

**SYSTEMS
VENTILATION**

**PRODUCT
CATALOG**

ABOUT COMPANY

2

The plant of thermal insulation materials was established in 2009. Our goal is to offer the buyer innovative solutions in the field of non-flammable thermal insulation materials adapted to Russian conditions. We have been looking for an optimal heat insulator for a long time, combining efficiency, environmental cleanliness, resistance to temperature changes and humidity. The decision was in favor of mineral wool based on basalt rocks, which fully meets all modern requirements!

UNIQUE PRODUCTION TECHNOLOGIES.

Thanks to the accumulated experience and long-term developments, in 2011 we created our own production of thermal insulation cylinders and components made of mineral wool under the trademark PIPEWOOL. Our products have excellent performance characteristics, as evidenced by certificates of conformity and quality certificates. We are constantly increasing production, expanding the range and striving to reduce the cost of production, introducing the latest technologies and ultra-precise automatic equipment. Our specialists are able to organize the production of insulation for pipes and additional elements of any configuration for the rapid construction of non-standard thermal insulation structures.

We work using original patented technologies developed by our leading engineers.

WHAT MAKES US DIFFERENT FROM OTHERS?

PROFESSIONAL TEAM.

Our company employs specialists with extensive experience who will help you make the right choice taking into account your needs.

IMPECCABLE SERVICE.

We appreciate your time, so your order will be placed and executed as soon as possible. We have hundreds of successfully completed projects of various complexity and many satisfied customers in our piggy bank. But the main reward for us is your trust, as well as recommendations to your friends!

REASONABLE PRICES.

Our own production of thermal insulation cylinders and shaped elements allows us to independently set favorable prices for products, as well as offer wholesale customers discounts of up to 30%.

ORGANIZATION OF DELIVERY.

Thanks to the logistics department, convenient location near the federal highway, we are able to ensure timely delivery of goods to any point in Russia with the lowest costs. No force majeure circumstances!

Modern production of insulation for pipes, unique technologies and high quality of products are the main advantages of ZTM LLC.

We are ready to become your reliable partner! Contact us today!
We are expanding our dealer network, offering very favorable conditions for cooperation!

SYSTEMS VENTILATION • HVAC PIPEWOOL

- 4 Types of directions of connections of the protective shell**
- 5 Straight section** (Rectangular cross-section)
- 7 Elbows-OI** (Rectangular cross-section)
- 9 Transitions-PO** (Rectangular cross-section)
- 9 Transitions-PI** (Rectangular cross-section)
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- 13 Tees-TP** (Rectangular cross-section Tee-transition)
- 13 Tees-TY** (Rectangular cross-section)
- 15 Ducks-UZ** (Rectangular cross-section)
- 15 Ducks-UPZ** (Rectangular cross-section Duck-transition)
- 17 Ducks-US** (Rectangular cross-section)
- 17 Ducks-UPS** (Rectangular cross-section Duck-transition)

THERMAL INSULATION MADE OF BASALT WOOL
in a separate catalog

PROTECTIVE SHELLS
in a separate catalog

QUICK-DETACHABLE CONSTRUCTIONS
in a separate catalog

MOUNTS AND ACCESSORIES
in a separate catalog

LOCKS
in a separate catalog

PROTECTIVE SHELL FOR VENTILATION DUCTS

VENTILATION is used to create an exchange of air masses inside the room with the environment in order to remove fumes, unpleasant odors, pollutants, carbon dioxide and carbon monoxide, etc. from the room. If simple natural ventilation is sufficient for small rooms, then for extensive complexes with many separate rooms, the ventilation system can be very complex and branched, with numerous branches, transitions, tees, etc. For high-quality ventilation work, it is necessary to have a competent calculation, high-quality installation, appropriate thermal insulation and provide protection of the channels from damage — protective covers are used for this.

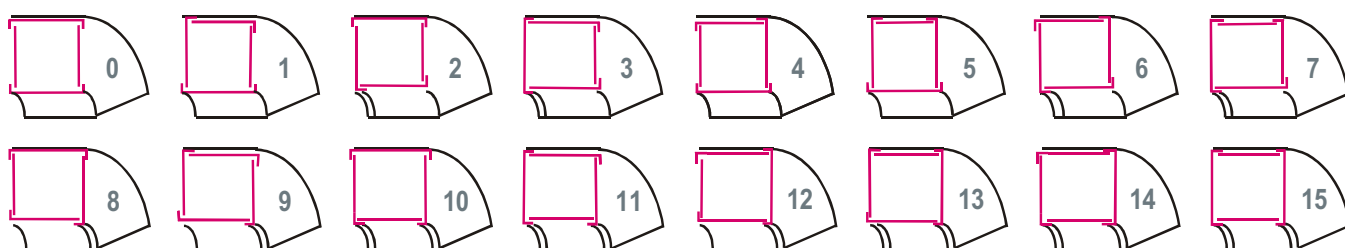
To ensure protection from external factors of thermal insulation of ventilation ducts and technological equipment, it is recommended to use casings that are made of galvanized sheet, stainless steel or aluminum. Covers for ventilation ducts of rectangular cross-section are made up to 3000 mm long. The thickness of the metal is from 0.45 mm to 1.2 mm. The shell allows you to protect communications from the effects of moisture, ultraviolet radiation, prevents the formation of condensation on the insulated surface, mechanical damage and other environmental factors, gives the systems a complete and aesthetic appearance. Shells are used for various types of insulation sheet materials (mineral wool plates, NPE); tubes or removable casings with a «spike-groove» sealing system (thermal insulation mineral wool cylinders, PPS, PU foam, foamed polyethylene); rolled (all types of mineral wool, unstitched polyethylene); liquid insulation (PU foam, ceramic compositions).

ADVANTAGES OF PROTECTIVE COVERS

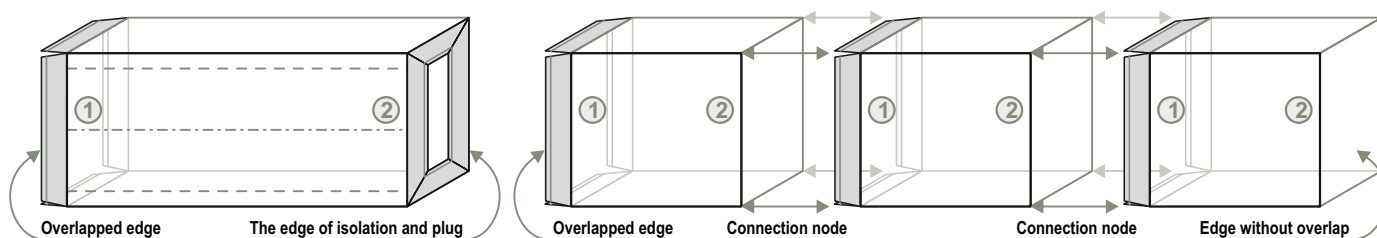
- They are particularly durable, withstand long-term operational loads.
- Resistance to various chemicals.
- Easy installation: the ability to quickly replace the elements in case of damage.
- The possibility of reuse.
- Effective protection of communications and insulation from the effects of moisture, ultraviolet radiation, prevents the formation of condensation on the insulated surface, mechanical damage and other environmental factors.

The casing for ventilation ducts is made according to the customer's technical specifications with the necessary overlaps, plugs for thermal insulation, taking into account the direction when installing the structure (prevents moisture from entering the structure), with ready-made mounting holes that facilitate its installation, in accordance with the requirements of GOST. For fixing the thermal insulation material, at the request of the customer, we additionally complete with cotter pins, for fixing thermal insulation materials.

TYPES OF DIRECTIONS OF CONNECTIONS OF THE PROTECTIVE SHELL

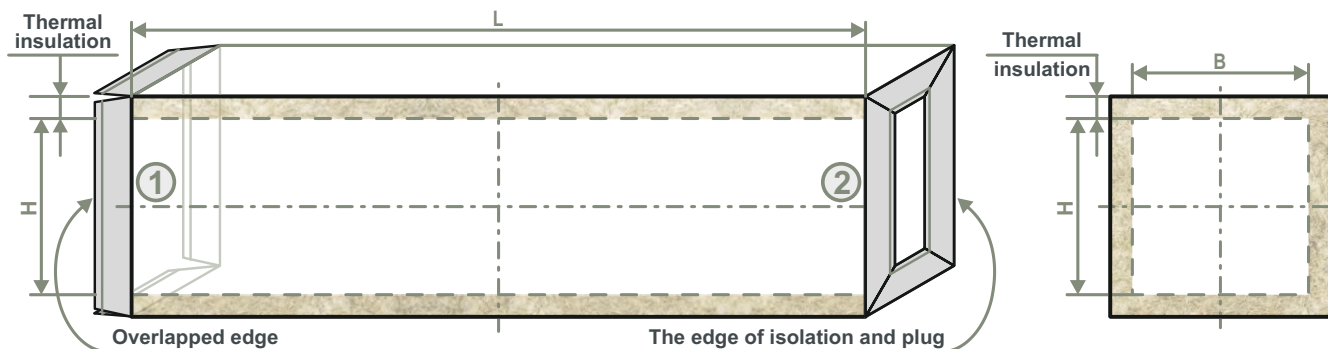
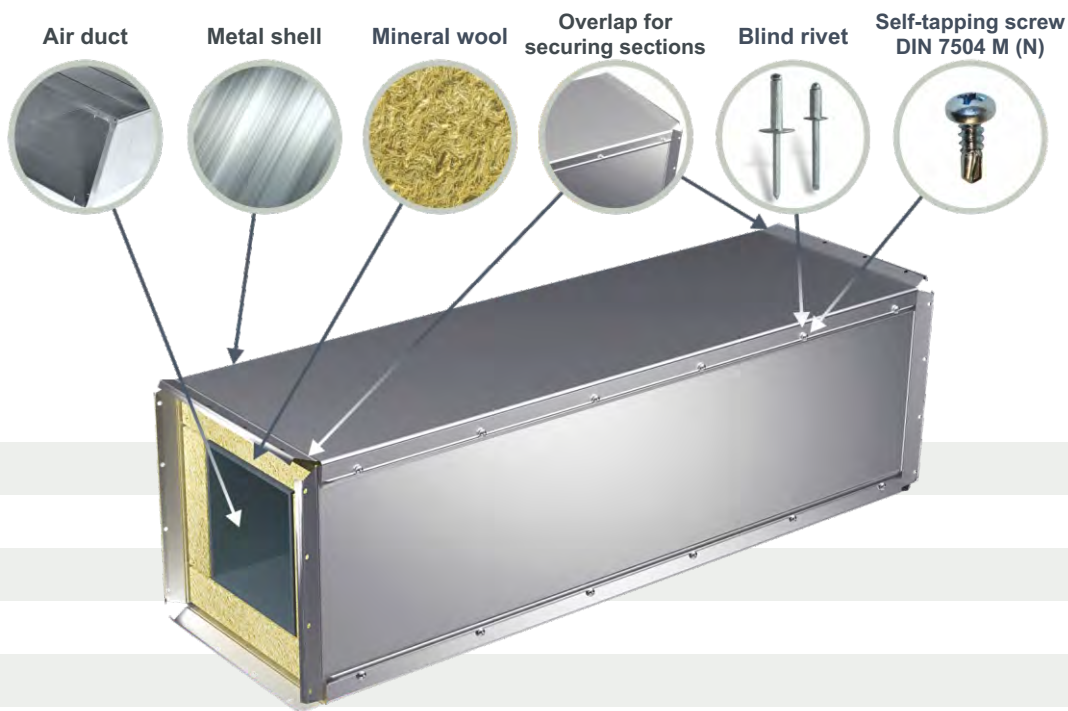


EXAMPLE OF SECTION CONNECTIONS DURING ASSEMBLY AND INSTALLATION



The standard overlap of the shell edge for a nodal connection with another section of the HVAC is 35 mm (+15 mm zig). For the plug of the insulation edge, the overlap of the shell edge is indicated in accordance with the thickness of the thermal insulation.

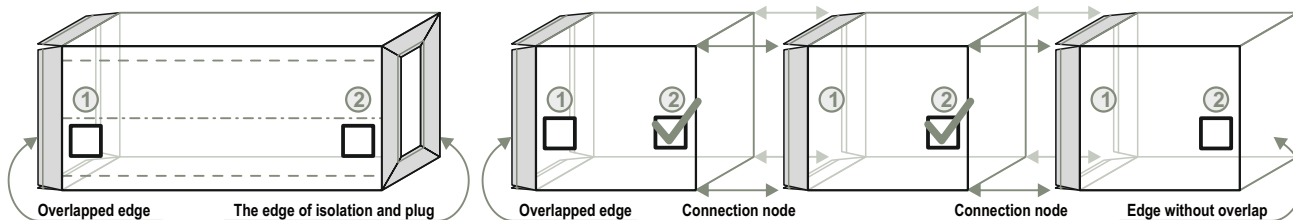
STRAIGHT SECTION VENTILATION PIPEWOOL



STRAIGHT SECTION • HVAC PIPEWOOL

	Zn	Al	St
H height (mm)	up to 1200 mm	up to 1200 mm	up to 1200 mm
B width (mm)	up to 1200 mm	up to 1200 mm	up to 1200 mm
L length (mm)	up to 3000 mm	up to 3000 mm	up to 3000 mm
Metal thickness (mm)	0,50 / 0,55 / 0,80 / 1,00	0,80 / 1,00	0,50 / 1,00
Mounting holes (pcs)	Ø3,2 mm	Ø3,2 mm	Ø3,2 mm
Types of connections	* fill out the survey sheet		


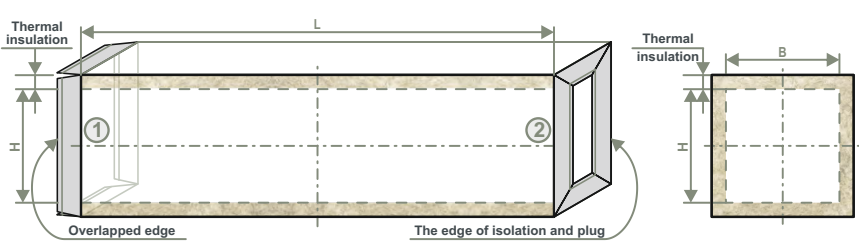
EXAMPLE OF SECTION CONNECTIONS DURING ASSEMBLY AND INSTALLA


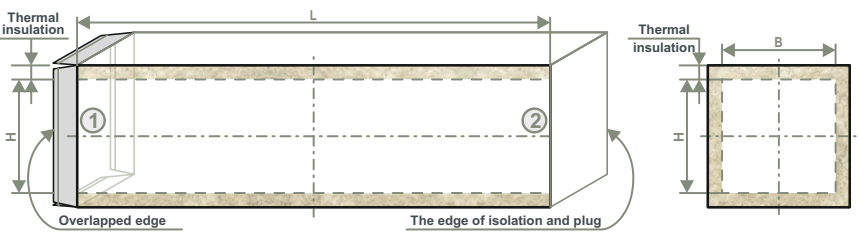


It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

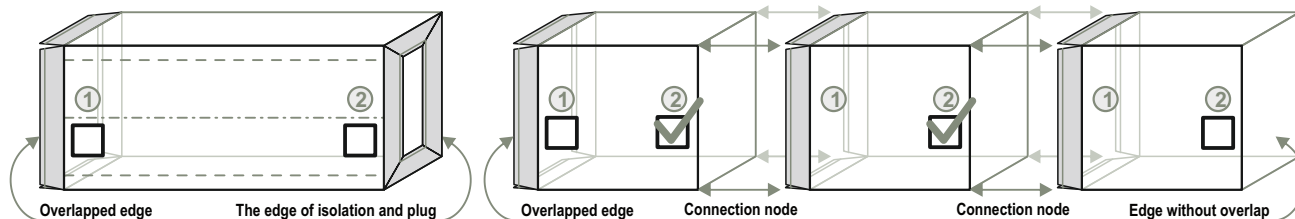
CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

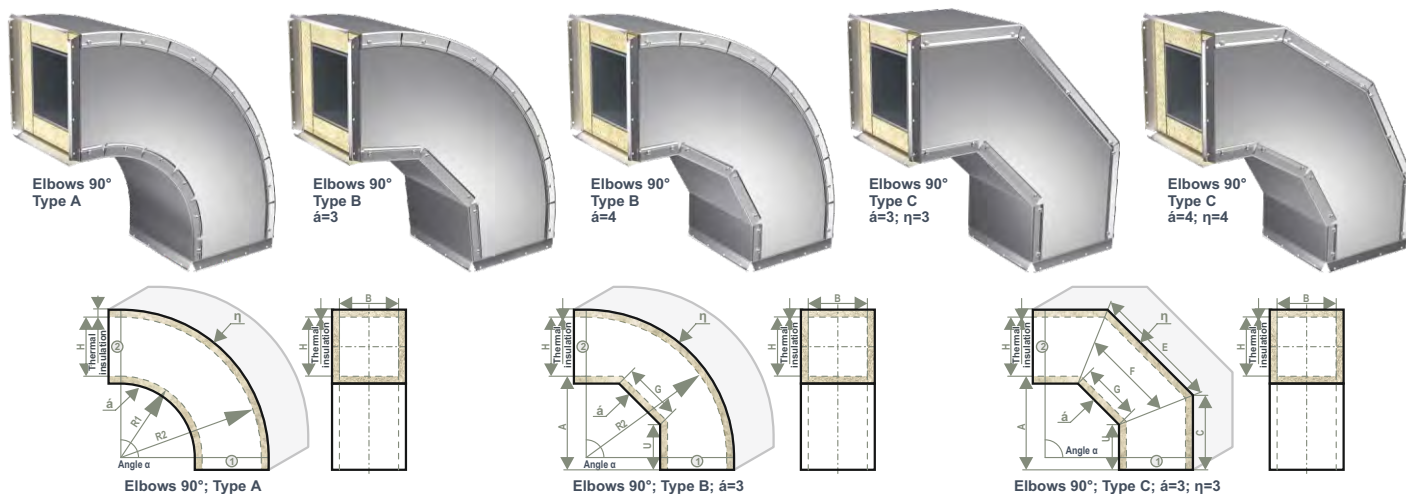
Product A		STRAIGHT SECTION • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
					
H height	<input type="text"/> mm	The edge of isolation and plug		<input type="text"/> mm	<input type="text"/> - Edge number *
B width	<input type="text"/> mm	Overlapped edge		<input type="text"/> mm	<input type="text"/> - Edge number *
L length	<input type="text"/> mm	Edge without overlap		<input type="text"/> mm	<input type="text"/> - Edge number *
Protective shell for ventilation ducts					
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm				
	Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm				
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/>	Color <input type="text"/>			
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/>	Number of holes <input type="text"/> pcs		view/type of connection directions (Page 4) # <input type="text"/>	
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200	Thickness (mm) <input type="text"/> mm			
Number of products	<input type="text"/> pcs				

Product B		STRAIGHT SECTION • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
					
H height	<input type="text"/> mm	The edge of isolation and plug		<input type="text"/> mm	<input type="text"/> - Edge number *
B width	<input type="text"/> mm	Overlapped edge		<input type="text"/> mm	<input type="text"/> - Edge number *
L length	<input type="text"/> mm	Edge without overlap		<input type="text"/> mm	<input type="text"/> - Edge number *
Protective shell for ventilation ducts					
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm				
	Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm				
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/>	Color <input type="text"/>			
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/>	Number of holes <input type="text"/> pcs		view/type of connection directions (Page 4) # <input type="text"/>	
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200	Thickness (mm) <input type="text"/> mm			
Number of products	<input type="text"/> pcs				

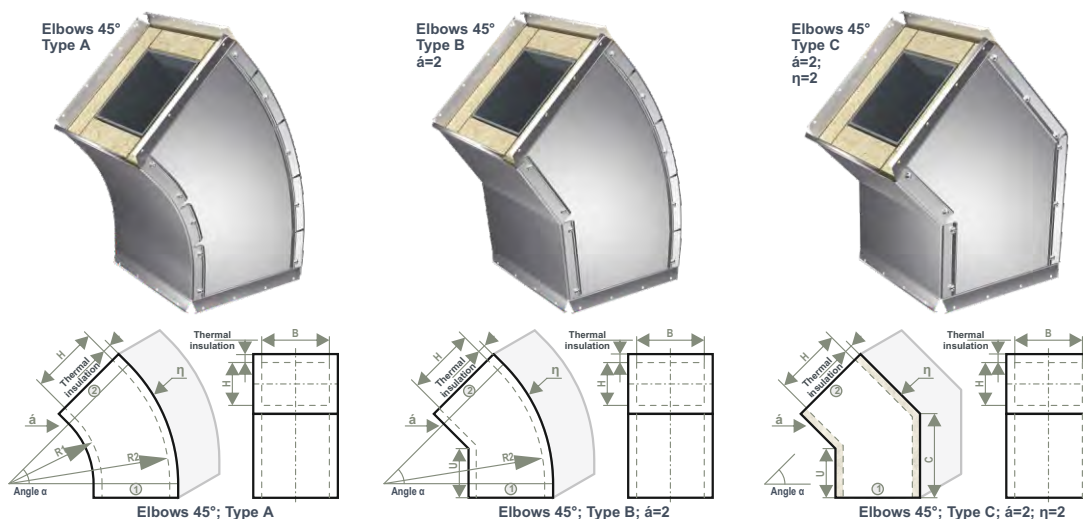
EXAMPLE OF SECTION CONNECTIONS DURING ASSEMBLY AND INSTALLA



ELBOWS-OI 90° VENTILATION PIPEWOOL



ELBOWS-OI 45° VENTILATION PIPEWOOL



ELBOWS-OI • HVAC PIPEWOOL

	Zn	Al	St
H height (mm)	up to 1200 mm	up to 1200 mm	up to 1200 mm
B width (mm)	up to 1200 mm	up to 1200 mm	up to 1200 mm
Metal thickness (mm)	0,50 / 0,55 / 0,80 / 1,00	0,80 / 1,00	0,50 / 1,00
α Angle (°)	from 30° to 90°	from 30° to 90°	from 30° to 90°
R1 - The smallest radius (mm)	from 100 mm	from 100 mm	from 100 mm
R2 - The largest radius (mm)	from 200 mm	from 200 mm	from 200 mm
Mounting holes (pcs)	Ø3,2 mm	Ø3,2 mm	Ø3,2 mm
Types of connections	* fill out the survey sheet		
$\acute{\alpha}; \eta$ - Number of faces per side (pcs)	* fill out the survey sheet		

Mounts and accessories:



Self-tapping screw
DIN 7504 M(N)

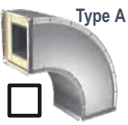


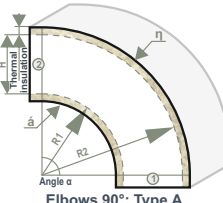
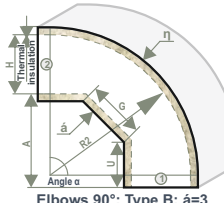
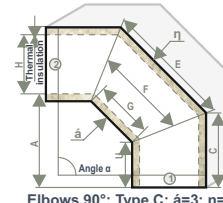



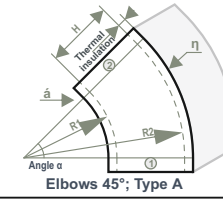
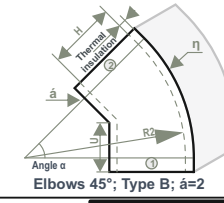
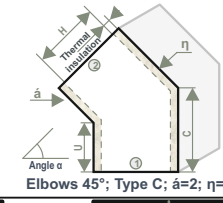


Exhaust
rivet







It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

Product A		ELBOWS-OI • HVAC PIPEWOOL		* 000.00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
  		  			
  		  			
H height	_____ mm				
B width	_____ mm				
α Angle	_____ °				
A	_____ mm	C	_____ mm		
R1	_____ mm	G	_____ mm	The edge of isolation and plug _____ mm - Edge number *	
R2	_____ mm	E	_____ mm	Overlapped edge _____ mm - Edge number *	
U	_____ mm	F	_____ mm	Edge without overlap _____ mm - Edge number *	
Number of side folds á		_____ pcs		Number of side folds η _____ pcs	

Protective shell for ventilation ducts	
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color _____
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes _____ pcs view/type of connection directions (Page 4) # _____
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) _____ mm
Number of products	_____ pcs

Product B		ELBOWS-OI • HVAC PIPEWOOL		* 000.00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
  		  			
H height	_____ mm				
B width	_____ mm				
α Angle	_____ °				
A	_____ mm	C	_____ mm		
R1	_____ mm	G	_____ mm	The edge of isolation and plug _____ mm - Edge number *	
R2	_____ mm	E	_____ mm	Overlapped edge _____ mm - Edge number *	
U	_____ mm	F	_____ mm	Edge without overlap _____ mm - Edge number *	
Number of side folds á		_____ pcs		Number of side folds η _____ pcs	

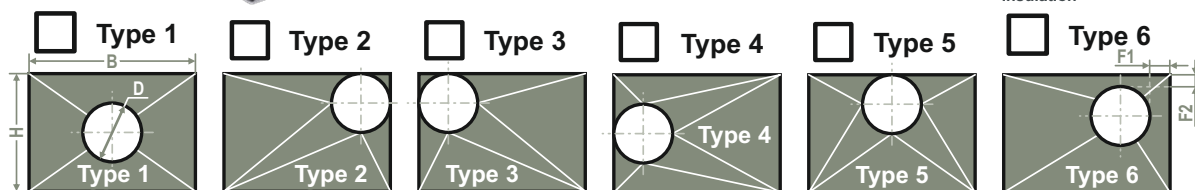
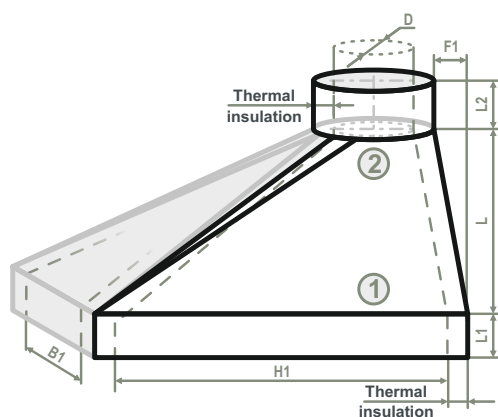
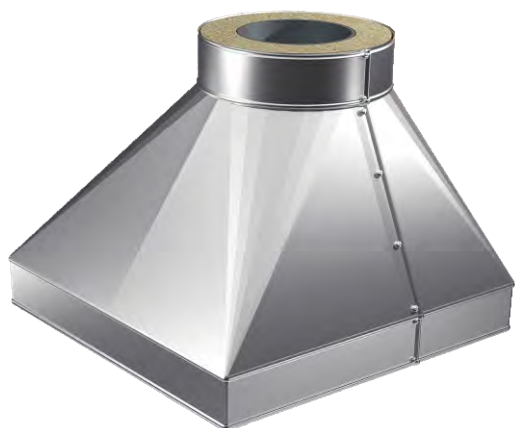
Protective shell for ventilation ducts	
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color _____
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes _____ pcs view/type of connection directions (Page 4) # _____
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) _____ mm
Number of products	_____ pcs

Mounts and accessories:

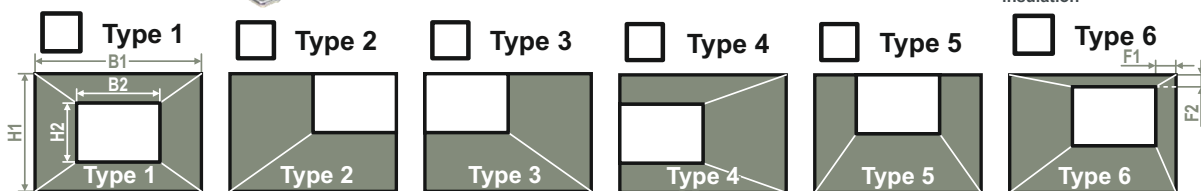
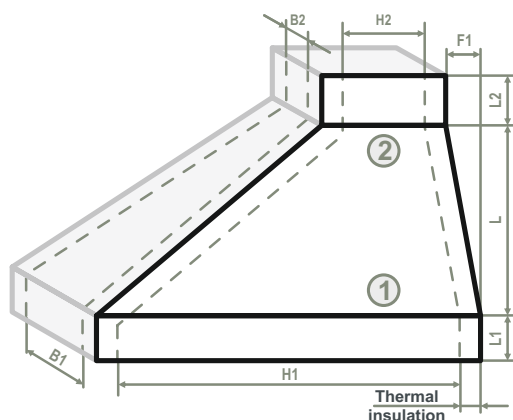
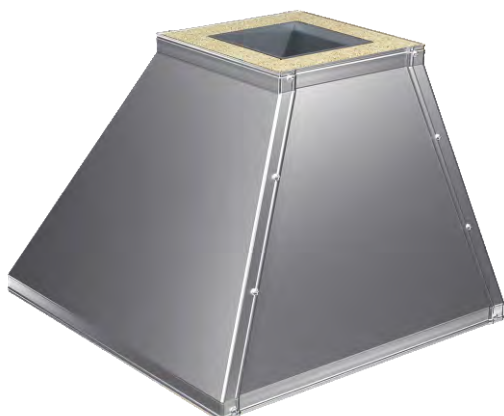

Self-tapping screw
DIN 7504 M(N)

Exhaust
rivet

TRANSITIONS-PO VENTILATION PIPEWOOL



TRANSITIONS-PI VENTILATION PIPEWOOL



TRANSITIONS • HVAC PIPEWOOL

H height (mm)

B width (mm)

Metal thickness (mm)

D Diameter (mm)

F Offset (mm)

Mounting holes (pcs)

Types of connections

Zn

Al

St

up to 1200 mm

up to 1200 mm

up to 1200 mm

up to 1200 mm

up to 1200 mm

up to 1200 mm

0,50 / 0,55 / 0,80 / 1,00

0,80 / 1,00

0,80 / 1,00

up to 1200 mm

up to 1200 mm

up to 1200 mm

* fill out the survey sheet

Ø3,2 mm

Ø3,2 mm

Ø3,2 mm

* fill out the survey sheet

Mounts and accessories:



Self-tapping screw
DIN 7504 M(N)


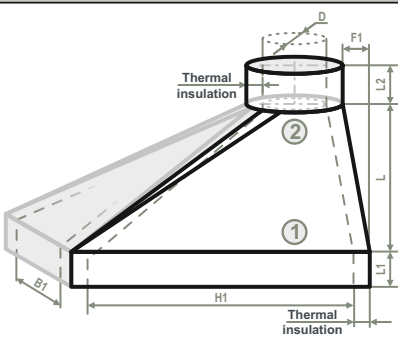


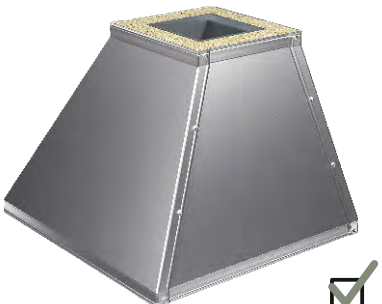
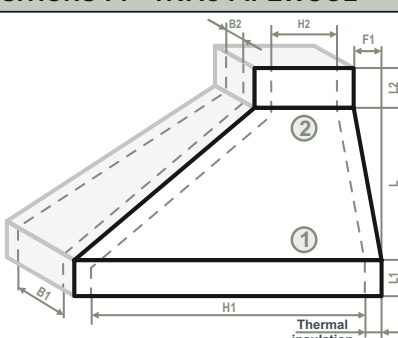
Exhaust
rivet

It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

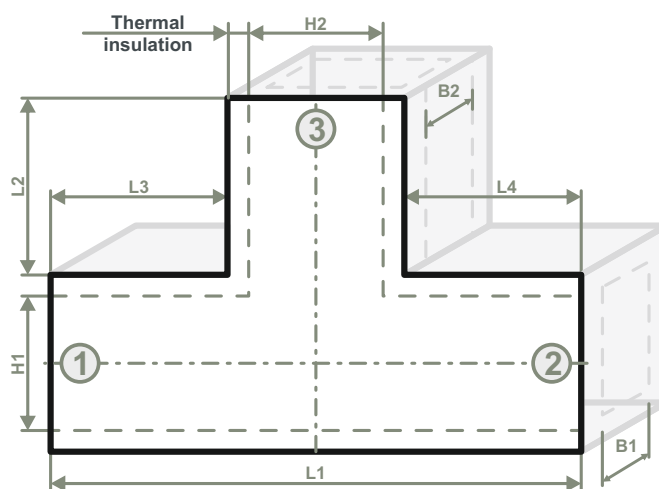
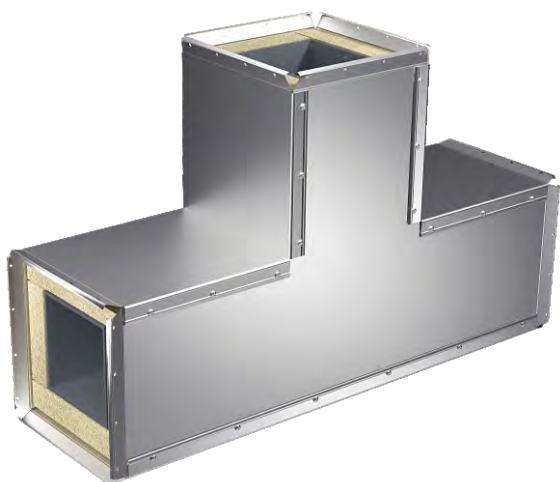
CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

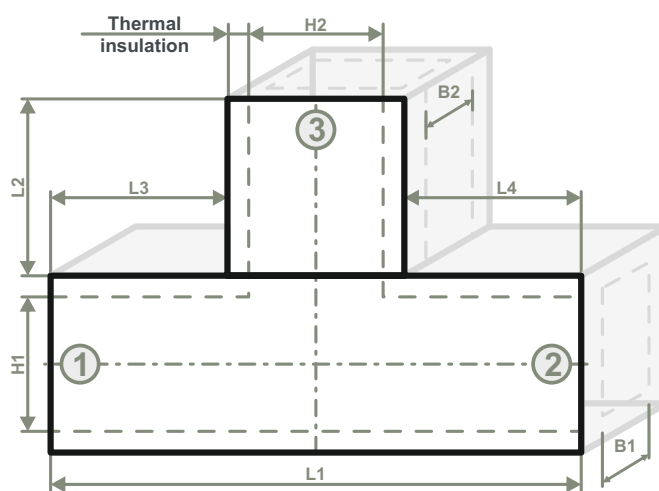
TRANSITIONS-PO • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
			
<input type="checkbox"/> Type 1 <input type="checkbox"/> Type 2 <input type="checkbox"/> Type 3 <input type="checkbox"/> Type 4 <input type="checkbox"/> Type 5 <input type="checkbox"/> Type 6			
H height	<input type="text"/> mm	The edge of isolation and plug	<input type="text"/> mm <input type="text"/> - Edge number *
B width	<input type="text"/> mm	Overlapped edge	<input type="text"/> mm <input type="text"/> - Edge number *
D diameter	<input type="text"/> mm	Edge without overlap	<input type="text"/> mm <input type="text"/> - Edge number *
L length	<input type="text"/> mm	Edge with an external ridge	<input type="text"/> mm <input type="text"/> - Edge number *
L1 length	<input type="text"/> mm	Edge with an internal ridge	<input type="text"/> mm <input type="text"/> - Edge number *
L2 length	<input type="text"/> mm	Offset F1	<input type="text"/> mm Offset F2 <input type="text"/> mm
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm		
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>		
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>		
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm		
Number of products	<input type="text"/> pcs		

TRANSITIONS-PI • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
			
<input type="checkbox"/> Type 1 <input type="checkbox"/> Type 2 <input type="checkbox"/> Type 3 <input type="checkbox"/> Type 4 <input type="checkbox"/> Type 5 <input type="checkbox"/> Type 6			
H1 height	<input type="text"/> mm	H2 height	<input type="text"/> mm
B1 width	<input type="text"/> mm	B2 width	<input type="text"/> mm
L length	<input type="text"/> mm	The edge of isolation and plug	<input type="text"/> mm <input type="text"/> - Edge number *
L1 length	<input type="text"/> mm	Overlapped edge	<input type="text"/> mm <input type="text"/> - Edge number *
L2 length	<input type="text"/> mm	Edge without overlap	<input type="text"/> mm <input type="text"/> - Edge number *
		Offset F1	<input type="text"/> mm Offset F2 <input type="text"/> mm
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm		
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>		
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>		
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm		
Number of products	<input type="text"/> pcs		

TEES-TI VENTILATION PIPEWOOL • Type 1



TEES-TI VENTILATION PIPEWOOL • Type 2



TEES-TI • HVAC PIPEWOOL

H height (mm)

B width (mm)

L length (mm)

Metal thickness (mm)

Mounting holes (pcs)

Types of connections

Zn

up to 1200 mm

up to 1200 mm

up to 3000 mm

0,50 / 0,55 / 0,80 / 1,00

Ø3,2 mm

Al

up to 1200 mm

up to 1200 mm

up to 3000 mm

0,80 / 1,00

Ø3,2 mm

St

up to 1200 mm

up to 1200 mm

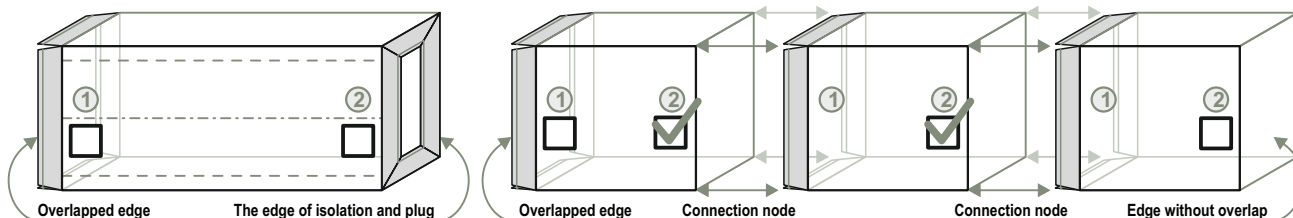
up to 3000 mm

0,50 / 1,00

Ø3,2 mm

* fill out the survey sheet

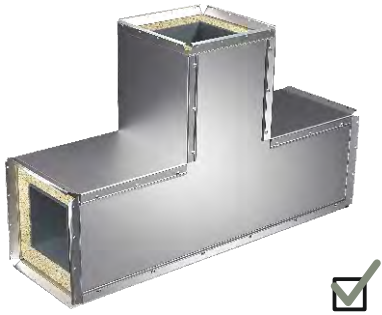
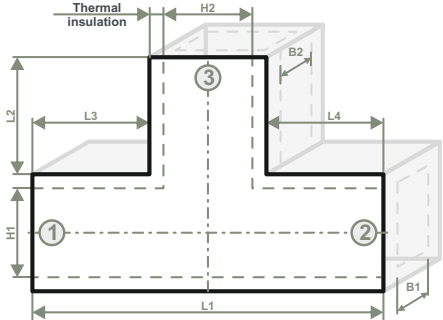
EXAMPLE OF SECTION CONNECTIONS DURING ASSEMBLY AND INSTALLA

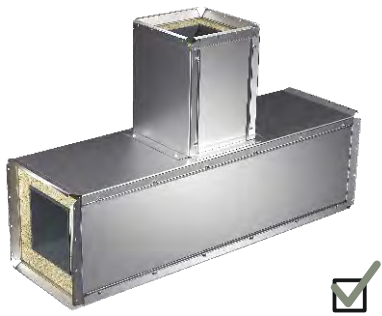
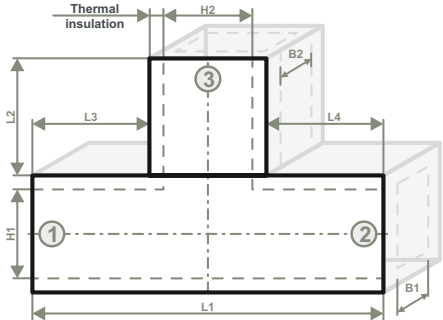


It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

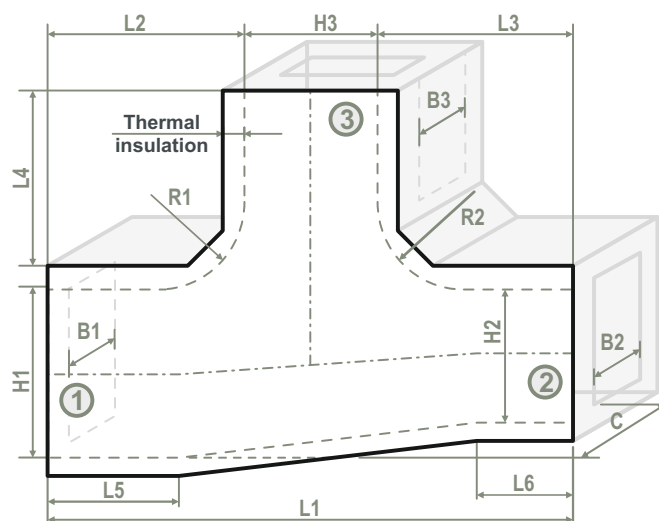
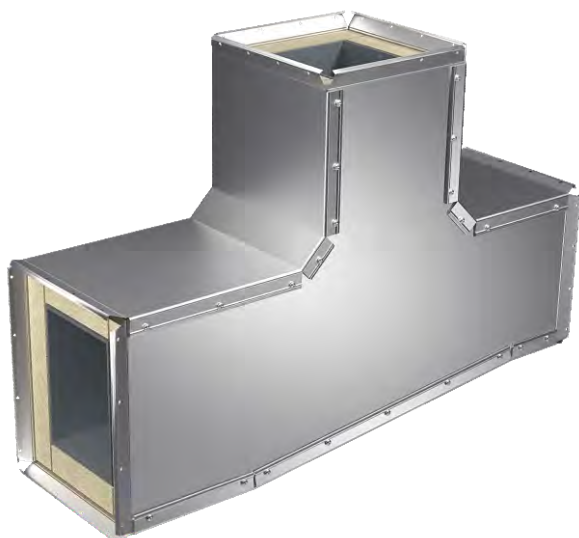
CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

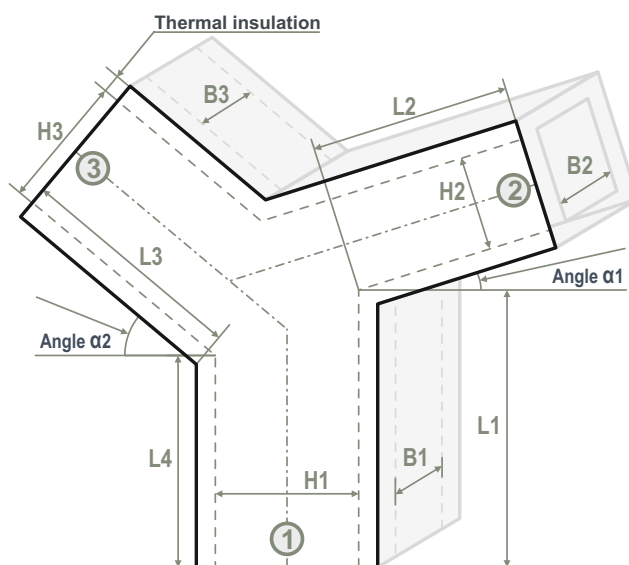
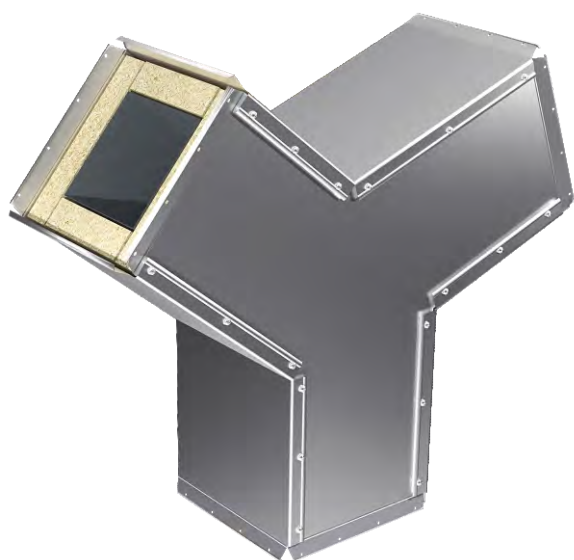
TEES-TI HVAC PIPEWOOL • Type 1		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.
		
H1 height <input type="text"/> mm	H2 height <input type="text"/> mm	The edge of isolation and plug <input type="text"/> mm <input type="text"/> <input type="text"/> - Edge number *
B1 width <input type="text"/> mm	B2 width <input type="text"/> mm	Overlapped edge <input type="text"/> mm <input type="text"/> <input type="text"/> - Edge number *
L1 length <input type="text"/> mm	L2 length <input type="text"/> mm	Edge without overlap <input type="text"/> <input type="text"/> <input type="text"/> - Edge number *
L3 length <input type="text"/> mm	L4 length <input type="text"/> mm	
Protective shell for ventilation ducts		
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm	
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>	
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>	
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm	
Number of products	<input type="text"/> pcs	

TEES-TI HVAC PIPEWOOL • Type 2		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.
		
H1 height <input type="text"/> mm	H2 height <input type="text"/> mm	The edge of isolation and plug <input type="text"/> mm <input type="text"/> <input type="text"/> - Edge number *
B1 width <input type="text"/> mm	B2 width <input type="text"/> mm	Overlapped edge <input type="text"/> mm <input type="text"/> <input type="text"/> - Edge number *
L1 length <input type="text"/> mm	L2 length <input type="text"/> mm	Edge without overlap <input type="text"/> <input type="text"/> <input type="text"/> - Edge number *
L3 length <input type="text"/> mm	L4 length <input type="text"/> mm	
Protective shell for ventilation ducts		
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm	
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>	
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>	
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm	
Number of products	<input type="text"/> pcs	

TEES-TP VENTILATION PIPEWOOL



TEES-TY VENTILATION PIPEWOOL



TEES-TP/TY • HVAC PIPEWOOL

	Zn	Al	St
H height (mm)	up to 1200 mm	up to 1200 mm	up to 1200 mm
B width (mm)	up to 1200 mm	up to 1200 mm	up to 1200 mm
L length (mm)	up to 3000 mm	up to 3000 mm	up to 3000 mm
Metal thickness (mm)	0,50 / 0,55 / 0,80 / 1,00	0,80 / 1,00	0,50 / 1,00
α Angle (°)	* fill out the survey sheet		
F Offset (mm)	* fill out the survey sheet		
Mounting holes (pcs)	Ø3,2 mm	Ø3,2 mm	Ø3,2 mm
Types of connections	* fill out the survey sheet		

Mounts and accessories:



Self-tapping screw
DIN 7504 M(N)

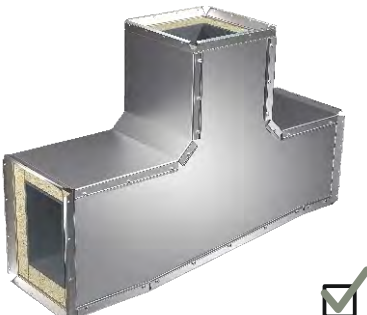
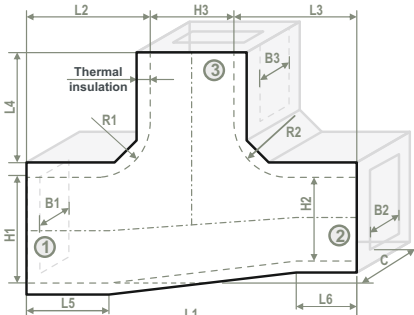


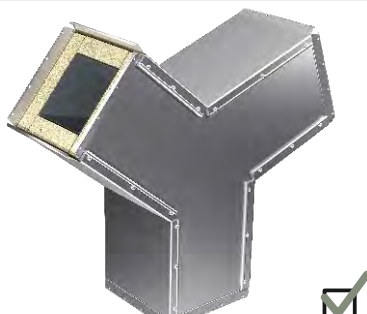
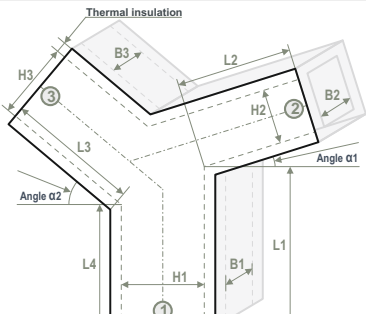
Exhaust
rivet

It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

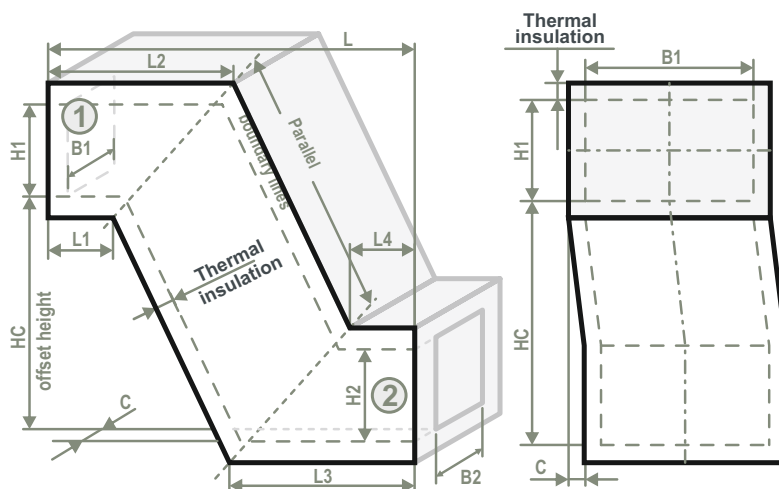
CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

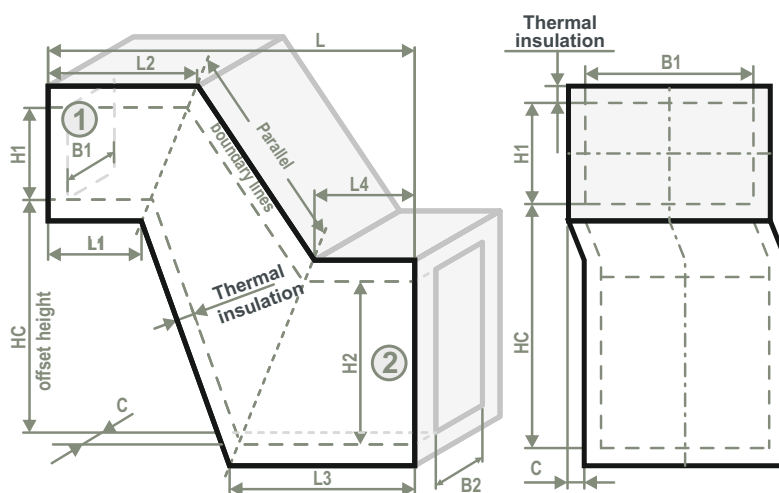
TEES-TY • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
			
H1 height	mm	B1 width	mm
H2 height	mm	B2 width	mm
H3 height	mm	B3 width	mm
L1 length	mm	L3 length	mm
L2 length	mm	L4 length	mm
The edge of isolation and plug		mm	- Edge number *
Overlapped edge		mm	- Edge number *
Edge without overlap		mm	- Edge number *
L5 length	mm	R1 radius	mm
L6 length	mm	R2 radius	mm
C offset		mm	
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm		
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>		
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>		
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm		
Number of products	<input type="text"/> pcs		

TEES-TY • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
			
H1 height	mm	B1 width	mm
H2 height	mm	B2 width	mm
H3 height	mm	B3 width	mm
L1 length	mm	L3 length	mm
L2 length	mm	L4 length	mm
The edge of isolation and plug		mm	- Edge number *
Overlapped edge		mm	- Edge number *
Edge without overlap		mm	- Edge number *
α1 Angle		°	
α2 Angle		°	
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm		
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>		
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>		
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm		
Number of products	<input type="text"/> pcs		

DUCKS-UZ VENTILATION PIPEWOOL



DUCKS-UPZ VENTILATION PIPEWOOL



DUCKS-UZ/UPZ • HVAC PIPEWOOL

H height (mm)

B width (mm)

Metal thickness (mm)

F Offset (mm)

Mounting holes (pcs)

Types of connections

Zn

up to 1200 mm

up to 1200 mm

0,50 / 0,55 / 0,80 / 1,00

Al

up to 1200 mm

up to 1200 mm

0,80 / 1,00

St

up to 1200 mm

up to 1200 mm

0,50 / 1,00

* fill out the survey sheet

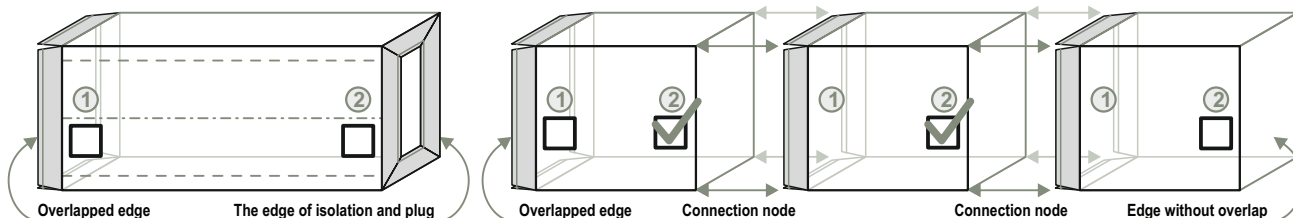
Ø3,2 mm

Ø3,2 mm

Ø3,2 mm

* fill out the survey sheet

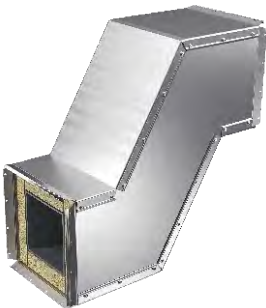
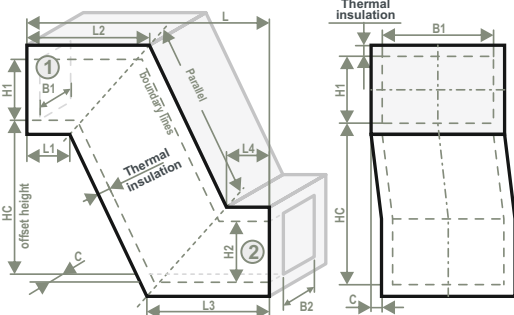
EXAMPLE OF SECTION CONNECTIONS DURING ASSEMBLY AND INSTALLA




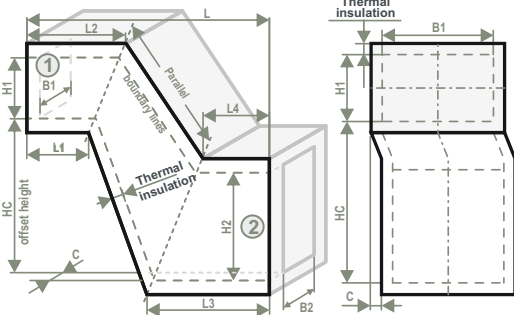
It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

CUSTOMER SURVEY SHEET # _____

Information about the customer.	
Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

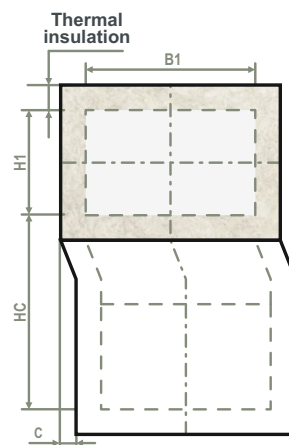
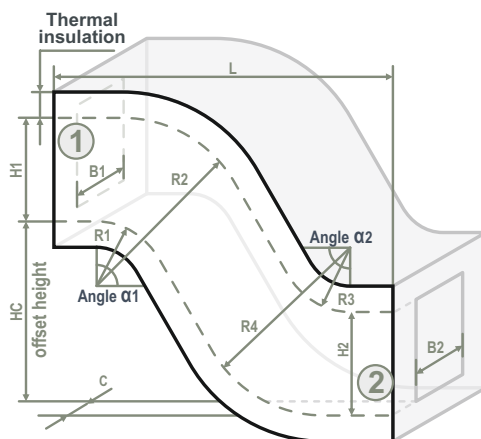
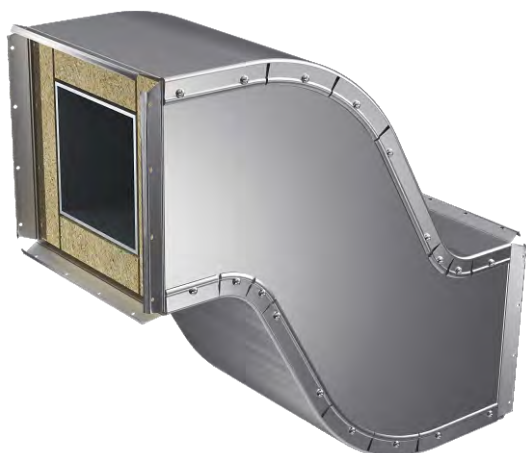
DUCKS-UZ • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
 <input checked="" type="checkbox"/>			
H1 height	<input type="text"/> mm	L length	<input type="text"/> mm
H2 height	<input type="text"/> mm	L1 length	<input type="text"/> mm
B1 width	<input type="text"/> mm	L2 length	<input type="text"/> mm
B2 width	<input type="text"/> mm	L3 length	<input type="text"/> mm
		L4 length	<input type="text"/> mm
		HC offset height	<input type="text"/> mm
		C offset	<input type="text"/> mm

Protective shell for ventilation ducts	
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm
Number of products	<input type="text"/> pcs

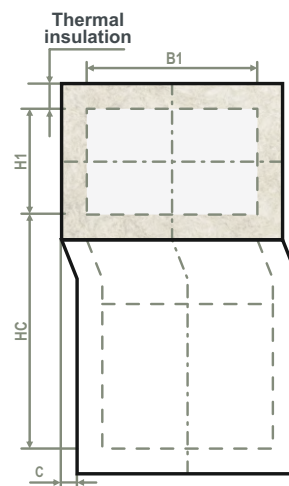
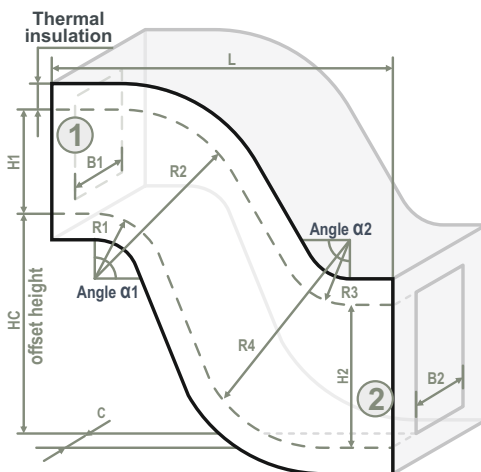
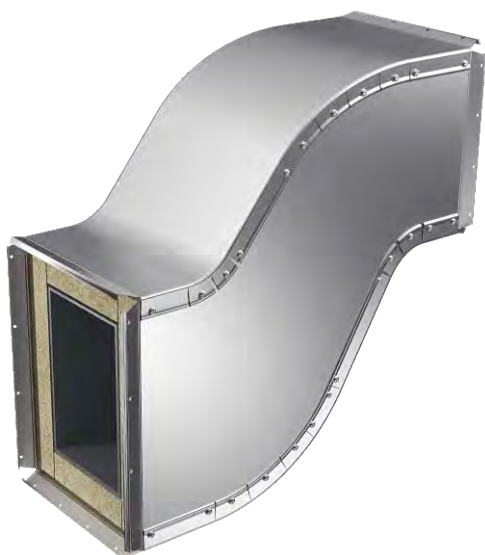
DUCKS-UPZ • HVAC PIPEWOOL		* 000,00 - Fill it out & <input checked="" type="checkbox"/> mark it.	
 <input checked="" type="checkbox"/>			
H1 height	<input type="text"/> mm	L length	<input type="text"/> mm
H2 height	<input type="text"/> mm	L1 length	<input type="text"/> mm
B1 width	<input type="text"/> mm	L2 length	<input type="text"/> mm
B2 width	<input type="text"/> mm	L3 length	<input type="text"/> mm
		L4 length	<input type="text"/> mm
		HC offset height	<input type="text"/> mm
		C offset	<input type="text"/> mm

Protective shell for ventilation ducts	
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm <input type="checkbox"/> St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm
Number of products	<input type="text"/> pcs

DUCKS-US VENTILATION PIPEWOOL



DUCKS-UPS VENTILATION PIPEWOOL



DUCKS-US/UPS • HVAC PIPEWOOL

 H height (mm)

 B width (mm)

 Metal thickness (mm)

 α Angle (°)

 R Radius (mm)

 F Offset (mm)

 Mounting holes (pcs)

 Types of connections

Zn

up to 1200 mm

up to 1200 mm

0,50 / 0,55 / 0,80 / 1,00

Al

up to 1200 mm

up to 1200 mm

0,80 / 1,00

St

up to 1200 mm

up to 1200 mm

0,50 / 1,00

* fill out the survey sheet

* fill out the survey sheet

* fill out the survey sheet

Ø3,2 mm

Ø3,2 mm

Ø3,2 mm

* fill out the survey sheet

Mounts and accessories:



Self-tapping screw
DIN 7504 M(N)



Exhaust
rivet


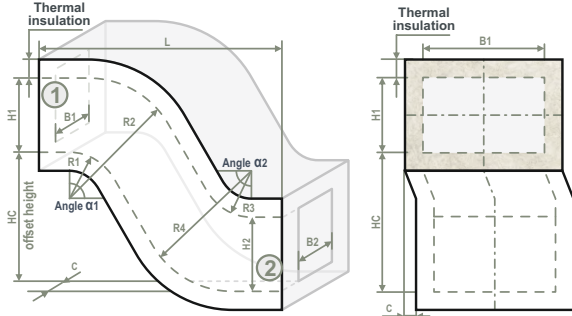
It is possible to manufacture an internal hole for fittings, fittings. All shells are equipped with the necessary number of rivets or screws (at the request of the customer). Discounts are provided depending on the purchase volume. Prices are shown with VAT.

CUSTOMER SURVEY SHEET # _____


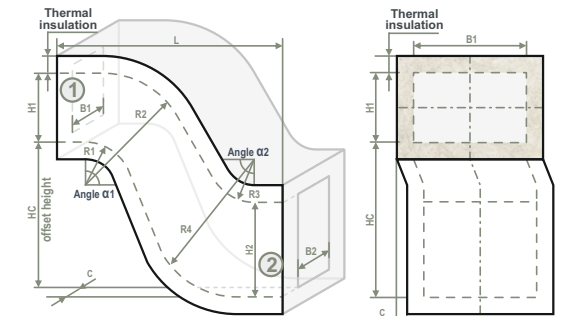
Information about the customer.

Customer?* The company?*	
Object / # Order form / Date	
Phone / Your name?*	
Mail:	

DUCKS-US • HVAC PIPEWOOL

						
H1 height	<input type="text"/> mm	R1 radius	<input type="text"/> mm	The edge of isolation and plug	<input type="text"/> mm	<input type="text"/> - Edge number *
H2 height	<input type="text"/> mm	R2 radius	<input type="text"/> mm	Overlapped edge	<input type="text"/> mm	<input type="text"/> - Edge number *
B1 width	<input type="text"/> mm	R3 radius	<input type="text"/> mm	Edge without overlap	<input type="text"/> mm	<input type="text"/> - Edge number *
B2 width	<input type="text"/> mm	R4 radius	<input type="text"/> mm			
L length	<input type="text"/> mm	α1 Angle	<input type="text"/> °	α2 Angle	<input type="text"/> °	HC offset height <input type="text"/> mm C offset <input type="text"/> mm
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm					
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>					
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>					
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm					
Number of products	<input type="text"/> pcs					

DUCKS-UPS • HVAC PIPEWOOL

						
H1 height	<input type="text"/> mm	R1 radius	<input type="text"/> mm	The edge of isolation and plug	<input type="text"/> mm	<input type="text"/> - Edge number *
H2 height	<input type="text"/> mm	R2 radius	<input type="text"/> mm	Overlapped edge	<input type="text"/> mm	<input type="text"/> - Edge number *
B1 width	<input type="text"/> mm	R3 radius	<input type="text"/> mm	Edge without overlap	<input type="text"/> mm	<input type="text"/> - Edge number *
B2 width	<input type="text"/> mm	R4 radius	<input type="text"/> mm			
L length	<input type="text"/> mm	α1 Angle	<input type="text"/> °	α2 Angle	<input type="text"/> °	HC offset height <input type="text"/> mm C offset <input type="text"/> mm
Metal type & thickness (mm)	Zn galvanized steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 0,55 mm <input type="checkbox"/> 0,80 mm <input type="checkbox"/> 1,00 mm Al Aluminum <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm St Stainless steel <input type="checkbox"/> 0,50 mm <input type="checkbox"/> 1,00 mm					
Coloring	yes <input type="checkbox"/> no <input type="checkbox"/> Color <input type="text"/>					
Shell fastenings	Self-tapping screw <input type="checkbox"/> Exhaust rivet <input type="checkbox"/> Number of holes <input type="text"/> pcs view/type of connection directions (Page 4) # <input type="text"/>					
Thermal insulation	Marking of insulation <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 120 <input type="checkbox"/> 150 <input type="checkbox"/> 200 Thickness (mm) <input type="text"/> mm					
Number of products	<input type="text"/> pcs					

pipewool.pw

teplo@pipewool.ru

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+7(35139) 2-79-00