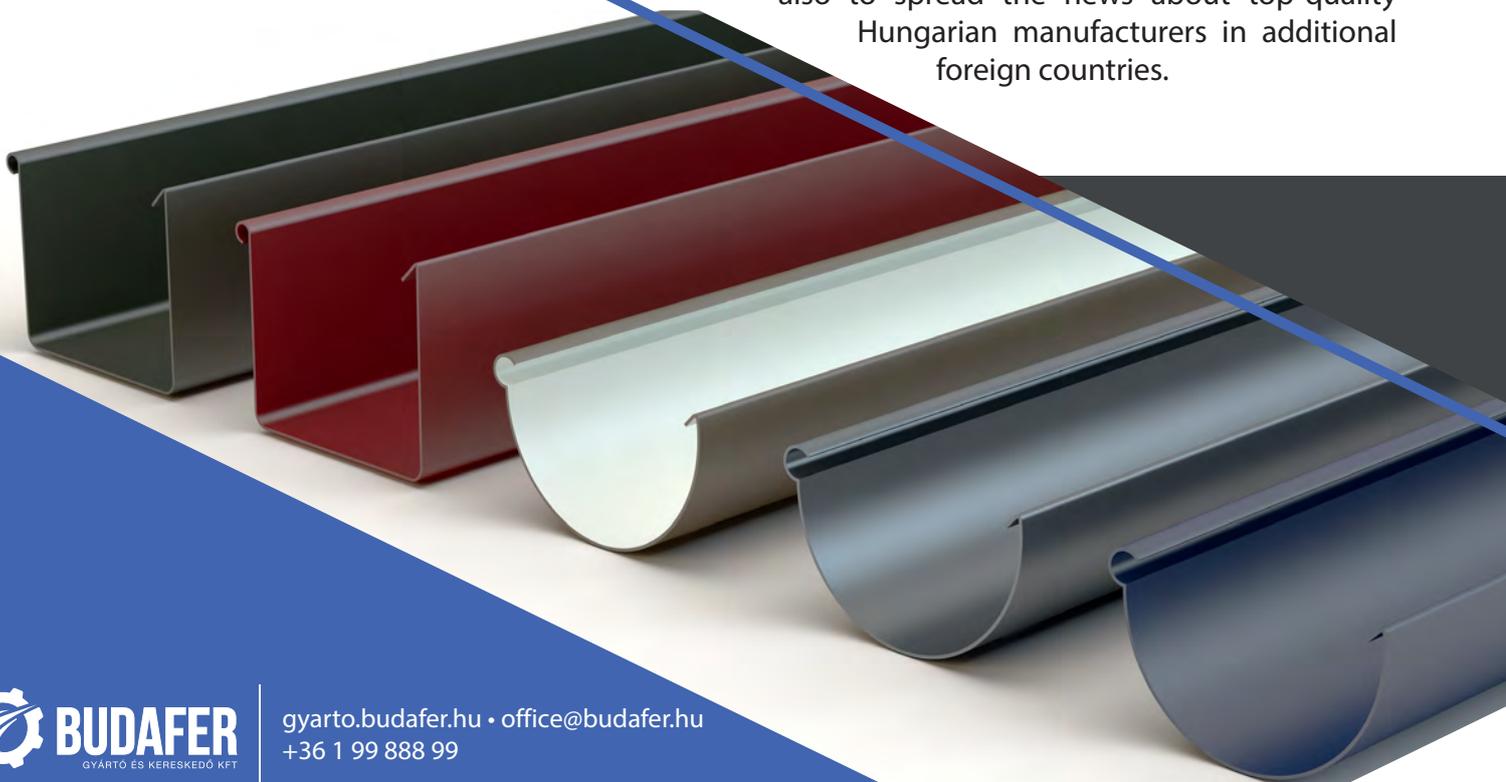
The manufacturing unit in Dombóvár has been operating for nearly 30 years. The main profile of the plant is the production of specialised binding bolts and rivets, the customer base of which were mainly industrial manufacturers and merchants of tinsmith products. In the meantime Budafer Gyártó és Kereskedő Kft., as a steel merchant, has become the supplier of several manufacturers operating on this area. As a result we gradually gained better insight into the market and the driving force behind, furthermore, the increase in demand following the economic crisis has placed an ever-increasing demand and requirement on us, both in terms of increasing capacity and quality.

At the beginning of 2018 we decided to get ahead of the market via the new production technology developed by us. Previously successful manufacturers were fundamentally small businesses with so-to-say outdated technologies. Through our innovative solution coupled with state-of-the art, automated production line we are capable of high-volume and size-accurate mass production.

Our current focus, following the installation of our automated riveter and automated bending machinery, is to install another automated bending equipment in the production line, thereby increasing our output volume and activate our new improvements that are crucial for our entry to foreign markets.

What we are exceptionally proud of is that all parts of our brackets and gutter hooks are made in our Dombóvár plant, so, apart from the raw materials, we acquire no external products for the manufacturing of our own products. This grants several business benefits to us, and also provides the necessary flexibility in product development.

Our goal for 2021 is to enter new markets in addition to the German and Austrian markets to counterbalance the expected fluctuation of the domestic market, and also to spread the news about top-quality Hungarian manufacturers in additional foreign countries.



TINSMITH PRODUCTS
DIRECTLY FROM THE MANUFACTURER



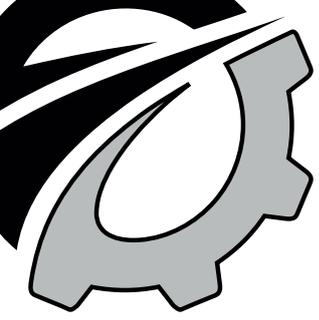
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TÜV Rheinland InterCert





T I N S M I T H P R O D U C T S

Edging is an essential part of the roof. For sheet metal edging, materials applied shall be protected against the damaging effect of other materials in contact with them or the roof runoff water.

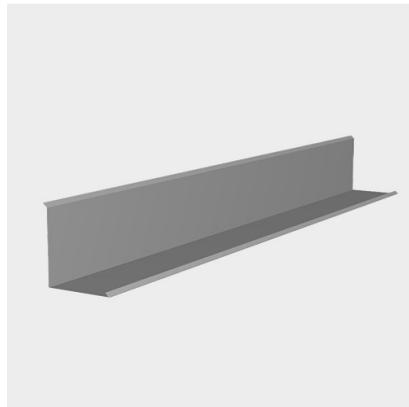
Of all the plate types we sell, we also produce flashing product versions.

In addition to roofing, we offer bending of any flashing products in custom sizes and customized production, based on any kind of drawing. We offer production in specific quantities, or, on request, in series.

We produce and/or install edging, valley gutter, wall edging, corner edging and edging of connection points of sandwich panel covered halls, doors and windows.



Gable Trim



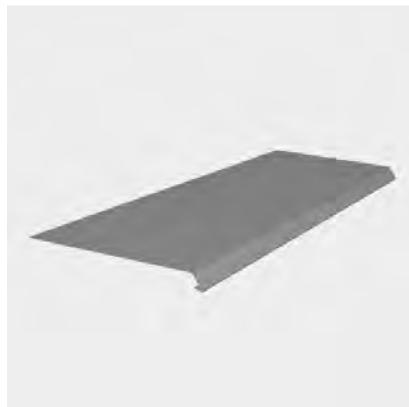
Wall Edge



Flashing Products / Valley Gutters



Chimney Surround Front



Eaves Board / Drip Edge



Chimney Surround Back



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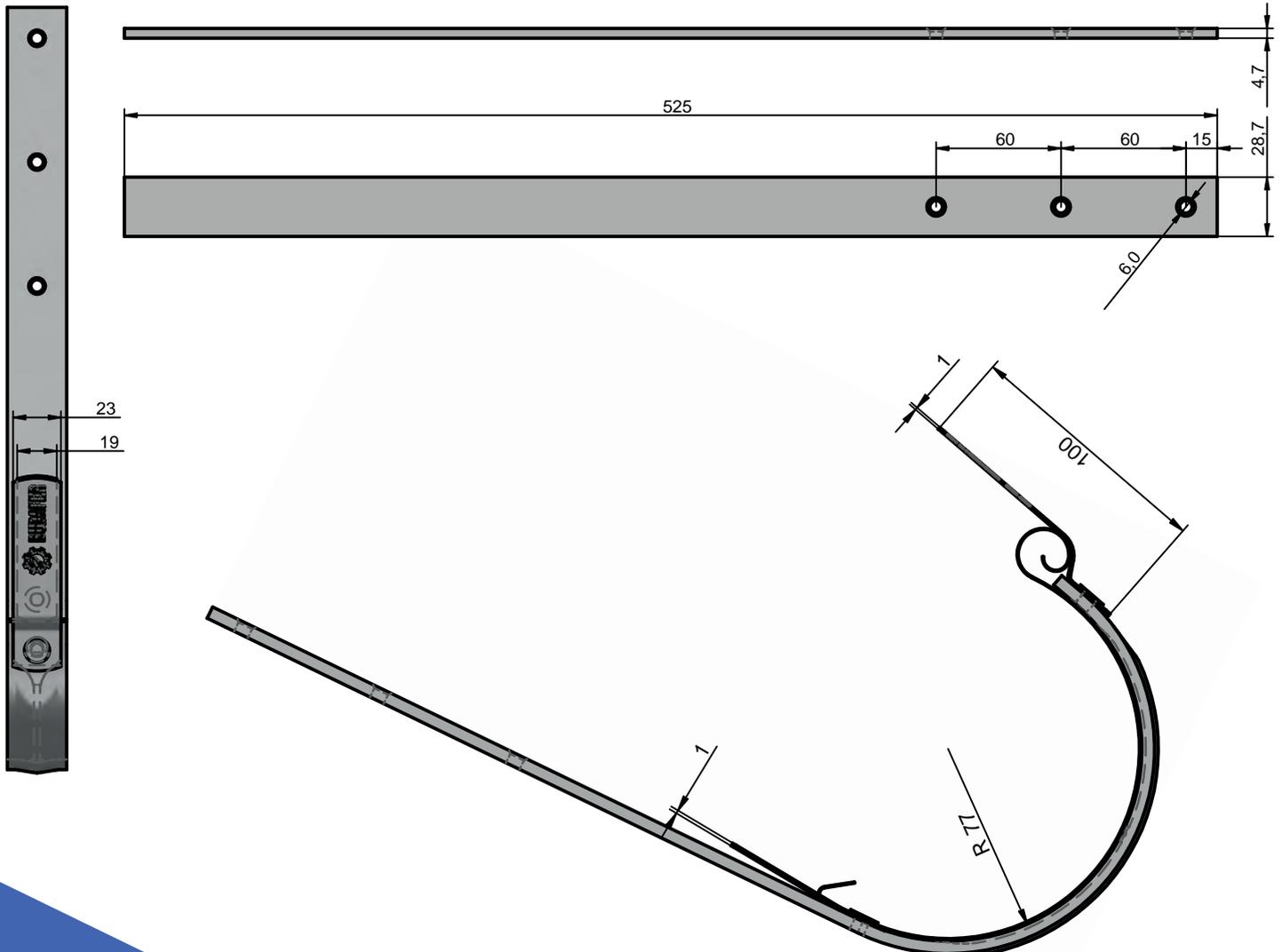


GUTTER HOOK - OUTER RIM Catalog

Gutter hooks hot-dip galvanized

Gutter hooks:	hot-rolled steel strip S235 JR , hot-dip galvanized (corrosion protection class A)
Feather:	steel sheet DX51D Z275 according to EN 10142, hot-dip galvanized
Tox rivet:	special TOX solution without rivet

Example: 6 part Gutter brackt with 2 Springs for semicircular gutter





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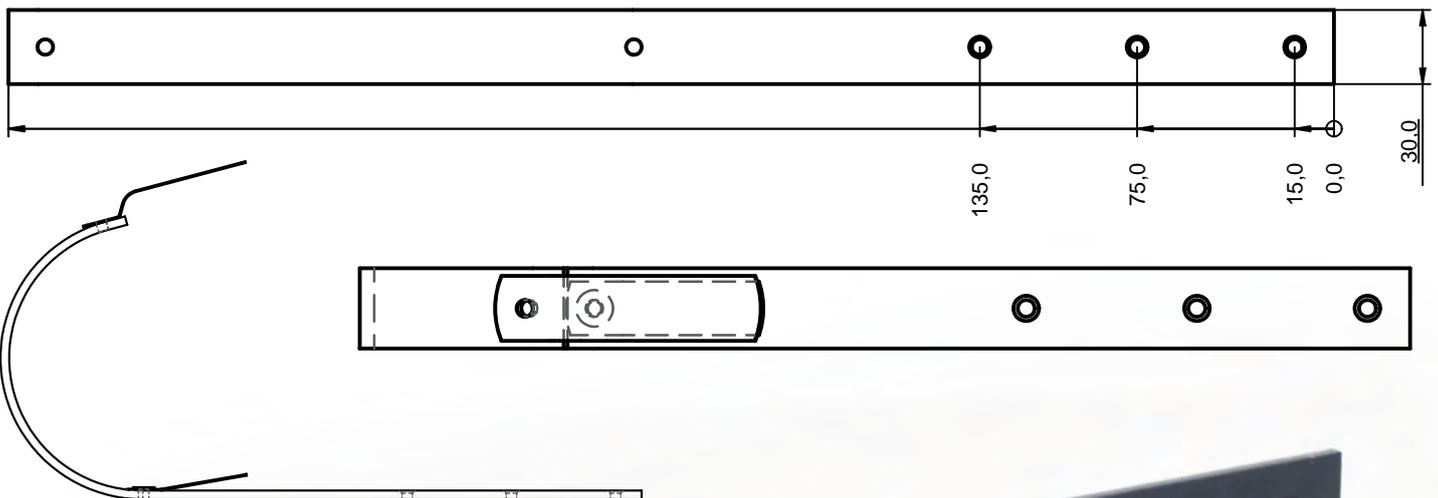
DIRECTLY FROM THE MANUFACTURER

DATA SHEET

Gutter hook outer rim according to Standard
and technical regulations compliant

Gutter hook outer rim round shape

Nr.	Product name	Length (mm)	Raw material size (mm)
1.	Gutter hooks short 250-25/4	405	25x4
2.	Gutter hooks long 250-25/5+5	440	24x5
3.	Gutter hooks short 280-30/5	425	28,5-30x5
4.	Gutter hooks long 280-30/5+5	480	28,5-30x5
5.	Gutter hooks short 333-30/5	475	28,5-30x5
6.	Gutter hooks long 333-30/5+5	525	28,5-30x5
7.	Gutter hooks short 400-30/5	555	28,5-30x5
8.	Gutter hooks long 400-30/5+5	615	28,5-30x5



Note on corrosion protection:

Corrosion protection **class A** is required in the technical rules for Germany – a classification that is no longer used today. Behind this is hot-dip galvanizing according to **EN ISO 1461**.

This raises a problem, however, because according to this standard, bending and reshaping after hot-dip galvanizing is not part of the usual use, as subsequent deformation (caused by the layer thickness) will damage the hot-dip galvanizing.

But: bending the gutter hook and the springs is part of normal use ... a contradiction between norm and application!

If the bend of the gutter hook on the shank can still be neglected because it lies in a protected area not exposed to the weather, the gutter hook springs require special attention. Because the front spring in particular is exposed to permanent weather. The springs must be flexible, which is why they are made from approximately 1 mm thick steel. Thinner steel material, however, also requires a thinner zinc coating, because the zinc thickness in particular can lead to hairline cracks, cracking, or in the worst case even flaking of the zinc layer when the springs are bent. In addition, the feather / gutter hook connection cannot be made in accordance with galvanizing-norm. This leads to non-galvanized areas between the spring and the holder, along with corresponding traces of corrosion.

In order to avoid these problems, springs made of stainless steel or continuously galvanized steel are retrofitted today – a solution that has been tried and tested in practice for many years

In a research assignment, the **Bergische Universität Wuppertal** came to the conclusion that continuously galvanized springs have a better corrosion protection than individually galvanized springs.

Continuous hot-dip galvanizing reacts much better to deformations (bending) and there are no more unprotected areas between the feather and the gutter hook.



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GUTTER HOOK - INNER RIM Catalog

Gutter hook hot dip galvanized

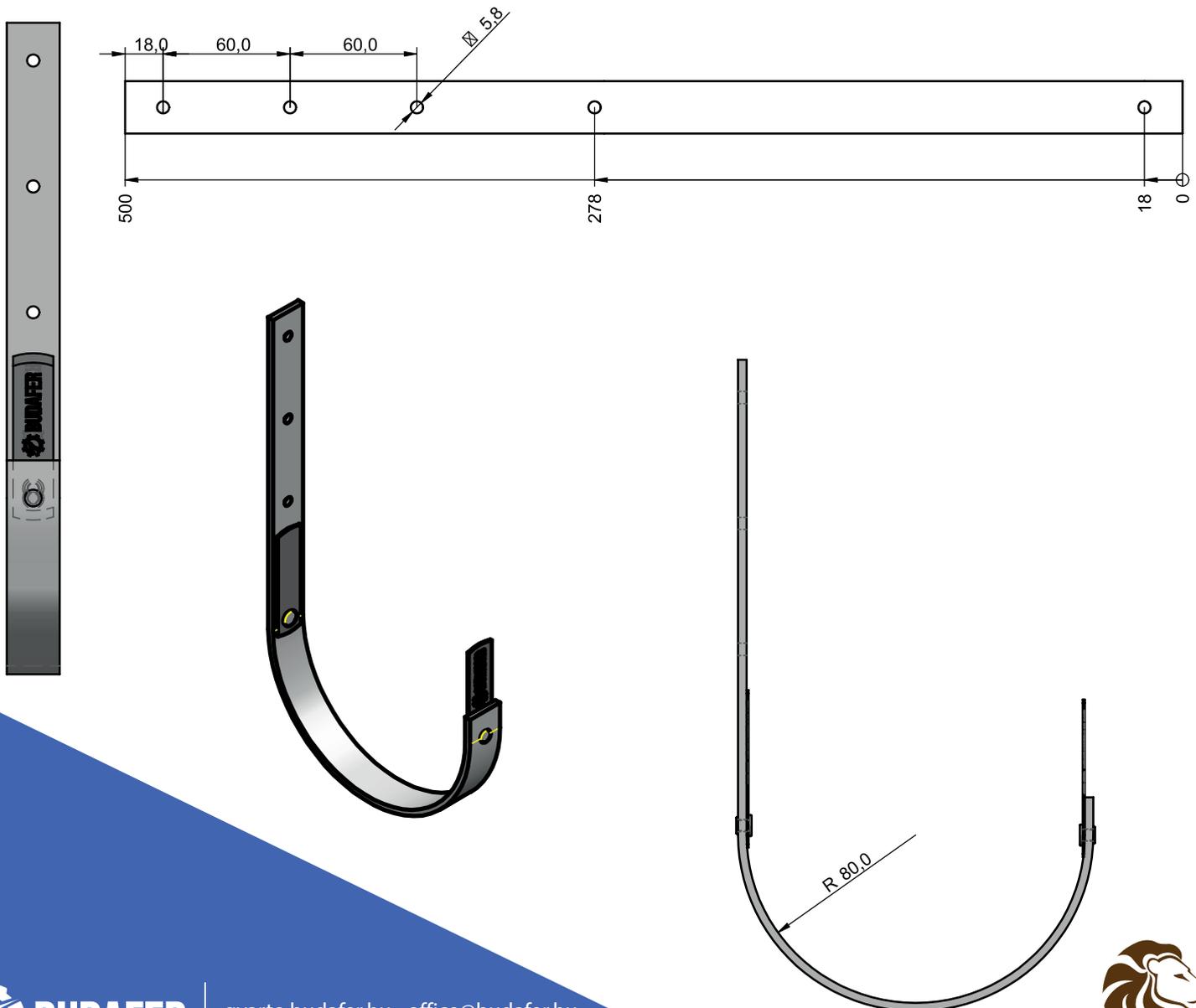
Gutter hooks: hot-rolled steel strip S235 JR , hot-dip galvanized (corrosion protection class A)

Feather: steel sheet DX51D Z275 according to EN 10142, hot-dip galvanized

Rivet: cylinder head rivet hot-dip galvanized

Gutter hook inner rim round shape

Nr.	Product name	Length (mm)	Raw material size (mm)
1.	Gutter hooks short 25/400	400	25x4
2.	Gutter hooks short 333/500	500	24x5
3.	Gutter hooks short 40/600	600	28,5-30x5



Note on corrosion protection:

Corrosion protection **class A** is required in the technical rules for Germany – a classification that is no longer used today. Behind this is hot-dip galvanizing according to **EN ISO 1461**.

This raises a problem, however, because according to this standard, bending and reshaping after hot-dip galvanizing is not part of the usual use, as subsequent deformation (caused by the layer thickness) will damage the hot-dip galvanizing.

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BRACKETS Catalog

Hot dip galvanized

Hot rolled steel strip (30 x 1,5): S235JR hot dip galvanized Z150 (corrosion protection class A with rounded edge)

M6 Nut bolt:

Galvanized steel

Ring screw:

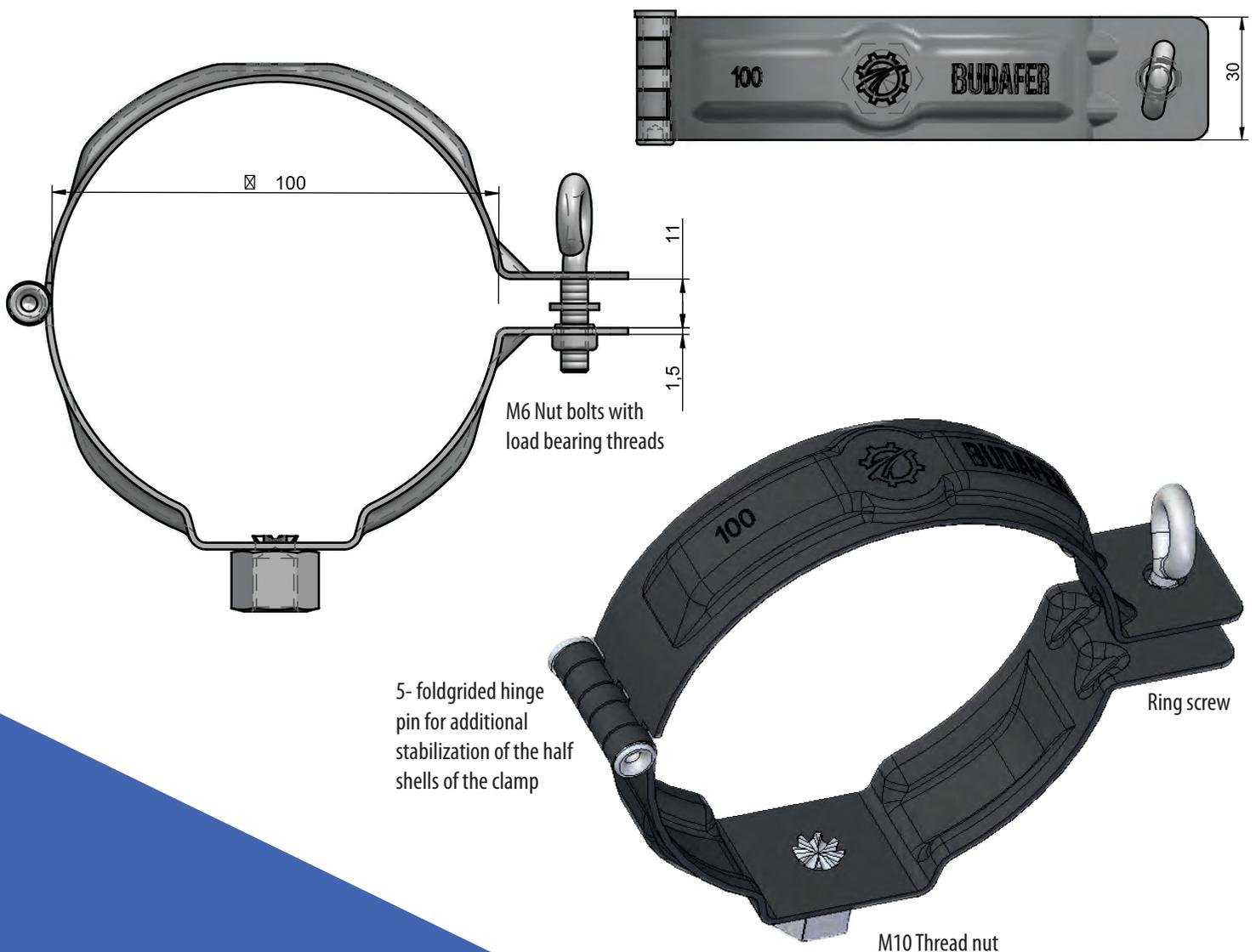
Stainless steel

M10 thread nut:

Galvanized steel

Hinge pin:

Aluminium



Hot dip galvanized

Hot rolled steel strip (30 x 1,5): S235JR hot dip galvanized Z150 (corrosion protection class A with rounded edge)

M6 Nut bolt:

Galvanized steel

Ring screw:

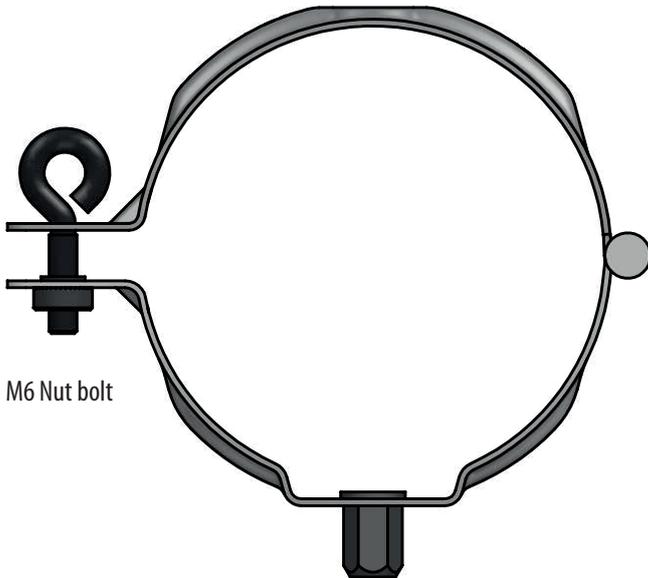
Galvanized steel

M8 thread nut:

Galvanized steel

Hinge pin:

Aluminium



M6 Nut bolt



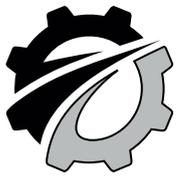
5- foldgrided hinge pin for additional stabilization of the half shells of the clamp



Ring screw

Hinge pin

M8 Thread nut



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DATA SHEET

STANDARD BRACKETS WITH M8 THREAD NUT

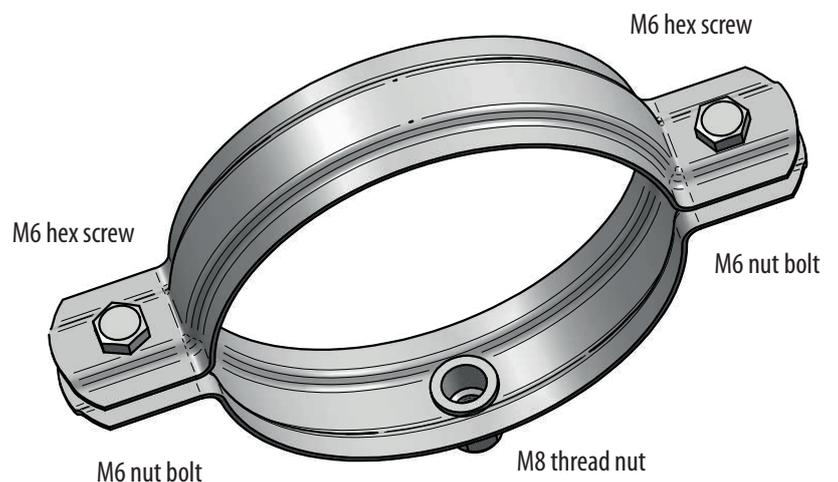
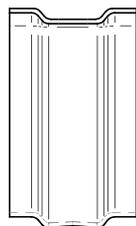
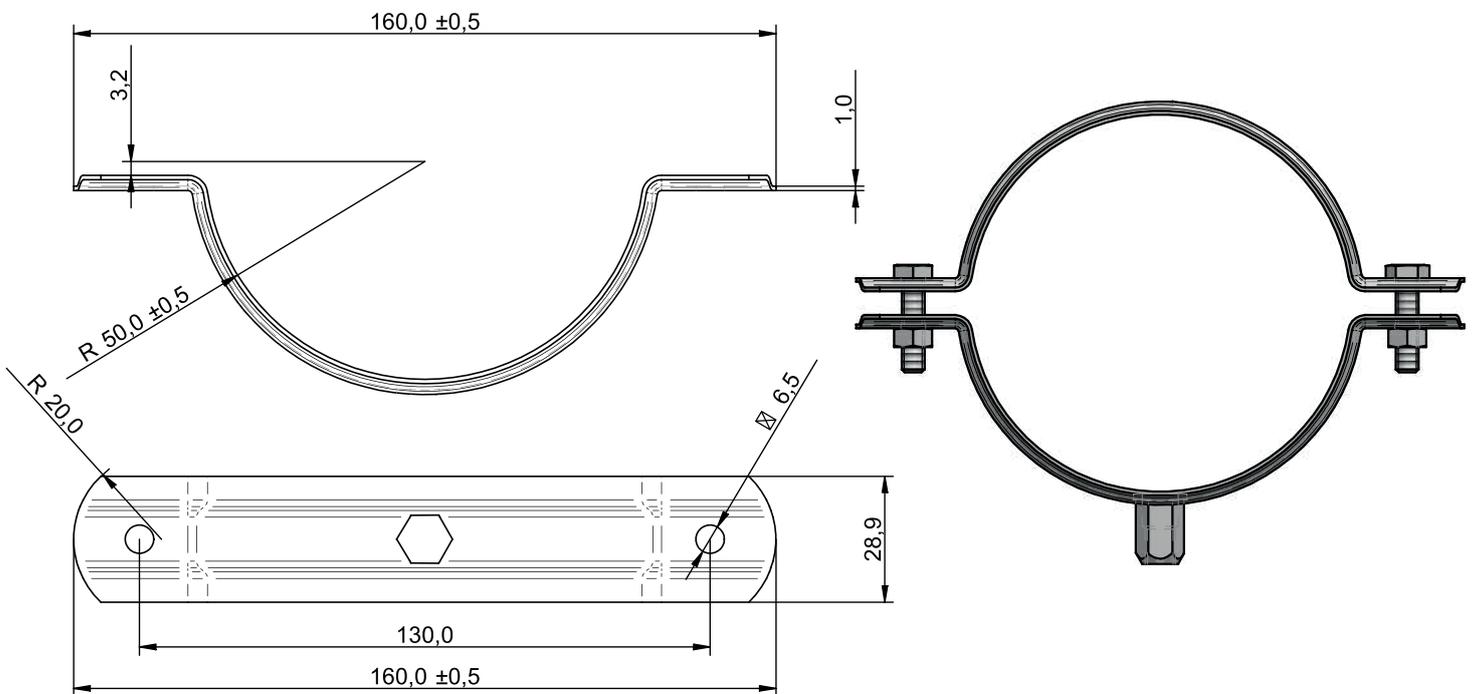
Hot dip galvanized

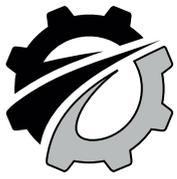
Hot rolled steel strip (30 x 1): S235JR hot dip galvanized Z150 (corrosion protection class A with rounded edge)

M6 nut bolt: Galvanized steel

Hex screw: Galvanized steel

M8 thread nut bolt: Galvanized steel





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