

TECHNICAL CATALOGUE

# METAL BOXES FOR MANIFOLDS



## > THE COMPANY

ITAP SpA, founded in Lumezzane (Brescia) in 1972, is currently one of the leading production companies in Italy of **valves, fittings and distribution manifolds** for plumbing and heating systems.

Thanks to a fully automated production process, with 85 transfer machines and 55 assembly lines, it is capable of producing 400,000 pieces per day.

Our innate pursuit for innovation and observance of technical regulations is supported by the company certification ISO 9001. The company has always considered its focus on quality as the main tool to obtain significant business results: today ITAP SpA is proud to offer products bearing the approval of numerous international certifying bodies.



> ITAP products have obtained approvals by more than 30 certification bodies from all over the world.





# METAL BOXES FOR MANIFOLDS

## 498 Metal box for manifolds

Complete with basement and support for floor installation.  
Equipped with plaster protection.



MEASURE	CODE	PACKING
500x500x(80-130)	498500500	1/1
600x500x(80-130)	498600500	1/1
700x500x(80-130)	498700500	1/1
800x500x(80-130)	498800500	1/1
900x500x(80-130)	498900500	1/1
1000x500x(80-130)	4981000500	1/1
1100x500x(80-130)	4981100500	1/1

### TECHNICAL SPECIFICATIONS

Enclosure, telescopic door frame and door in zincplated steel.

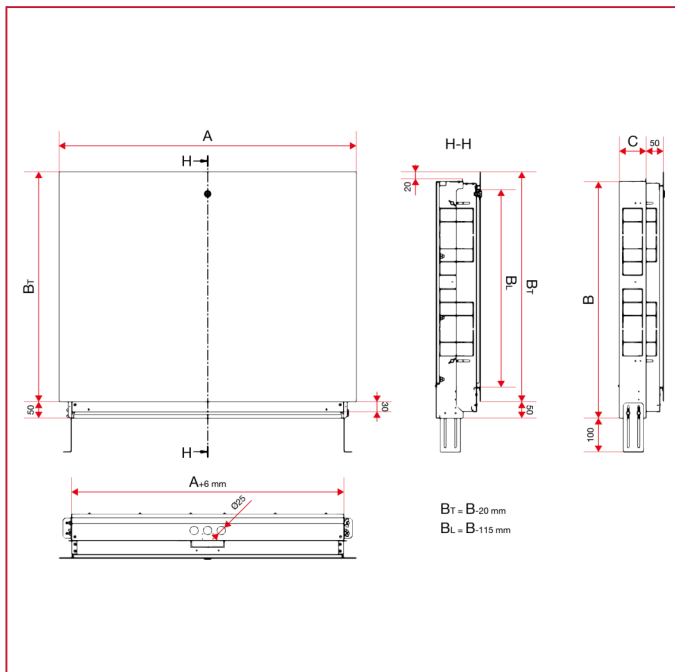
Painted door.

Adjustable depth: from mm. 80 to mm. 130.

Minimum depth for Itap manifolds installation: mm. 90.

Adjustable height: from mm. 600 to mm. 700.

### OVERALL DIMENSIONS

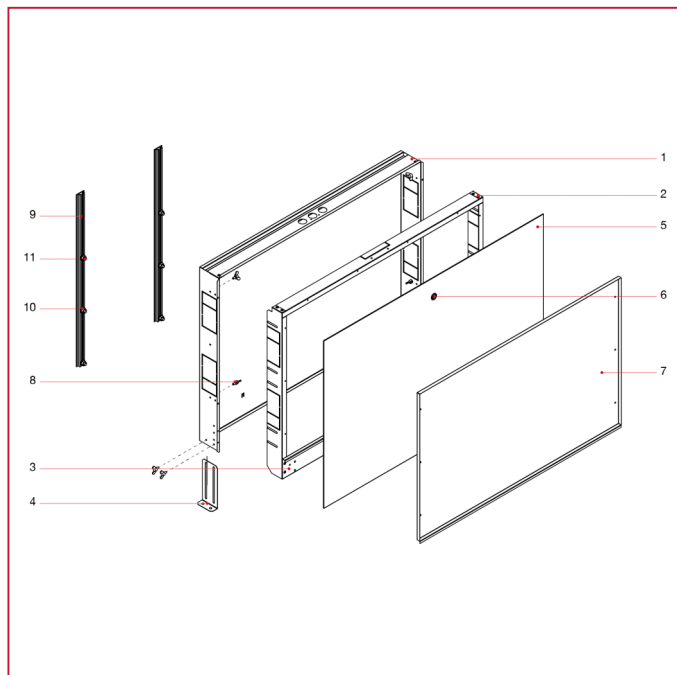


	500x500x (80-130)	600x500x (80-130)	700x500x (80-130)	800x500x (80-130)	900x500x (80-130)	1000x500 x(80-130)	1100x500 x(80-130)
A	500	600	700	800	900	1000	1100
B	600	600	600	600	600	600	600
C	80	80	80	80	80	80	80



# METAL BOXES FOR MANIFOLDS

## MATERIALS



POS.	DESCRIPTION	N.	MATERIAL
1	Body	1	EN 10346 DX51+Z MAC
2	Telescopic frame	1	EN 10346 DX51+Z MAC
3	Fixed baseboard	1	EN 10346 DX51+Z MAC
4	Support bracket	2	EN 10346 DX51+Z MAC
5	Wall cover	1	EN 10346 DX51+Z MAC
6	Locking	1	Nickel-plated Zamak
7	Plastering cover	1	EN 10346 DX51+Z MAC
8	Butterfly screw	8	Fe 5.5 Zn Cr3
9	Manifold support profile	2	EN 485-1 AW 6061
10	Flanged nut	6	Fe 5.5 Zn Cr3
11	Square-head screw	6	Fe 8.8 Zn Cr3

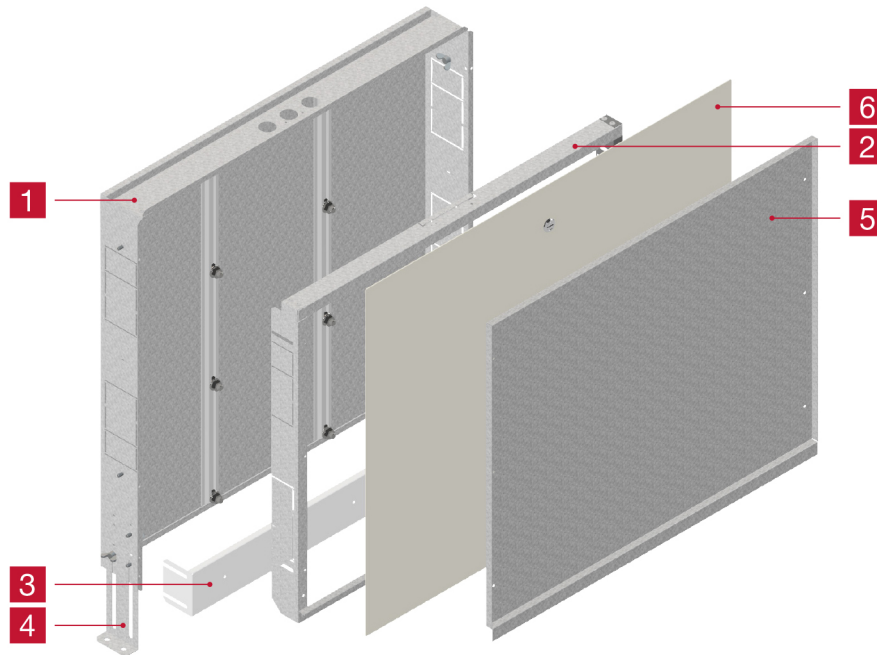


# METAL BOXES FOR MANIFOLDS

## INSTRUCTIONS



The 498 metal box for manifolds is the new practical, price-wise, and rational solution for civil engineering that grants protection of water and technical fluid distribution systems for modern radiant heating and cooling systems, water supply systems and heat metering systems.



1. Box
2. Telescopic frame
3. Front base
4. Foot
5. Metal plaster cover
6. Front pane

1) Our technical staff designed the whole structure entirely in galvanized steel compliant to EN 10346 type DX51+Z140 MACE. It is mechanically assembled, without welds, in order to guarantee robustness without compromising the zinc coating and corrosion protection.

2 - 3) The main box is provided with a telescopic frame extending depth of the available space up to 50 mm over the depth dimension indicated in the datasheet (mm 80).

The back of the box has a large Polypropylene anti-shrinkage net to ensure plaster adhesion.

4) The Adjustable feet let the box height to be raised up to 100 mm above height dimension indicated in the datasheet (mm 600).

5) The sheet metal plaster cover fits on the extended telescopic frame.

It saves the box and its content from construction yard debris, dust and accidental damage, the 10 mm flanges neatly cut the plaster surface leaving a clean window perfectly fitting for the front panel.

6) After removing the plaster cover adjustable frame can receive the overlap front panel. It's made from a single galvanized sheet metal part sporting a reinforced frame structure and a wide flange overlapping the wall.

The galvanized sheet metal is laminated with a special white RAL 9010 PVC film 100 micron thick which is protected from scratches, dirt and dust by a further removable coating made of a transparent 80 micron film to be peeled off at the very end of the installation process ensuring a rapid and professional outcome.



## METAL BOXES FOR MANIFOLDS

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The PVC coating is atoxic (food contact grade), in comparison to traditional painting processes (liquid or powder coating), it grants a higher and stable quality standard, better technical properties as to scratch resistance and durability, a much more sustainable environmental and energy impact.

The product range covers a wide spectrum of technical needs.



# METAL BOXES FOR MANIFOLDS

## 498R Metal box for manifolds - compact model

Complete with basement and support for floor installation.  
Equipped with plaster protection.



MEASURE	CODE	PACKING
500x450x(90-130)	498500450	1/1
600x450x(90-130)	498600450	1/1
700x450x(90-130)	498700450	1/1
850x450x(90-130)	498850450	1/1
1000x450x(90-130)	4981000450	1/1
1100x450x(90-130)	4981100450	1/1

### TECHNICAL SPECIFICATIONS

Zincplated steel enclosure, telescopic, door frame and door.

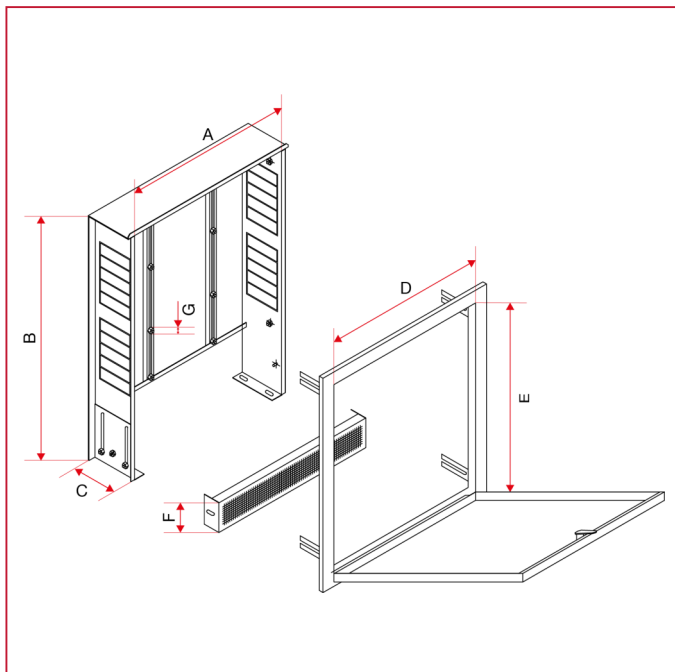
The telescopic door frame and the door are painted.

Adjustable depth: mm. 90 to mm. 130.

Minimum depth for Itap manifolds installation: mm. 90.

Overall height: mm. 575.

### OVERALL DIMENSIONS





## METAL BOXES FOR MANIFOLDS

	500x450x (90-130)	600x450x (90-130)	700x450x (90-130)	850x450x (90-130)	1000x450 x(90-130)	1100x450 x(90-130)
A	500	600	700	850	1000	1100
B	575	575	575	575	575	575
C	90 -130	90 -130	90 -130	90 -130	90 -130	90 -130
D	487	587	687	837	987	1087
E	450	450	450	450	450	450
F	70	70	70	70	70	70
G	M6	M6	M6	M6	M6	M6





## METAL BOXES FOR MANIFOLDS

### 498ST Mounting brackets in steel for metal boxes art. 498 and 498R

The set includes a pair of brackets with screws and fixings.  
For installation in box art. 498 - 498R:



#### 498STK

MEASURE	CODE	PACKING
3/4"	498ST034K	1/20
1"	498ST100K	1/20
1"1/4	498ST114K	1/20



#### 498STKM

MEASURE	CODE	PACKING
1"	498ST100KM	1/20



#### 498STKMB

MEASURE	CODE	PACKING
1"	498ST100KMB	1/20

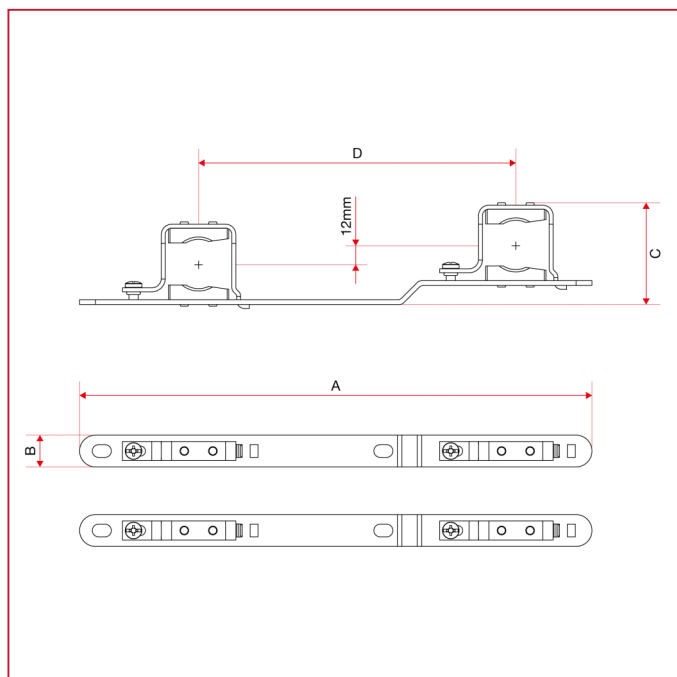
### TECHNICAL SPECIFICATIONS

- 498STK: Standard version: centres distance mm. 200, offset: 12mm. Suitable for outlets pipe up to 20mm.
- 498STKM: Deeper version: centres distance mm. 200, offset: 30mm. Suitable for outlets pipe up to 25mm.
- 498STKMB: Deeper version: centres distance mm. 211, offset: 30mm. Suitable for outlets pipe up to 25mm.



# METAL BOXES FOR MANIFOLDS

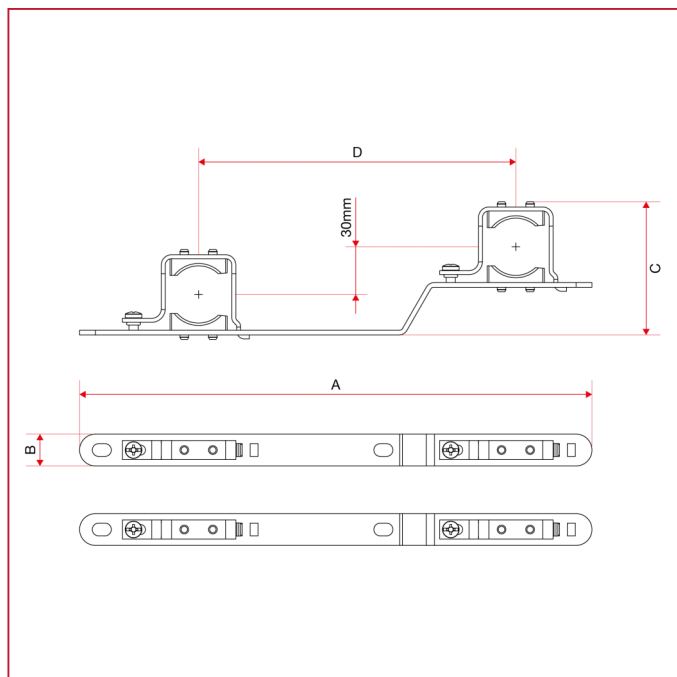
## OVERALL DIMENSIONS art.498STK



### 498STK

	3/4"	1"	1"1/4
A	323	323	323
B	20	20	20
C	64	66	73
D	200	200	200

## OVERALL DIMENSIONS art.498STKM



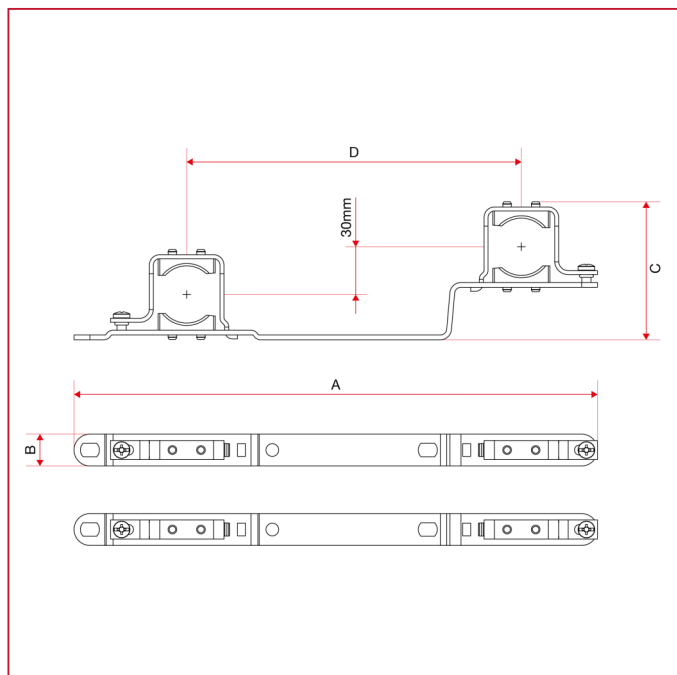


## METAL BOXES FOR MANIFOLDS

### 498STKM

	1"
A	323
B	20
C	84
D	200

### OVERALL DIMENSIONS art.498STKMB



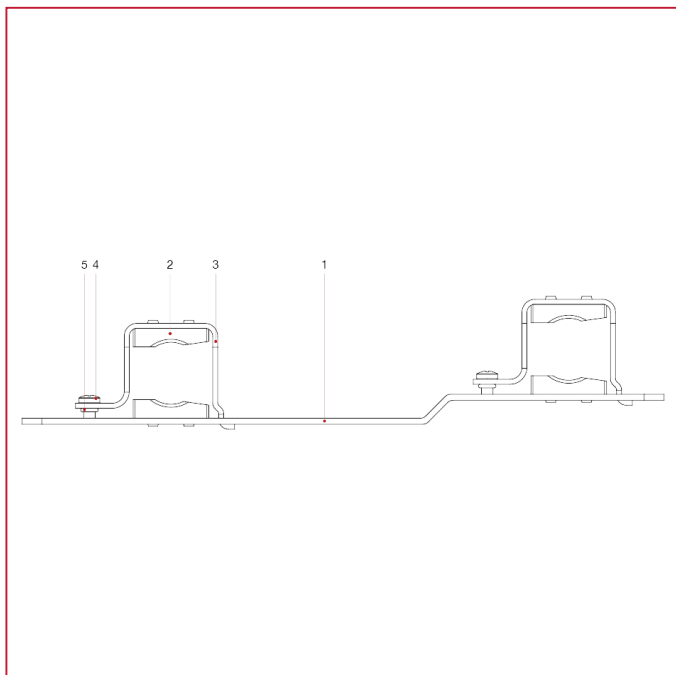
### 498STKMB

	1"
A	330
B	20
C	87
D	211



## METAL BOXES FOR MANIFOLDS

**MATERIALS art.498STK sizes 3/4" and 1"1/4**

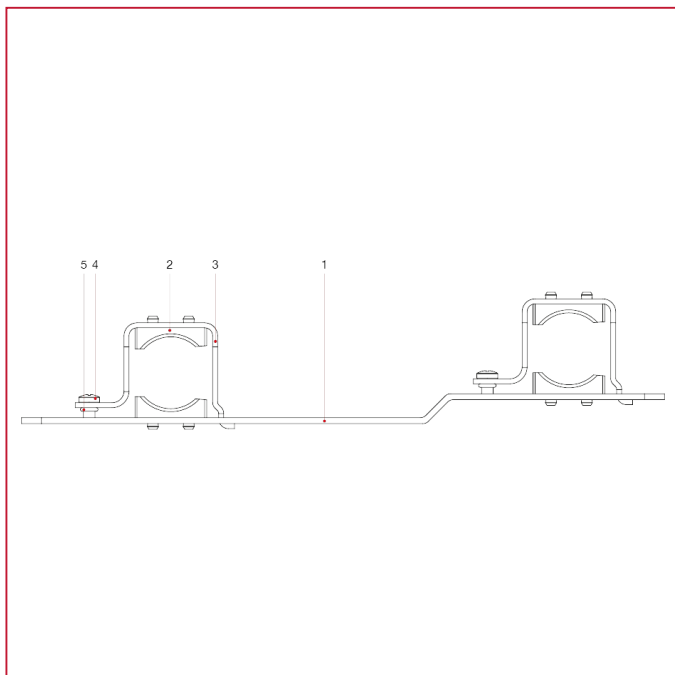


POS.	DESCRIPTION	N.	MATERIAL
1	Bracket	2	Steel-P11
2	Dowel	8	EPDM
3	Collar	4	Steel-P11
4	Screw	4	Zinc-plated steel C4C
5	O-ring	4	NBR



## METAL BOXES FOR MANIFOLDS

### MATERIALS art.498STK size 1"

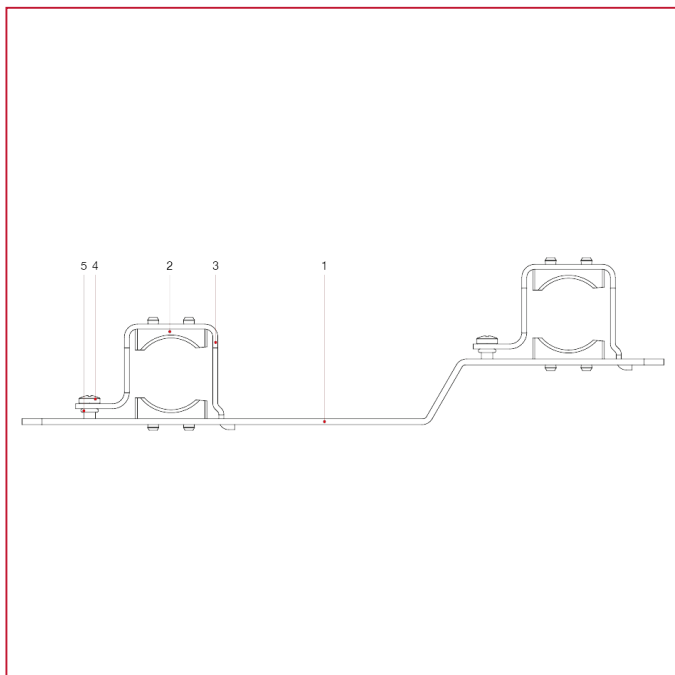


POS.	DESCRIPTION	N.	MATERIAL
1	Bracket	2	Steel-P11
2	Dowel	8	TPE - 95 SHORE A
3	Collar	4	Steel-P11
4	Screw	4	Zinc-plated steel C4C
5	O-ring	4	NBR



## METAL BOXES FOR MANIFOLDS

### MATERIALS art.498STKM

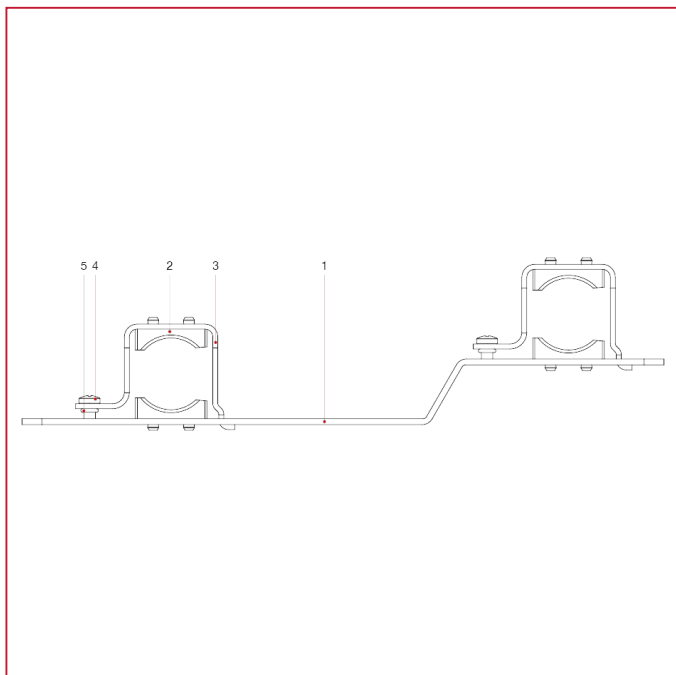


POS.	DESCRIPTION	N.	MATERIAL
1	Bracket	2	Steel-P11
2	Dowel	8	TPE - 95 SHORE A
3	Collar	4	Steel-P11
4	Screw	4	Zinc-plated steel C4C
5	O-ring	4	NBR



## METAL BOXES FOR MANIFOLDS

### MATERIALS art.498STKMB



POS.	DESCRIPTION	N.	MATERIAL
1	Bracket	2	Steel-P11
2	Dowel	8	TPE - 95 SHORE A
3	Collar	4	Steel-P11
4	Screw	4	Zinc-plated steel C4C
5	O-ring	4	NBR



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and changes to the products described  
herein and to the relative technical data, at  
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