

GROUP ABLACHOTRAPEZ

# PRODUCT CATALOGUE





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At BTR Systems, we manufacture long-lasting, aesthetically pleasing and affordable steel roofing products that will protect your home for decades to come and will increase your home's value.

### HIGHEST QUALITY MATERIALS

With steel produced in Germany's Thyssenkrupp Steelworks, coated with industry leading ZM EcoProtect® and a 50 micron layer of Paldur Wrinkle Mat Plus, BTR Systems roofing panels are resistant to long-term wear, discolouring, and offer maximum corrosion resistance. BTR Systems modular steel roofing tiles will serve you reliably for generations.

Our modular steel panels are built to withstand UV rays, snow, hurricanes, and hail. BTR Systems roofing panels, installed from frosty Scandinavia to sunny Spain, have provided our customers with peace of mind and satisfaction.

### **ASSORTMENT**

At BTR Systems, we offer a wide variety of roofing panel profiles, finishes and colours to satisfy even the most demanding customers.

### **EASY TO INSTALL**

BTR Systems roofing products are engineered and manufactured with ease of installation in mind. With each panel weighing approximately 8.8lb (4kg), they are easy to handle and roof structures do not require any reinforcement. No specialty tools are required to install a BTR Systems roof.

# **ACCESSORIES**

At BTR Systems, we offer a full line of specialty steel roofing accessories designed specifically for our roofing system. With our selection of steel roofing accessories, roofing crews will not waste time on the job site cutting or forming specialty pieces. Our accessories include fascia edge pieces, chimney flashing, corner fittings and drip edge metal roof accessories.

### **ENVIRONMENTALLY FRIENDLY**

BTR Systems rooves are durable & eco-friendly. Our roofing products have more than twice the lifespan of conventional roofing products. Unlike tar, or bitumen shingles, our steel panels are 100% recyclable, earning us a C4 environmental classification, according to Europe's EN ISO 12944-2.

Our steel roofing tiles average less than 5% waste during installation, compared to industry norms greater than 10%.

### WARRANTY

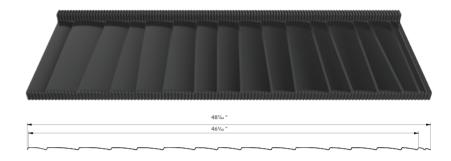
At BTR Systems, our products are we backed with full manufacturer's warranty.



# BANFF

### **TECHNICAL PARAMETERS**

Overall width  $^{\sim}48\%_4$  "  $^{\sim}46\%_4$ "  $^{\sim}$  Steel sheet thickness  $^{\sim}$  Tile rib height  $^{\sim}$  Module length  $^{\sim}$   $^{\sim}$ 



#### Available in the following finishes:

Profile height 015/4"





# BANFF STEEL SHINGLE

# Traditional Wooden Look in Steel

The Banff steel shingle panel is a unique product that resembles cedar shingles in texture and design. The Pladur Relief Wood coating technique, results in a unique visual effect, while guaranteeing unprecedented protection form the elements. Unlike wood products, the Banff steel shingle does not require costly maintenance and is simple to install, making it very economic and convenient for any home owner.





## **TOFINO**

#### **TECHNICAL PARAMETERS**

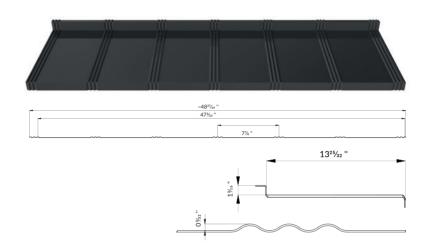
Overall width  $-48^{27}$ / $_{6}$  "

Effective coverage width  $7^{2}$ / $_{5}$  "

Steel sheet thickness Tile rib height  $1^{2}$ / $_{6}$  "

Module length  $1^{2}$ / $_{2}$ "  $1^{2}$ / $_{2}$ "

Profile height



#### Available in the following finishes:



Pladur® Wrinkle Mat



03/32 "

Pladur® Wrinkle Mat Plus



# TOFINO FLAT STEEL TILE

# The Contemporary Solution

To fino steel tile panel, inspired by the "perfection shingle" is ideal for transitional and contemporary architectural styles. Embossed with the elegant linear triple rib design, To fino steel tile may be applied both as roof coverage and facade siding.





## TREND

#### **TECHNICAL PARAMETERS**

Overall width Effective coverage width Thickness of the finished product (steel)

product (steel)
Tile rib height
Module length
Profile height
Wavelength

~48<sup>53</sup>/<sub>64</sub> " 45<sup>55</sup>/<sub>64</sub> "

1/<sub>64</sub> " 1<sup>3</sup>/<sub>16</sub> " 13<sup>25</sup>/<sub>32</sub> "

13<sup>25</sup>/<sub>32</sub> "
<sup>25</sup>/<sub>64</sub> "
9<sup>11</sup>/<sub>64</sub> "





### Available in the following coats:



Pladur® Wrinkle Mat

# TREND FLAT STEEL TILE

# Modernity and timelessness

The Trend flat sheet metal tile has been designed with attention to the smallest details. On the one hand, it is a reversal of trends that fits in with modern architectural structures. On the other hand, we are given a timeless flat surface. Modest elegance and unconventional character is a combination that will delight even the most demanding customers. It is flawless precision of workmanship and perfect appearance.





### **ESTIMA**

### **TECHNICAL PARAMETERS**

Overall width Effective coverage width

Steel sheet thickness Tile rib height

Module length
Profile height
Recommended length

~45<sup>35</sup>/<sub>64</sub> " 46<sup>57</sup>/<sub>64</sub> "

25 gauge 9steel 24 gauge (aluminum)

1¾ " 28<sup>1</sup>/<sub>32</sub> " 0<sup>63</sup>/<sub>4</sub> "

193 45/64"



#### Available in the following finishes:



Pladur<sup>®</sup> Wrinkle mat /Pladur<sup>®</sup> RAL Premium



Pladur® Wrinkle Mat Plus



Aluminium STUCCO /MAT Gruboziarnisty



Super Poliester Standard R-MAT

# ESTIMA STEEL TILE

# **Out of Respect for Innovation**

New, symmetrical flat tile, made of materials that guarantee quality, safety and comfort. Created for the most demanding customers. It is available in many colors and coatings, thanks to which it has wide configuration possibilities. Depending on the choice of protective coating, the manufacturer gives the product a warranty of up to 60 years. In a meeting with ESTIMA, the impression of solidity comes to mind involuntarily. The design will fit very well into both simple and more complicated roof constructions.





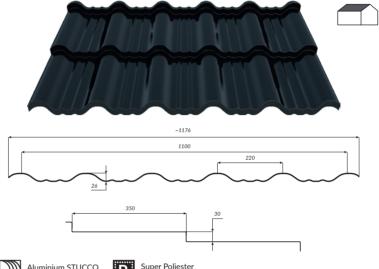
# **ENIGMA**

#### **TECHNICAL PARAMETERS**

Overall width  $-48^{27/64}$ "

Effective coverage width  $47^3/2$ "

Steel sheet thickness  $7^{1}$   $11^{$ 



#### Available in the following finishes:



Pladur® Wrinkle mat /Pladur® RAL Premium



Pladur® Wrinkle Mat Plus



Aluminium STUCCO /MAT Gruboziarnisty



Super Poliester Standard R-MAT

# ENIGMA STEEL TILE

# WE BROKE THE CODE TO THE EXCELLENCE

The laying method can be adapted to the specific roof and according to our own inspiration. The innovative technology of stiffening the sheets through the bottom shelf in combination with other product features makes it unrivalled on the market today. Enigma can surprise you even when you expect a surprise. The first positive shock comes as a combination of classics and modernity. Thanks to Safe Profiling System embossing combined with the Pladur Wrinkle Mat coating, customers receive as much as 60 years written warranty. The symmetrical Enigma profile is unique and particularly attractive in black and brick colors. The Enigma has been tailored to the needs of the most demanding roofers.





# MONT BLANC roof tile

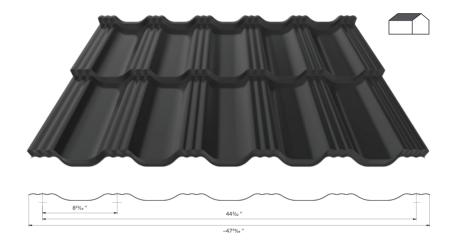
#### **TECHNICAL PARAMETERS**

Overall width
Effective coverage width
Steel sheet thickness
Recommended length
Tile rib height
Module length
Profile height

~47<sup>53</sup>/<sub>64</sub> " 44<sup>3</sup>/<sub>32</sub> " 0<sup>1</sup>/<sub>64</sub> " 235<sup>3</sup>/<sub>64</sub> " 0<sup>63</sup>/<sub>64</sub> / 1<sup>3</sup>/<sub>16</sub> "

1325/32 "

025/32 "



#### Available in the following finishes:



Pladur® Wrinkle mat /Pladur® RAL Premium



Pladur® Wrinkle Mat Plus





Super Poliester Standard R-MAT

# MONT BLANC STEEL TILE

# **European Clay Tile in Steel Panel**

Mont Blanc tile panel interprets the high profile European clay tile in steel. This tile is graceful in form and appropriate for classic and traditional architectural styles. This exceptional product is distinguished by its high profile and unique triple rib, giving the roof a distinct and timeless character.

Unlike clay tiles, Mont Blanc steel tiles are light and do not require any roof structure reinforcement.





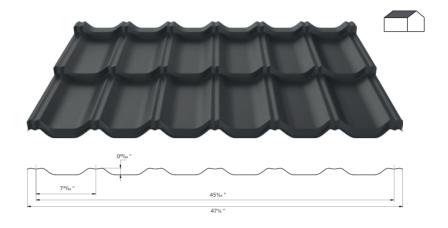
# TREMBLANT roof tile

#### TECHNICAL PARAMETERS

Overall width 47¼ "

Effective coverage width Steel sheet thickness Recommended length Tile rib height Module length Profile height 05%4 "

Overall width 47¼ " 45%4 " 1325%4 " 1325%4 " 1325%2



#### Available in the following finishes:



Pladur® Wrinkle mat /Pladur® RAL Premium



Pladur® Wrinkle Mat Plus



Aluminium STUCCO /MAT Gruboziarnisty



Super Poliester Standard R-MAT

# TREMBLANT STEEL TILE

# Classic Clay Tile in Steel Panel

Tremblant tile panel interprets the classic clay tile in solid steel. This lower profile steel tile blends traditional contours with modern design, making it ideal for a range of classic architectural styles.

Unlike clay tiles, Tremblant steel tiles are light and do not require any roof structure reinforcement.





# **WHISTLER**

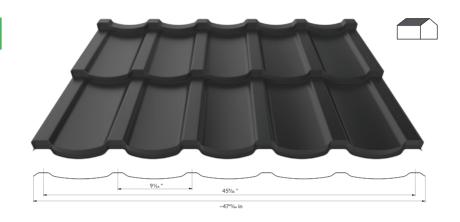
#### **TECHNICAL PARAMETERS**

Overall width
Effective coverage width
Steel sheet thickness
Recommended length
Tile rib height
Module length
Profile height

45%2 " 0½4 " max 235%4 " 1¾6 / 1¾8 " 1325/2 " 0¾4 "

~4741/64 "

Size 30/35



13/16 / 13/8 "

1325/32 1

#### Available in the following finishes:



Pladur® Wrinkle mat /Pladur® RAL Premium



Pladur® Wrinkle Mat Plus



Aluminium STUCCO /MAT Gruboziarnisty



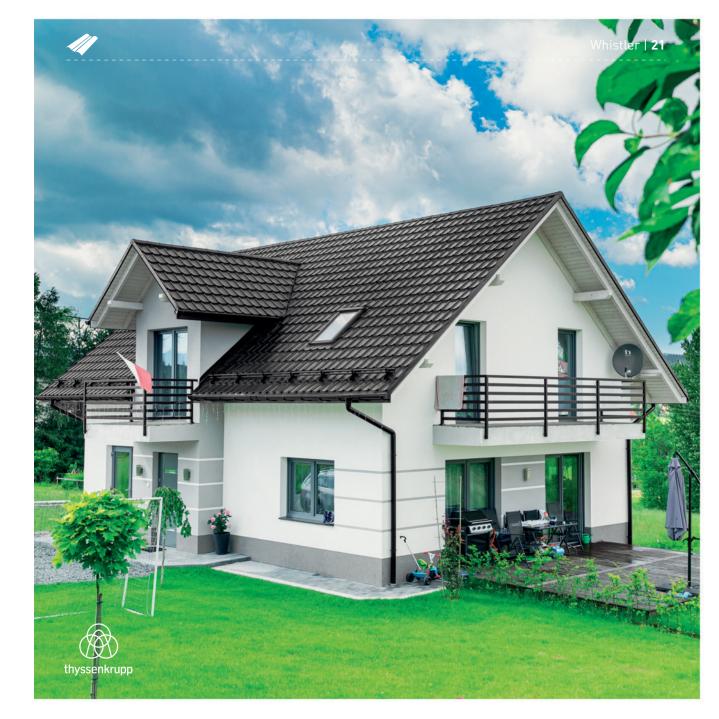
Super Poliester Standard R-MAT

# WHISTLER

# **European Slate Tile in Steel Panel**

Torino tile panel interprets European slate tile design in steel. This slender and graceful in form design is appropriate for classic, transitional and contemporary architectural styles.

Unlike slate tiles, Whistler steel tiles are light and do not require any roof structure reinforcement.







# ROOF STANDING SEAM PANELS

# Traditional Wooden Look in Steel

"Standing Seam" panels are well known in the industry for their traditional "seam or welt" installation system. SOLID STEEL designers and engineers modernized this traditional product and are proud to introduce the Vancouver 25 and 38 steel panels. Through innovation and numerous technical improvements, SOLID STEEL modular panels are superior in appearance, ease of installation, and affordability.



## T-PANEL

# TECHNICAL PARAMETERS

Overall width Effective coverage width Thickness of the finished product (steel)

product (steel)
Thickness of the finished
product(aluminium)
Profile depth
Sheet length

-43%s\*
41°/23\*\*

# Available in the following coats:



Pladur® Wrinkle Mat



~435/16"

4127/32 "

01/64 "

0<sup>1</sup>/<sub>32</sub> " 0<sup>63</sup>/<sub>64</sub> "

3/461/64 "

Pladur® Relief IceCrysta



Pladur® Relief Textured Wood



Pladur® Wrinkle Mat Plus

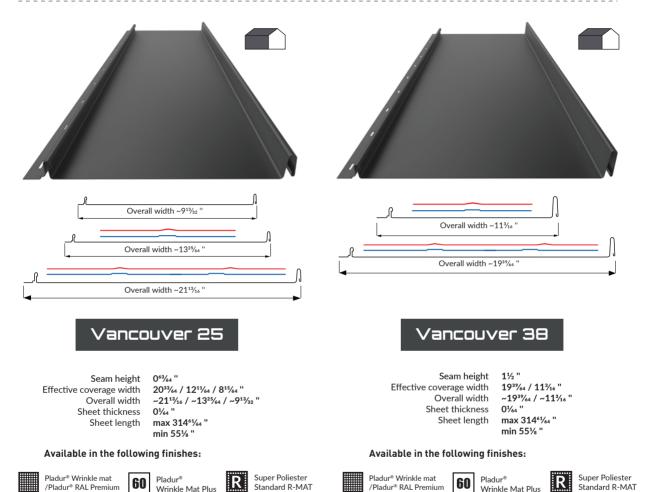
# T-PANEL ROOFING PANEL

# Tailored to the needs

T-Panel is a breakthrough high-class flat roofing product. Tailored to the needs of a modern customer, it will perfectly fit into the surrounding architecture. The material used is high-quality steel from reputable suppliers. T-Panel is available, among others, in PREMIUM class coatings with the longest written guarantee of durability up to 60 years. It is a reliability of technical and aesthetic lifespan of the roof.







ADDITIONAL OPTION: Ribs, Cutting - cutting option for folding, Cutting with folding - folding option for start piece

# VANCOUVER 25 and 38

Vancouver standing seam steel panels are produced and delivered in lengths up to 315 inches, or (8 meters) long. These steel panels are particularly well suited to contemporary architectural styles. Vancouver steel panels may also be applied as facade siding.







The printing technology does not allow for accurate reflection of coating colours, thus the presented colours are indicative and may differ from actual colours. The colours of samples are subject to production tolerance and may insignificantly differ from the material delivered to the construction site.









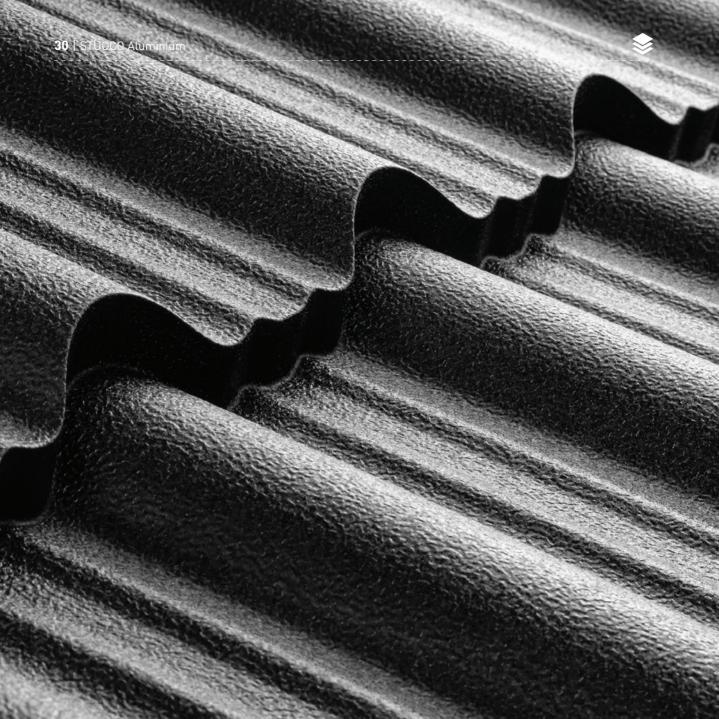
Pladur® Wrinkle Mat Plus - coarse-grained, 2-layer coating system, in colours according to known colour schemes, with layer thickness of min. 50 microns.



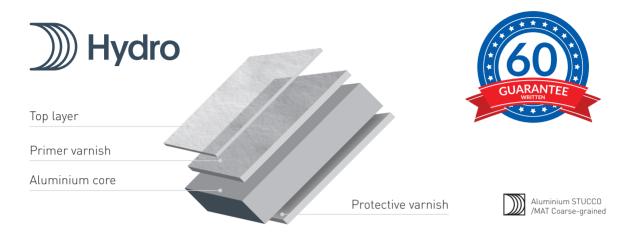




Pladur® Wrinkle mat - thick-grain, double-layer coating system, with colours according to well-known patterns and min. coat thickness 35 microns. The sheets meet the requirements of class A2 in accordance with the Commission Decision 96/603/EC on fire protection and may be used in the corrosion category C4 according to the standard EN ISO 12944-2.







**STUCCO Aluminium** - is a uniquely shaped surface of sheet metal (orange peel), which makes it look exclusive, suppresses the sounds of rain better and ensures high comfort of use.



Ultra light – its density is only 2.7g/cm3, it allows to design a lighter building structure and to reduce the costs of construction.



100% renewable- ecological material, can be fully recycled, it does not lose its original properties during this process.



Strong and durable. Tensile strength of currently produced aluminum alloys is comparable to steel. Aluminum is resistant to severe weather conditions, which often makes it a natural choice for many applications.



Plastic – it is soft and easy to process by roofers. High plasticity allows to form almost any product from aluminum.



Corrosion resistant aluminum is automatically covered with a thin layer of oxygen which prevents further oxidation – it is being rebuilt.



# BLIZZARD





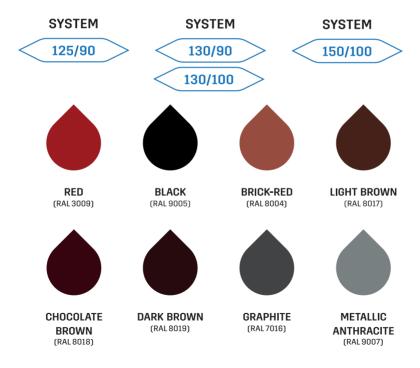
**GUTTER SYSTEMS** 





# DIMENSIONS AND COLOURS OF THE KROP STEEL GUTTER SYSTEM

Steel gutters go perfectly well with roofs made of the same material, are incredibly universal and match any type of roofing. Steel offers a solution that is not only aesthetic but also extremely durable and resistant. **KROP** steel gutters retain their performance characteristics in any weather conditions and are resistant to high temperatures.



<sup>\*</sup> Print technology does not allow for accurate representation of the colours of layers. Therefore the colours presented are for reference only and may differ from the actual colours. Colours of the samples are subject to manufacturing tolerances and may slightly differ from the material supplied to the construction site.







#### **KROP STEEL GUTTER CROSS-SECTION**

**KROP** steel gutters are made of high-quality steel coated with four protective layers: zinc, passivation coating, undercoat, and organic layer. Steel material is coated both on the inner and the outer side of the gutter. Thanks to the protective layers, the steel gutter system is more resistant to harmful impact of weather conditions and more resistant to mechanical damage. Zinc - applied directly to steel, protects the material against corrosion. Passivation layer - ensures good adhesion of undercoat paint. Undercoat - enhances anti-corrosion properties and improves adhesion of the organic layer. Organic layer - ensures final resistance and aesthetic appearance of a steel gutter.

# UNDERCOAT LAYER PASSIVATION LAYER ZINC

**STEEL** 



# STEEL



#### **UPTO 40 YEARS OF WARRANTY**

Product with proven performance characteristics. It is one of the longest guarantee periods available on the market.



#### **HIGH DURABILITY**

A very high quality material ensuring high resistance to mechanical damage and scratching.



#### **PROTECTIVE LAYERS**

A steel gutter has four protective layers ensuring higher resistance to adverse weather conditions and resistance to mechanical damage.



#### **CORROSION RESISTANCE**

Thanks to the use of top quality steel and protective layers, the system features very high corrosion-resistance.

#### ADVANTAGES OF KROP STEEL SYSTEM



#### **MECHANICAL RESISTANCE**

Based on tests and analyses, the product features very high resistance to mechanical damage.



#### **EASY INSTALLATION**

The system designed with attention to detail enables quick and efficient installation. The solution has been designed in cooperation with roofers.



#### **VERSATILITY**

Fits all types of roofing.



#### **HIGH RESILIENCE**

Resistant to deformation under external conditions.





#### KROP STEEL GUTTER SYSTEM COMPONENTS

- 1. Gutter
- 2. Universal bottom
- 3. Gutter connector
- 4. Butt hook
- 5. Butt hook of flat stock
- 6. Rafter hook
- 7. BB rafter hook
- 8. 90° External angle \*
- 9. 90° Internal angle\*
- 10. Drain funnel
- 11. Tube
- 12. Pipe joint
- 13. Pipe clamp
- 14. Clamp dowel
- 15. Clamp mounting to a layered panel
- 16. Elbow
- 17. Branch
- **18.** Shoe
- 19. 90/110 Rubber reducer
- 20. Rainwater collector
- 21. Sedimentation tank/Universal sink box
- 22. Outlet basket

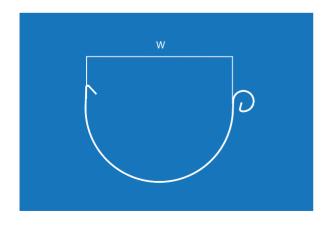
<sup>\*</sup> On special request, we make angles with any bending angle starting from 80°



## (1) Gutter



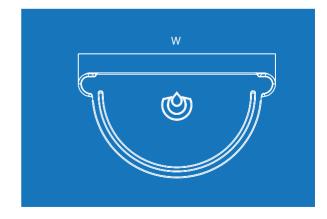
SYSTEM	W	LENGTH
125	4 <sup>23</sup> / <sub>32</sub> "	9.84 Ft 13.12 Ft
130	4 <sup>59</sup> ⁄ <sub>64</sub> "	9.84 Ft 13.12 Ft
150	5 <sup>29</sup> / <sub>32</sub> "	9.84 Ft 13.12 Ft



# 2 Universal bottom



SYSTEM	VV
125	619/64"
130	6 <sup>33</sup> ⁄64 "
150	7 <sup>31</sup> / <sub>64</sub> "



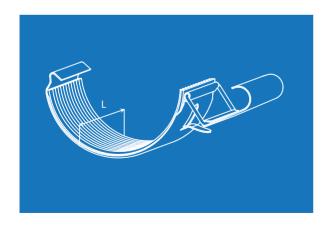


#### **Gutter connector**



SYSTEM

125	3½32 "
130	3½32 "
150	31/32 "







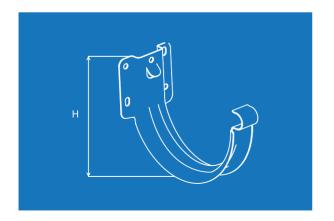
#### 4

## Fascia bracket



SYSTEM	Н

125	43/32 "
130	<b>4</b> <sup>51</sup> ⁄ <sub>64</sub> "
150	5 <sup>23</sup> / <sub>64</sub> "



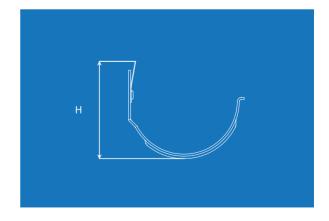
# 5

## Fascia bracket



SYSTE	4	Н

130 4<sup>51</sup>⁄<sub>64</sub> "

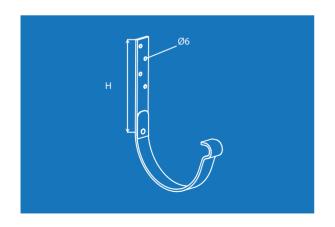






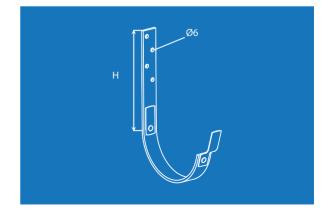


SYSTEM	Н
125	929/64"
130	929/64"
150	929/64"





SYSTEM	Н
130	11 <sup>13</sup> ⁄16 "
150	11 <sup>13</sup> ⁄16 "





# (8)

# 90° External angle



# 90° Internal angle





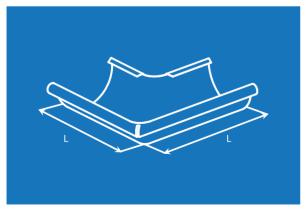
125	941/64"
130	941/64"
150	105/8 "



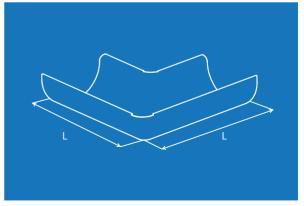
125 9½6"
130 9½6"

103/64"

150



\* On special request, we make angles with any bending angle starting from 800



\* On special request, we make angles with any bending angle starting from 80°

٧

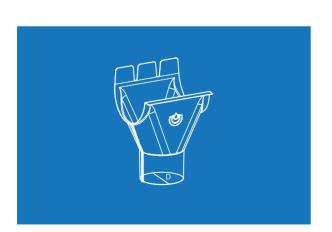


#### 10 **Outlet**



SI	/51	ГЕМ	ח

125	ø3¹³⁄₃₂ "
130	ø3 <sup>13</sup> ⁄32 "
130	<b>ø3</b> 5⁄16 "
150	ø35⁄16 "

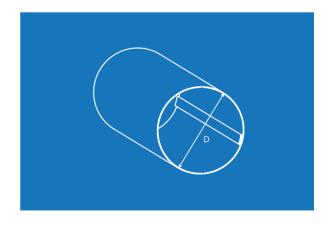


# **Downpipe**



SYSTEM	D	LENGTH
SYSTEM	D	LENGTH

90	ø3¹5⁄16 "	3.28 Ft 9.84 Ft	
100	ø4 "	13.12 Ft	

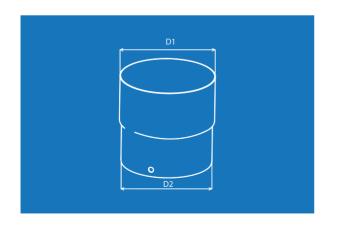




# Pipe connector



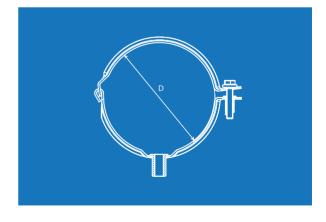
SYSTEM	D1 D2	
90	ø3¹⁵⁄₃₂ "	ø3 <sup>23</sup> ⁄64 "
100	α/1/ <sub>64</sub> "	a37%"



# (13) Pipe clamp



SYSTEM	D	
90	ø3³½64 "	
100	ø4½64"	



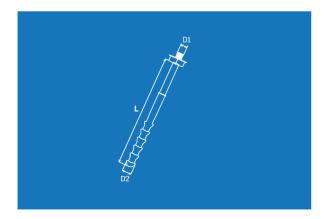






D1 D2 L

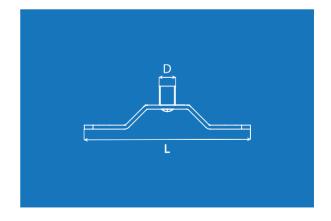
5/16" 15/32" 315/16",73/32",77/8",
1015/44",1113/46"



# Clamp mounting to a layered panel



D L M8 317/64 "





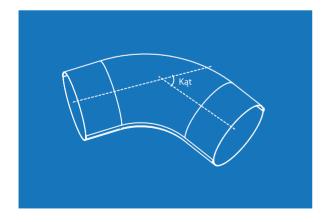
# **16**)

## **Elbow**



SYSTEM	ANGLE

90	60°
100	60°



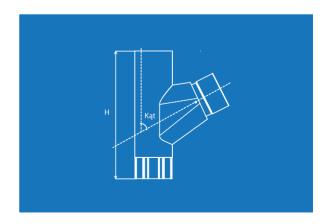
## (17)

# Branch



90	1113/16"	67,5°
100	11¹³⁄16 "	67,5°

Н



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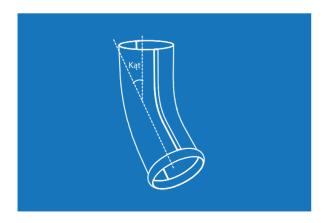






90	60°
100	60°

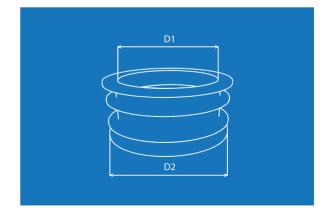
SYSTEM



# 90/110 Rubber reducer



D1	D2	
335/64"	421/64"	

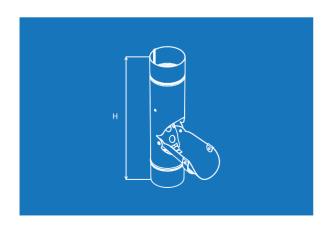




#### Rainwater collector 20

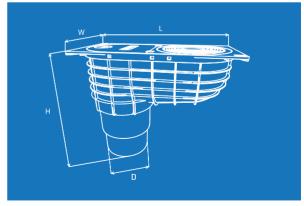


SYSTEM	Н
90	14 <sup>5</sup> 1/64 "
100	14 <sup>5</sup> 1⁄ <sub>64</sub> "





SYSTEM	L	Н	W	D
63	1223/32"	1013/64"	619/64"	4 <sup>21</sup> / <sub>64</sub> "
90	1223/32"	1013/64 "	619/64"	<b>4</b> <sup>21</sup> / <sub>64</sub> "



\* Component available in RAL 7016, 8017, 9005 colours



# **Outlet basket**



SYSTEM	L	Н	W	D
90	929/64"	<b>7</b> ½ "	7 <sup>31</sup> / <sub>64</sub> "	ø3¹5⁄15 "
100	929/64"	<b>7</b> 7/8 "	7 <sup>31</sup> / <sub>64</sub> "	ø3¹5⁄15 "

