



ZENIT GUTTERS

**DESIGNED
BY ROOFERS**

The Zenit roof drainage system is very quick to assemble.

Patryk Klejna – roofer



METAL
HAZEM



ZENIT GUTTERS - DESIGNED BY ROOFERS

Experienced roofing masters were involved at every stage of the design process, resulting in the Zenit guttering system. By listening to their remarks and suggestions, we were able to create a reliable water drainage system that features rapid assembly. Its dependability is best summed up by the principle: assemble and forget.

APPLICATION

- residential buildings
- industrial & commercial buildings
- agricultural facilities
- new & refurbished buildings



FEATURES

40 year guarantee

Assemble and forget. Zenit is covered by our long-term warranty thanks to its polyurethane coating.

Rapid assembly

Just connect the elements and... it is ready! No additional sealing or modifying the components.

Higher flow capacity

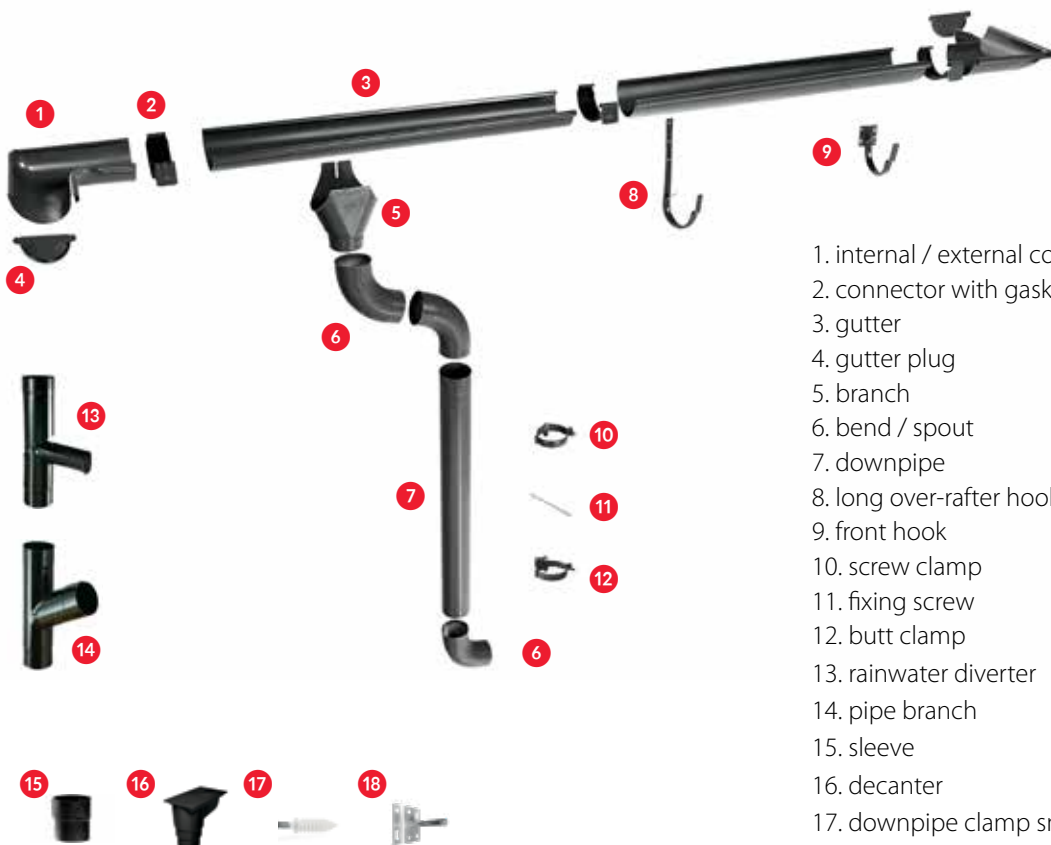
To increase the flow rate, Zenit gutters have a deep profile. This allows the gutter to drain more water from the roof than with traditional systems.

Resistance to corrosion

Zenit gutters cope easily with very high C4-class corrosion environments.



THE SYSTEM CONSISTS OF THE FOLLOWING COMPONENTS:



- 1. internal / external corner
- 2. connector with gasket
- 3. gutter
- 4. gutter plug
- 5. branch
- 6. bend / spout
- 7. downpipe
- 8. long over-rafter hook
- 9. front hook
- 10. screw clamp
- 11. fixing screw
- 12. butt clamp
- 13. rainwater diverter
- 14. pipe branch
- 15. sleeve
- 16. decanter
- 17. downpipe clamp snail
- 18. metal plate for the downpipe clamp

1

INTERNAL/ EXTERNAL CORNER

The corner allows the connection of two gutters at the corner of a building. The uniform shape ensures construction integrity and a perfect fit. Thanks to the edge curl, the corners fully connect to the other system components, forming a fully sealed unit.

Package contains	Size
10 pcs	28 (127 mm)
10 pcs	33 (153 mm)



2

CONNECTION WITH GASKET

Wide EPDM gasket to ensure high durability. We include as many as 12 barbs to ensure full sealing, even during the heaviest of downpours. Easy assembly is ensured by the click system, which allows assembly with a single hand.

Package contains	Size
30 pcs	28 (127 mm)
30 pcs	33 (153 mm)

3 GUTTER

The gutter is the key element, and not just because the whole system derives its name from it. Our task was to guarantee a seal at the most crucial location: where two gutters connect. To achieve this we added the curl, which plays the role of a lock. This solution reinforces how the connectors function, so reducing the chance of any leaks.

Size	Length	Pallet contains
28 (127 mm)	4 mb	210 pcs
33 (153 mm)	4 mb	150 pcs



The large size prevents the rainwater from overflowing.



4 GUTTER PLUG

The sealfree click system reduces the assembly time needed, even halving it. This innovative solution has never been used by other guttering manufacturers. With the gutter plug, assembly is fast and easy, without the need for extra sealant. Assemble and forget - just like that.

Package contains	Size
40 pcs	28 (127 mm)
30 pcs	33 (153 mm)

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5 BRANCH

Also known as a discharge spout, this connects the gutter and downpipe. This is a critical component, through which all the rainwater flows. We realised that we needed to make the branch both highly resilient and corrosion resistant. The double-side galvanised steel that we use guarantees long-term, worry-free maintenance. To improve the aesthetic aspect, we make it from a single sheet and hide the seam around the back.

Package contains	Size (length)
20 pcs	28 (127 mm)/100
20 pcs	33 (153 mm)/100
20 pcs	33 (153 mm)/120

Corrosion-resistant,
double-sided
galvanised steel.



6 BEND / SPOUT

This is another important element, with both technical and aesthetic functions. The double corrosion protection ensures worry-free maintenance for many years of continuous system use. The bend is formed from a single piece, giving it a very aesthetic appearance while the reduced number of seams minimises any susceptibility to corrosion.

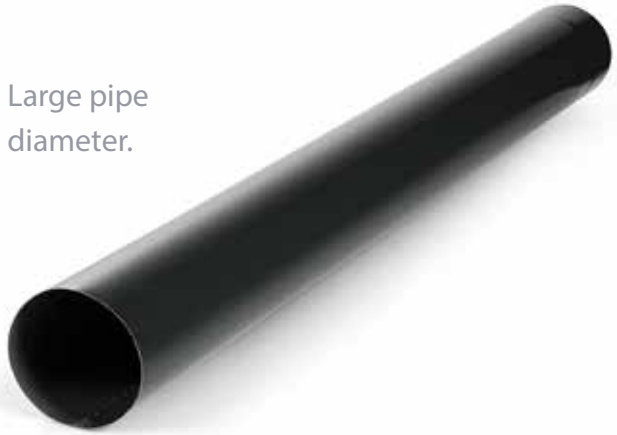
Package contains	Size
10 pcs	100 mm
7 pcs	120 mm

7

DOWNPIPE

This component combines both technical and aesthetic functions. To ensure adequate flow through the system in all weather conditions, we have used a large pipe diameter. Double corrosion protection - zinc plating + polyurethane guarantees the highest resistance to corrosion. The aesthetic qualities are ensured by the internal seam, so that when Zenit pipes are installed on the façade, they serve as a decorative element for the building.

Large pipe diameter.



Package contains	Length	Size
54 pcs	1 m / 3 m	100
40 pcs	1 m / 3 m	120

8

LONG OVER-RAFTER HOOK

The load on a hook can be several hundred kilograms.



Hooks play a very important role, as they have to support the gutter even when it is loaded with water or snow. To cope with this, we form the hooks from thick flat bar, over 250 mm long. They are also strong enough to withstand the weight of a well-built roofer. Installing a hook assembly to the gutter was always a difficult task as it required multiple measurements on the roof. This is why we place tags on Zenit hooks, and the mounting plates can be bent repeatedly to adjust the position. This accelerates the installation process, with no risk of leaks.

Package contains	Size
25 pcs	28 (127 mm)
25 pcs	33 (153 mm)

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FRONT HOOK

This solution requires almost no adjustment. To simplify the assembly, we have used adjustment screw holes. Now simply install the hook, hang the gutter, bend the mounting plates and the gutter is at the perfect distance from the wind girder.

Package contains	Size
40 pcs	28 (127 mm)
40 pcs	33 (153 mm)



10

DOWNPIPE CLAMP

The installed clamp tightening screw eliminates the risk of pipe detachment and unsealing of the whole system. Thanks to this simple solution, the installer also gets the opportunity to make several adjustments without compromising the material strength. This solution has already been appreciated by many roofers.

Package contains	Size
36 pcs	100 mm
36 pcs	120 mm

11

FIXING SCREW

The clamps should be fixed with 250 mm or 300 mm fixing screws. Since they are available in two different lengths, it is possible to maintain the required clearance between the downpipe and the façade.

Package contains	Size
50 pcs	250 mm
50 pcs	300 mm



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BUTT CLAMP

The butt clamp is the latest addition to the range, intended mainly for industrial buildings. The butt clamp provides a stable fastening for the downpipe to sandwich panels or the outer cladding of cavity walls.

The butt clamp is only available with a PE coat, in a selection of colours.

13

RAINWATER DIVERTER

The rainwater diverter is the element to be attached within the downpipe, equipped with a mesh trapping leaves that could cause clogging downpipe, used to divert water to the substituted rainwater tank. It has a door with a convenient handle that allows you to start collecting rainwater. The collected rainwater can be used e.g. for watering the garden, replace tap water with this and save on network water charges.

Package contains	Size
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40 szt.	100 mm
40 szt.	120 mm



14

PIPE BRANCH

A pipe branch is an element that allows the collector to include 2 roof slopes into one downpipe. In the case of small but isolated fragments the roof does not need a separate riser but when using a pipe branch, it can be used downpipe riser from the adjacent roof slope.

Package contains	Size
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42 szt.	100 mm
32 szt.	120 mm

15 SLEEVE

The sleeve is a „downpipe coupling“. Original items the drains have profiled sockets for connecting elements in one string. The sleeve allows for inclusion in the system elements from the cuts in which the cup was cut off and used in another downpipe.



Package contains	Size
50 szt.	100 mm
50 szt.	120 mm



16 DECANTER

A decanter is essential when water comes out of the gutter system it is discharged into drains or rainwater drainage. It acts as a revision, capturing the flowing contaminants from the roof. Dirt accumulated in the decanter can be easily removed by lifting the lid. They are made made of polypropylene and can be used for downpipes Zenit system.

Package contains	Size
24 szt.	100 mm
18 szt.	120 mm

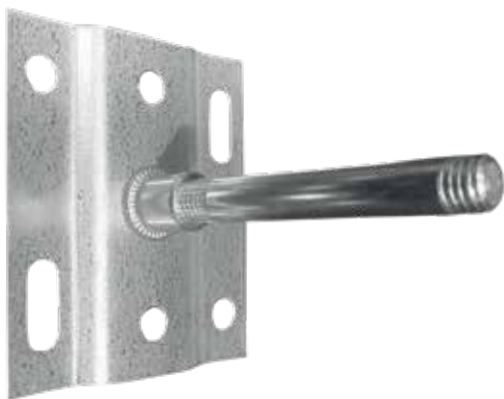
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DOWNPIPE CLAMP SNAIL

The downpipe clamp snail enables the installation of the downpipe clamp in the layer thermal insulation on the wall. This is a useful solution especially where the thickness of the thermal insulation is significant and a different solution would require application very long screws for the construction wall. At the same time, the use of a screw eliminates the risk of formation point thermal bridge it certainly constitutes steel screw. The downpipe clamp snail is only used for mounting vertical elements of the gutter system (downpipes).

Package contains	Size
40 szt.	100 mm
40 szt.	120 mm



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METAL PLATE FOR THE DOWN-PIPE CLAMP

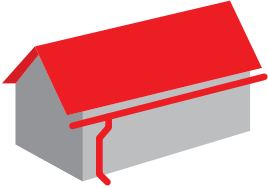
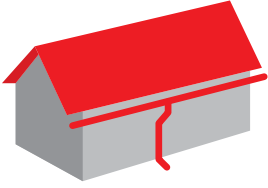
Generally screw clamps with a shield are used in industrial construction for fastening pipes drain pipes for sandwich panels with steel cladding. Therefore, they appear in only a few „industrial“ colors. There are, however, investments in the field of construction where the building facade allows or forces assembly to steel elements. Metal plate for the downpipe clamp instead of a screw allows for a wider range of applications. The plate for the clamp is present in a galvanized version, for a possible stand-alone painted in a color similar to the one used Zenit gutter system.

Package contains	Size
42 szt.	100 mm
32 szt.	120 mm

TECHNICAL PARAMETERS

Name	Guttering system ZENIT
Coating	polyurethane, polyester and galvanised
Guarantee	40 years at C1-C3; 5 years at C4 - polyurethane; 15 years at C1-C3; 5 years at C4 - poliester
Steel grade	DX53 Z275
Resistance to corrosion	RC4 / PN-EN 1462:2006 A
Load bearing capacity	H (750 N)
Gutter/pipe diameters [mm]	127/100; 153/100; 153/120
Gutter/pipe custom diameters [mm]	105/80; 192/150
Suitable for fixing with screws	S
Gutter length [mm]	4000
Pipe length [mm]	1000; 3000

SYSTEM CAPACITY

The method of setting the downpipe on the building.	GUTTER / PIPE system size		
	(28) 127/100	(33) 153/100	(33) 153/120
	107 m ²	150 m ²	173 m ²
	203 m ²	285 m ²	329 m ²

m² relates to the effective roof area. Formula for calculating the total area: $P = (\frac{1}{2} B + \frac{1}{2} H) L$
 where: P – total roof area; B – base width; H – roof height

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COLOURS



3009
oxide red



7016
anthracite grey



8004
copper brown



8017
chocolate brown



9002
pure white



9005
jet black



9006
silver metallic

colour	7016	8017	9005	3009	8004	9002	9006	zinc	titanium-zinc*	cooper*
127/100	•	•	•	•	•			•	•	•
153/100	•	•	•		•	•	•	•	•	•
153/120	•	•				•	•	•	•	•

* on demand – 6 weeks

The presented colours are illustrative and may differ slightly from the real ones. Colour samples are available at the manufacturer's premises and from the sales representatives.

WARRANTY

Balex Metal Sp. z o.o. gives a commercial warranty on steel gutters:



Balex Metal Sp. z o.o. gives a 40 year warranty on Zenit steel gutters for corrosion categories C1 to C3 (and a 5 year warranty for C4). Balex Metal guarantees resistance to perforating corrosion, which causes leaks due to material or manufacturing defects, according to the warranty terms and conditions. The warranty period begins on the date of purchase of the product.

This text is a product advertisement and not a product warranty document, and must not be treated as such.
A valid warranty is issued at the customer's request.

SYSTEM ASSEMBLY
MANUAL





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