

# Bettini



## GENERAL CATALOGUE OF PRODUCTS

ROOF SYSTEMS  
THERMAL INSULATION  
CELLAR DOORS  
AIR PASS VENTILATION GRID  
GARDEN  
URBAN FURNITURE  
MATERIAL HANDLING  
FLUE SYSTEM ACCESSORIES

2013  
**90**  
1923

**Bettini**  
A WORLD OF QUALITY AND IDEAS

# Bettini

## Since 1923... Tradition and constant innovation

The company, established in 1923, was born as a mechanical workshop for shearing and pressing metal with the idea of employing iron plate instead of cast iron in the production of radiators and pipes.

Following to the first successes, our range of products was enriched with accessories for stoves, heaters and boilers. We patented several articles, such as the clothes rack known as "Bologna type", the adjustable pipe collar and, for objects in contact with heat sources, a spiral constituting an effective and pleasant looking anti-burn handle.

For these basic productions, over the years, we have increased and renovated our machinery for all production phases (shearing, pressing, shaping, welding, painting and assembly).

Thanks to the experience gathered over time and to the research work carried out for these productions, we realize original and high quality articles meeting the needs of several sectors:

- **Mechanical bird deterrents (certified materials). Stainless steel, copper, polycarbonate, phosphor bronze**
- **Roof accessories**
- **Heat reflective multilayer insulators**
- **Multi-bubble reflective insulators**
- **Anti-vapour membranes**
- **Multi-pro heat reflective insulators: our flagship – innovative product – simplified laying**
- **Small parts for lighting systems, navigation, camping, bikes**
- **Wall and floor bike racks**
- **Balcony flower racks**
- **Benches for public and private furnishing**
- **Material handling carts**
- **Flue system articles**

**new!**

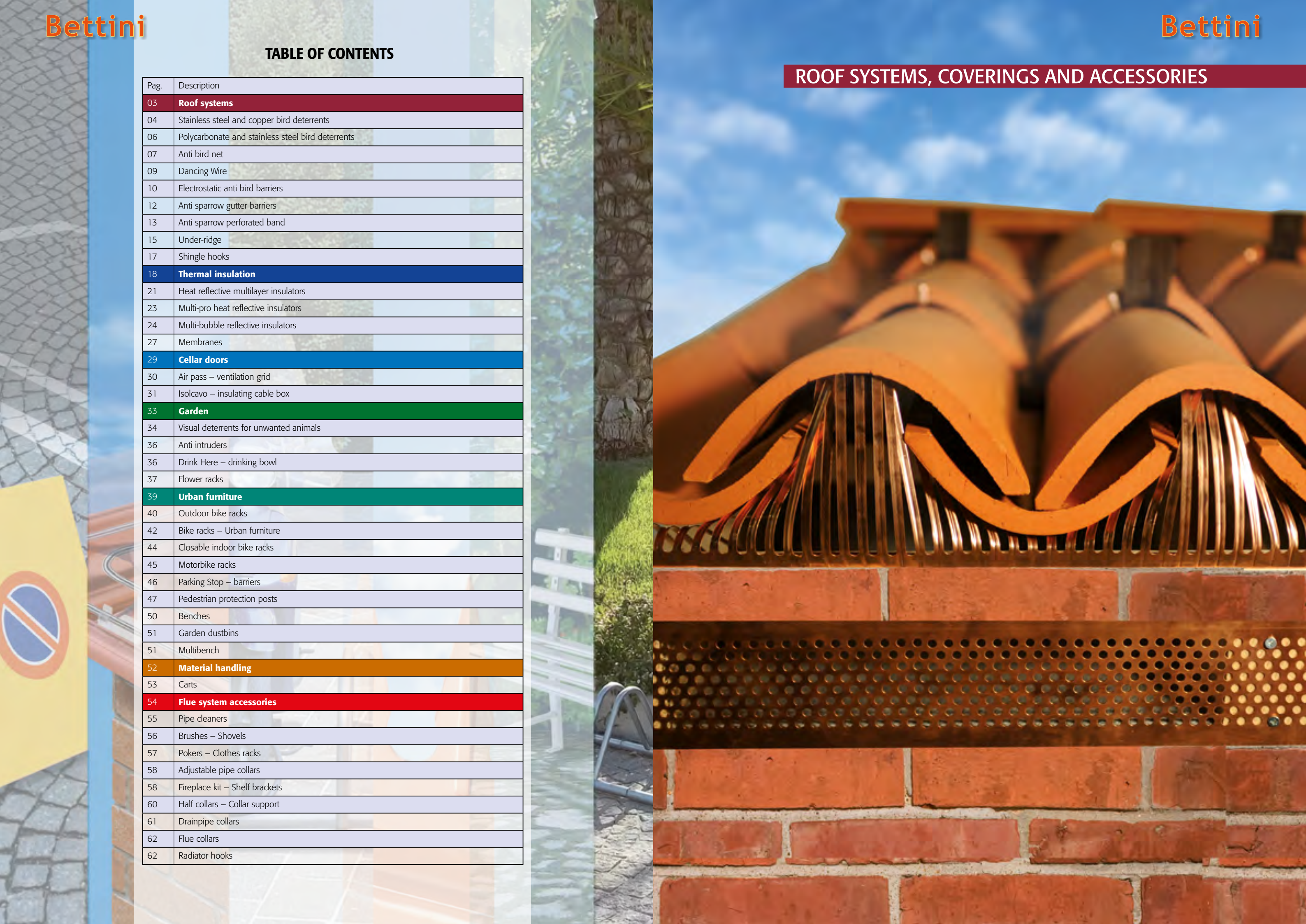
Our perfect balance between artisan care for the product and industrial organisation of the production allows us to offer an excellent price-quality ratio, along with a complete and qualified service.



TABLE OF CONTENTS

Pag.	Description
03	<b>Roof systems</b>
04	Stainless steel and copper bird deterrents
06	Polycarbonate and stainless steel bird deterrents
07	Anti bird net
09	Dancing Wire
10	Electrostatic anti bird barriers
12	Anti sparrow gutter barriers
13	Anti sparrow perforated band
15	Under-ridge
17	Shingle hooks
18	<b>Thermal insulation</b>
21	Heat reflective multilayer insulators
23	Multi-pro heat reflective insulators
24	Multi-bubble reflective insulators
27	Membranes
29	<b>Cellar doors</b>
30	Air pass – ventilation grid
31	Isolcavo – insulating cable box
33	<b>Garden</b>
34	Visual deterrents for unwanted animals
36	Anti intruders
36	Drink Here – drinking bowl
37	Flower racks
39	<b>Urban furniture</b>
40	Outdoor bike racks
42	Bike racks – Urban furniture
44	Closable indoor bike racks
45	Motorbike racks
46	Parking Stop – barriers
47	Pedestrian protection posts
50	Benches
51	Garden dustbins
51	Multibench
52	<b>Material handling</b>
53	Carts
54	<b>Flue system accessories</b>
55	Pipe cleaners
56	Brushes – Shovels
57	Pokers – Clothes racks
58	Adjustable pipe collars
58	Fireplace kit – Shelf brackets
60	Half collars – Collar support
61	Drainpipe collars
62	Flue collars
62	Radiator hooks

ROOF SYSTEMS, COVERINGS AND ACCESSORIES





STAINLESS STEEL AND COPPER BIRD DETERRENTS

They are an extremely effective and non-harmful deterrent against birds. With a minimum environmental impact, they provide hygiene and protection for our everyday-life places. Exceptional duration over time and effectiveness of deterrence. Suitable for wide, medium or tight surfaces, such as windowsills, column capitals, structural ties, walls, monuments, nesting spots.



Art. 01

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
01	Stainless steel AISI 304	Stainless steel AISI 302	30	100	10,5	50
01.TM	Stainless steel AISI 304	Stainless steel AISI 302	54	100	10,5	50
01.TM.SS	Stainless steel AISI 304	Stainless steel AISI 302	66	100	10,5	50
01.R	Copper	Stainless steel AISI 302	30	100	10,5	50
01.RR	Copper	Phosphor Bronze	30	100	10,5	50



Art. 02

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
02	Stainless steel AISI 304	Stainless steel AISI 302	30	100	10,5	50
02.TM	Stainless steel AISI 304	Stainless steel AISI 302	54	100	10,5	50
02.TM.SS	Stainless steel AISI 304	Stainless steel AISI 302	66	100	10,5	50
02.R	Copper	Stainless steel AISI 302	30	100	10,5	50
02.RR	Copper	Phosphor Bronze	30	100	10,5	50



Art. 03

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
03	Stainless steel AISI 304	Stainless steel AISI 302	54	100	10,5	50
03.SS	Stainless steel AISI 304	Stainless steel AISI 302	66	100	10,5	50
03.SS.110	Stainless steel AISI 304	Stainless steel AISI 302	66	100	10,5	50
03.R	Copper	Stainless steel AISI 302	54	100	10,5	50
03.RR	Copper	Phosphor Bronze	54	100	10,5	50



Art. 03.A DOUBLE SPIKE DETERRENT  
rigid stainless steel base

SPIKES ARE SLANTING ON ONE SIDE ONLY (ONE STRAIGHT, ONE OBLIQUE ON JUST ONE SIDE).

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
03.A	Stainless steel AISI 304	Stainless steel AISI 302	54	100	10,5	50

Art. 11 SINGLE SPIKE DETERRENT  
Longitudinal – rigid stainless steel base

SPIKES ARE ROUNDED AND ARRANGED LONGITUDINALLY TO THE BASE. GREAT FLEXIBILITY, EASY TO SECTION.

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
11	Stainless steel AISI 304	Stainless steel AISI 302	40	100	10,5	25
02.R	Copper	Stainless steel AISI 302	40	100	10,5	25
11.RR	Copper	Phosphor Bronze	40	100	10,5	25

Art. 12 SINGLE SPIKE DETERRENT  
Transverse – rigid flexible stainless steel base

SPIKES ARE ROUNDED AND ARRANGED TRANSVERSALLY TO THE BASE. GREAT FLEXIBILITY, EASY TO SECTION.

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
12	Stainless steel AISI 304	Stainless steel AISI 302	40	100	10,5	25
12.R	Copper	Stainless steel AISI 302	40	100	10,5	25
12.RR	Copper	Phosphor Bronze	40	100	10,5	25

Art. 13 MULTIPLE SPIKE DETERRENT  
Longitudinal – flexible base

SPIKES ARE ALTERNATIVELY TRANSVERSE AND LONGITUDINAL TO THE BASE. GREAT FLEXIBILITY, EASY TO SECTION.

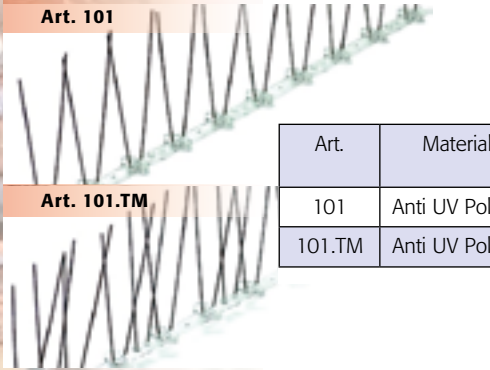
Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
13	Stainless steel AISI 304	Stainless steel AISI 302	80	100	10,5	25
13.R	Copper	Stainless steel AISI 302	80	100	10,5	25
13.RR	Copper	Phosphor Bronze	80	100	10,5	25
13.60	Stainless steel AISI 304	Stainless steel AISI 302	60	100	10,5	25
13.60.R	Copper	Stainless steel AISI 302	60	100	10,5	25
13.60.RR	Copper	Phosphor Bronze	60	100	10,5	25

Art. 13



POLYCARBONATE AND STAINLESS STEEL BIRD DETERRENTS

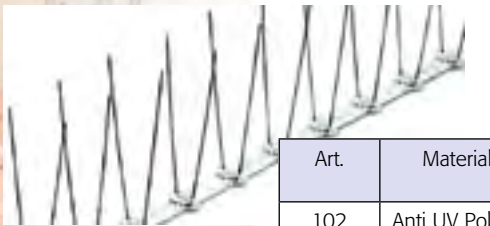
Very resistant and flexible, quite easy to install. The peculiar structure of the base, made of polycarbonate, allows the insulation of the spikes and extreme flexibility. The base is made of transparent anti-UV polycarbonate. Resistant to temperatures between -25°C and +140°C.



Art. 101 SINGLE SPIKE DETERRENT Longitudinal

ROUNDED SPIKES, ARRANGED LONGITUDINALLY TO THE BASE.

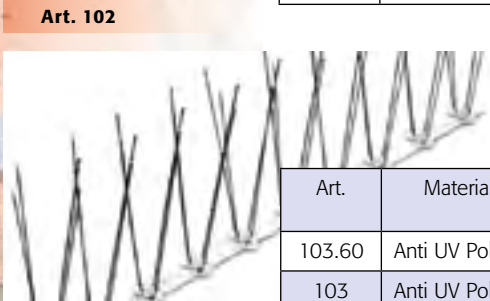
Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
101	Anti UV Polycarbonate	Stainless steel AISI 302	20	50	10,5	50
101.TM	Anti UV Polycarbonate	Stainless steel AISI 302	30	50	10,5	50



Art. 102 SINGLE SPIKE DETERRENT Transverse

ROUNDED SPIKE, ARRANGED TRANSVERSALLY TO THE BASE, EASY TO SECTION.

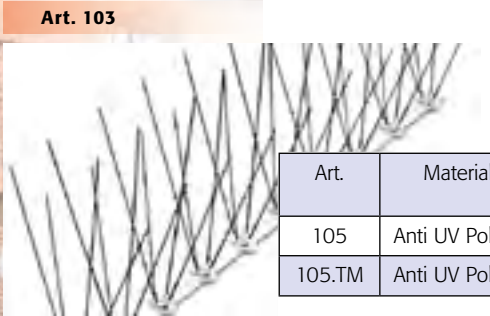
Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
102	Anti UV Polycarbonate	Stainless steel AISI 302	20	50	10,5	50



Art. 103 MULTI SPIKE DETERRENT

ROUNDED SPIKES, ARRANGED LONGITUDINALLY AND TRANSVERSALLY TO THE BASE. SUITABLE FOR WIDE SURFACES.

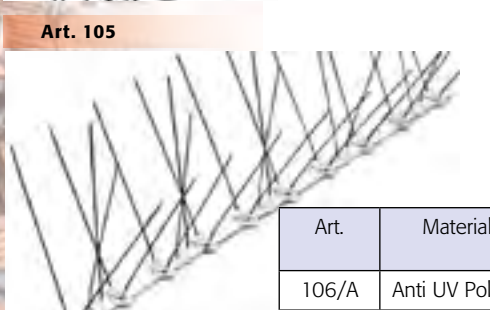
Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
103.60	Anti UV Polycarbonate	Stainless steel AISI 302	30	50	10,5	50
103	Anti UV Polycarbonate	Stainless steel AISI 302	40	50	10,5	50



Art. 105 MULTI SPIKE DETERRENT FOR WIDE SURFACES

ROUNDED SPIKES ARRANGED TRANSVERSALLY AND LONGITUDINALLY TO THE BASE.

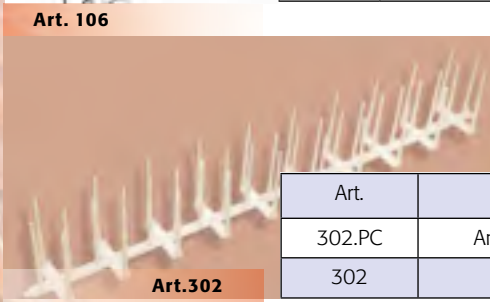
Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
105	Anti UV Polycarbonate	Stainless steel AISI 302	40	50	10,5	50
105.TM	Anti UV Polycarbonate	Stainless steel AISI 302	50	50	10,5	50



Art. 106 MULTI SPIKE DETERRENT 15-7 cm opening

ROUNDED SPIKES ARRANGED TRANSVERSALLY AND LONGITUDINALLY TO THE BASE. DOUBLE OPENING: 15 AND 7 CM.

Art.	Material – base	Material – spikes	No. spikes	Base length cm	Spike height cm	Linear pack. m
106/A	Anti UV Polycarbonate	Stainless steel AISI 302	30	50	10,5	50



Art. 302 MULTI TIP DETERRENT

BLUNT TIPS ARRANGED PERPENDICULARLY TO THE BASE.

Art.	Material – base	No. spikes	Base length cm	Spike height cm	Linear pack. m
302.PC	Anti UV Polycarbonate	40	50	7,5	50
302	Polyethylene	40	50	7,5	50

Art. 8110 GUTTER GUARD

IDEAL TO PREVENT GUTTERS FROM CLOGGING WITH LEAVES OR ANY OTHER OBJECT THAT COULD OBSTRUCT THE FLOW OF WATER.

THEY ARE AVAILABLE IN STEEL OR POLYPROPYLENE AND THEIR LAYING IN PLACE IS QUICK, EASY AND SAFE. THE GRIDS HAVE SQUARE HOLES (10 X 10 MM) AND DIFFERENT SIZES CAN BE PROVIDED ON DEMAND.

STAINLESS STEEL VERSIONS COME WITH 6 FASTENING HOOKS AND 2 GRIDS.

POLYPROPYLENE GRIDS COME IN 6 M LONG ROLLS, EACH ONE EQUIPPED WITH 12 FASTENING STICKS.

Article	Material	Colour	Length cm	Width cm	Pack. m	Pack. rolls
8110/PVC/18	Polypropylene	Brown	600	180	6	12
8110/PVC/24	Polypropylene	Brown	600	240	6	12
8110/IX	Stainless steel	Steel	50	165	1	

Art. 8017 UNIVERSAL LEAF GUARD

SUITABLE FOR PIPE UNIONS AND DRAINPIPES, IT PREVENTS GUTTERS FROM CLOGGING WITH LEAVES AND DEBRIS. TO BE INSTALLED ON THE TOP OPENING OF GUTTER PIPES TO PREVENT THEIR BLOCKAGE.

Article	Material	Package
8017.PP	Black Polypropylene	100 Pcs
8017.R	Copper	20 Pcs
8017.IX	Stainless Steel	50 Pcs
8017.Z	Galvanized Steel	50 Pcs

ANTI BIRD NET

It is one of the most effective systems to protect buildings and other structures from the perching and nesting of birds. It is particularly suitable for the covering of inner courtyards, where the application of other systems would be expensive. Perfect for covering roofs, to prevent pigeons, starlings and sparrows from damaging the integrity of the shingles and weaken their resistance. It stops birds from using the support structure of industrial buildings as rest or nesting spots.

FASTENING: the net is fastened through a tension cable which will delimit the area to protect.

Art. RT01 ANTI BIRD NET

NET OF HIGH-DENSITY INTERWOVEN AND TIED POLYETHYLENE THREADS. STABILIZED AGAINST UV RAYS TO ENSURE THE BEST RESISTANCE TO WEATHER AGENTS. DIFFERENT SIZES AVAILABLE ON DEMAND, MINIMUM SIZE: 5 X 5 M AND MULTIPLES OF 5 M. CUSTOM MADE SIZES AVAILABLE.

COLOURS: BLACK, STONE AND TRANSLUCENT (TRANSPARENT).

THREE TYPES OF MESH FOR DIFFERENT BIRDS: 19 MM FOR SPARROWS, 28 MM FOR STARLINGS, 50 MM FOR PIGEONS.

Article	Description	Colour	Mesh mm	Package
RT01.19	Anti bird net	Black	19 x 19	Cuts: multiple of 5 m
RT01.28	Anti bird net	Black	28 x 28	Cuts: multiple of 5 m
RT01.50	Anti bird net	Black	50 x 50	Cuts: multiple of 5 m
RT01.19.TM	Anti bird net	Black	19 x 19	Cuts: customised
RT01.28.TM	Anti bird net	Black	28 x 28	Cuts: customised
RT01.50.TM	Anti bird net	Black	50 x 50	Cuts: customised
RT02.19	Anti bird net	Stone	19 x 19	Cuts: multiple of 5 m
RT02.28	Anti bird net	Stone	28 x 28	Cuts: multiple of 5 m
RT02.50	Anti bird net	Stone	50 x 50	Cuts: multiple of 5 m
RT02.19.TM	Anti bird net	Stone	19 x 19	Cuts: customised
RT02.28.TM	Anti bird net	Stone	28 x 28	Cuts: customised
RT02.50.TM	Anti bird net	Stone	50 x 50	Cuts: customised
RT04.19	Anti bird net	Translucent	19 x 19	Cuts: multiple of 5 m
RT04.28	Anti bird net	Translucent	28 x 28	Cuts: multiple of 5 m
RT04.50	Anti bird net	Translucent	50 x 50	Cuts: multiple of 5 m
RT04.19.TM	Anti bird net	Translucent	19 x 19	Cuts: customised
RT04.28.TM	Anti bird net	Translucent	28 x 28	Cuts: customised
RT04.50.TM	Anti bird net	Translucent	50 x 50	Cuts: customised



Art. 8110



Art. 8017



Art.RT 02/50





Art. RT 01 IGN



Art. RT05



Art. RT06



Art. RT07



Art. RT08



Art. RT09M



Art. RT09TPA



Art. RT09TI



Art. RT09N

Art. RT01.IGN FIREPROOF ANTI BIRD NET

FIREPROOF FLAME RETARDANT NET. MADE OF INTERWOVEN AND TIED POLYETHYLENE THREADS. STABILIZED AGAINST UV RAYS TO ENSURE THE BEST RESISTANCE TO WEATHER AGENTS. DIFFERENT SIZES AVAILABLE ON DEMAND, MINIMUM SIZE: 5 X 5 M AND MULTIPLES OF 5 M. CUSTOM MADE SIZES AVAILABLE. COLOURS: BLACK, RED. TWO TYPES OF MESH FOR DIFFERENT BIRDS: 19 MM FOR SPARROWS AND 50 MM FOR PIGEONS.

Article	Description	Colour	Mesh mm	Package
RT01.19 IGN	Fireproof anti bird net	Black - Red	19 x 19	Cuts: multiple of 5 m
RT01.50 IGN	Fireproof anti bird net	Black - Red	50 x 50	Cuts: multiple of 5 m
RT01.19 IGN.TM	Fireproof anti bird net	Black - Red	19 x 19	Cuts: customised
RT01.50 IGN.TM	Fireproof anti bird net	Black - Red	50 x 50	Cuts: customised

Art. RT05 TENSION CABLE for anti bird net

TO DELIMIT THE INSTALLATION PERIMETER OF THE NET. IT ENSURES PERFECT TENSION AND FASTENING OF THE ANTI BIRD NET ON THE STRUCTURE TO PROTECT.

Article	Description	Material	Diameter mm	Roll length m
RT05.Z	Tension cable	Galvanized wire	2	100
RT05.I2	Tension cable	Stainless steel wire	2	100
RT05.I09	Tension cable	Stainless steel wire	0,9	100

Art. RT06 CLIP FOR TENSION CABLE for anti bird net

TO SECURE THE TENSION CABLE TO ITS PLUGS AND CYLINDRICAL TENSIONERS. AVAILABLE WITH CLIP-FASTENING PLIERS, USEFUL TO CLOSE THE CLIPS WITH A MINIMUM EFFORT.

Article	Description	Material	Hole diameter mm	Package
RT06.A	Clip	Aluminium	2,5	100 Pcs
RT06.R1	Clip	Copper	1	100 Pcs
RT06.R25	Clip	Copper	2,5	20 Pcs
RT07	Clip-fastening pliers	-	-	1 Pc

Art. RT08 TENSIONER for anti bird net

ACCESSORY TO PULL CORRECTLY THE TENSION CABLE. IT IS ESSENTIAL TO KEEP THE CABLE WELL TIGHTENED. AVAILABLE IN STAINLESS STEEL OR GALVANIZED STEEL, IN SEVERAL SIZES (M4, M5 AND M6)

Article	Description	Material	Size	Package
RT08.A4	Tensioner	Stainless Steel	M4	4 Pcs
RT08.Z4	Tensioner	Galvanized Steel	M4	4 Pcs
RT08.A5	Tensioner	Stainless Steel	M5	4 Pcs
RT08.Z5	Tensioner	Galvanized Steel	M5	4 Pcs
RT08.A6	Tensioner	Stainless Steel	M6	4 Pcs
RT08.Z6	Tensioner	Galvanized Steel	M6	4 Pcs

Art. RT09M CLAMP FOR TENSION CABLE for anti bird net

ACCESSORY TO SECURE THE 2 MM TENSION CABLE TO ITS PLUGS OR TENSIONERS. AVAILABLE IN STAINLESS OR GALVANIZED STEEL.

Article	Description	Material	Package
RT09.MI	Clamp	Stainless Steel	10 Pcs
RT09.MZ	Clamp	Galvanized Steel	10 Pcs

Art. RT09T PLUGS for anti bird net

ACCESSORIES FOR INTERMEDIATE ANCHORAGE OF THE TENSION CABLE, TO BE USED WHERE THE CABLE IS STRETCHED THE MOST. OUR ARRAY INCLUDES STAINLESS OR GALVANIZED STEEL ITEMS, WITH OPEN OR CLOSED GROMMETS, HAMMER AND NYLON PLUGS, ALL AVAILABLE IN SEVERAL DIAMETERS. THE NYLON PLUG IS SUITABLE FOR INTERMEDIATE ANCHORAGE SPOTS, ESPECIALLY FOR BRICK WALLS AND IN SYSTEMS WITH STAINLESS STEEL COMPONENTS. HAMMER PLUGS ARE RECOMMENDED FOR INTERMEDIATE ANCHORAGE SPOTS WHERE THE CABLE IS STRETCHED THE MOST. QUICK TO LAY IN PLACE.

Article	Description	Material	Size	Package
RT09.TI6	Plug with grommet	Stainless Steel	M6	10 Pcs
RT09.TZ6	Plug with grommet	Galvanized Steel	M6	10 Pcs

Art. RT10 NET-FASTENING STAPLES for anti bird net

IDEAL TO CONNECT THE NET TO THE TENSION CABLE. TO BE APPLIED WITH THEIR OWN STAPLER.

Article	Description	Material	Package
RT10.CF	Net-fastening staples	Iron	2500 Pcs
RT10.CIX	Net-fastening staples	Stainless steel	2500 Pcs
RT10.CA	Net-fastening staples	Aluminium	2500 Pcs
RT11	Stapler	Steel	1 Pc

DANCING WIRE

Protection device consisting of stainless steel elements, with special brackets and springs, of almost no visual impact. Suitable for the bird control in areas usually frequented by people, where spike deterrents and electrostatic devices are not recommended (railings, balustrades, windowsills, windows, moving objects).

Art. 330 DANCING WIRE

SEVEN INTERTWINED STEEL WIRES, COVERED IN NYLON, STABILIZED AGAINST UV RAYS. SUPPORTS A LOAD OF 22 KG.

Article	Description	Material	Diameter mm	Package
330	Dancing wire	Stainless Steel covered with Nylon	0,7	100 m

Art. 331 STICKS ON NYLON BASE

TO BE FIXED WITH SILICONE IN PLACES WHERE IT IS IMPOSSIBLE TO DRILL HOLES TO INSTALL THE DANCING WIRE. AVAILABLE SEPARATELY OR PRE-ASSEMBLED.

Article	Description	Material	Diameter mm	Height mm	Package
331.125	Steel stick on nylon base of 40 x 40 mm	Nylon and Stainless Steel	4	125	10 Pcs
331.95	Steel stick on nylon base of 40 x 40 mm	Nylon and Stainless Steel	4	95	10 Pcs

Art. 332 BASE NYLON

Article	Description	Material	Size mm	Package
332	Base for sticks	Nylon	40 x 40	10 Pcs

Art. 333 STICKS

Article	Description	Material	Diameter mm	Height mm	Package
333.125	Steel stick	Stainless Steel	4	125	100 Pcs
333.95	Steel stick	Stainless Steel	4	95	100 Pcs

Art. 333 G STICKS WITH GUTTER CLAMP

TO FASTEN THE DANCING WIRE ON GUTTERS. MAXIMUM OPENING: 2 CM. TO BE INSTALLED EVERY 1,5 m WITH THE CLAMPING NUT INSIDE THE GUTTER. TO PREVENT THE NUTS FROM DAMAGING THE GUTTER, THEY COME TOGETHER WITH A PIECE OF PROTECTIVE PLASTIC.

Article	Description	Material	Diameter mm	Height mm	Package
333 G	Stick and clamp with 10 mm clamping nut	Stainless Steel	4	95	10 Pcs

Art. 333 T STICKS WITH JOIST CLAMP

TO FASTEN THE DANCING WIRE ON THE JOISTS. MAXIMUM OPENING 2 CM. TO BE INSTALLED EVERY 1,5 MT.

Article	Description	Material	Diameter mm	Height mm	Package
333 T	Stick and clamp with 10 mm clamping nut	Stainless Steel	4	95	10 Pcs

Art. 333 PT STICKS FOR PIPES

TO FASTEN THE WIRE ON PIPES AND CABLES. IN ORDER TO SECURE THE STICK, USE A METAL OR NYLON BAND OF SUITABLE SIZE FOR THE SUPPORT (BANDS ARE NOT INCLUDED). THE CENTRAL HOLE ON THE BASE ALLOWS ADDITIONAL INSTALLATION POSSIBILITIES IN PARTICULAR CASES.

Article	Description	Material	Diameter mm	Height mm	Package
333 PT	Stick for pipes	Stainless Steel Aisi 316	4	95	10 Pcs



Art. RT10

Art. RT11



Art. 330



Art. 331



Art. 332



Art. 333 G



Art. 333 PT








ELECTROSTATIC ANTI BIRD BARRIERS.

Public and private structures, monuments, as well as cornices and the walls underneath, are oftenly damaged by birds. On the one hand they cause considerable material damage, with high restoration costs, on the other hand they carry diseases and parasites which are extremely harmful to humans. Our device consists in a 220 V electrical box which generates and emits electrostatic pulses (extremely short voltage peaks) on all structures to be protected. The electrostatic pulses stop the birds while being completely harmless both for humans and animals. The installation of an ELECTROSTATIC ANTI BIRD BARRIER allows to reduce maintenance costs with an insignificant consume of electric energy. It is ideal to preserve the structures of photovoltaic plants and solar panels, protecting them from birds which would make the panels dirty, thus reducing their output. The energy is distributed through stainless steel rings, with polycarbonate anti UV brackets connected with a little high-voltage cable. Altogether, the coverage of the device creates an extremely effective electrostatic device able to repel any kind of bird.

Art. 303 ANTI BIRD ELECTRICAL BOX

THE ANTI BIRD ELECTRICAL BOX FEATURES THE CE CERTIFICATION  IT IS A CLEVER GENERATOR OF HIGH VOLTAGE WITH LOW INTENSITY, UNDOUBTEDLY EFFECTIVE BUT AT THE SAME TIME HARMLESS FOR BIRDS, IN COMPLIANCE WITH THE NORMS OF ENVIRONMENTAL ASSOCIATIONS. THE DISSUASION THROUGH ELECTROSTATIC MEANS DOES NOT DAMAGE ANIMALS, PEOPLE OR OBJECTS IN ANY WAY.



Dimensions: 285 X 215 X 150 mm				Protection grade: IP56 - Heat resistance: min. -25°C max. +130°C – Certification – CE				
Supply	Mains Frequency	Absorption	Output Operating Voltage	Output Operating Energy	Interval between Pulses	Functioning temperature	Fire Resistance	Impact Resistance
220 V	50 Hz	35 – 50 Ma	2 – 8 Kv adjustable	1,3 J	> 1"	Min. -20° C; Max. +50° C	Self-estinguishing	IK 05
Article	Max. system length m			Package				
303/200	200			1 Pc				
303/500	500			1 Pc				
303/1000	1000			1 Pc				

Art. 304 STAINLESS STEEL CONDUCTORS for electrostatic anti bird barrier

CONDUCTOR FOR THE POWER LINE, FOR THE CREATION OF A NEGATIVE – POSITIVE LINE, TO BE FASTENED WITH DEDICATED POLYCARBONATE SUPPORTS.

Article	Description	Diameter mm	Length cm	Package
304	Stainless Steel rod conductor Aisi 304/ smooth end	3	150	100 Pcs

Art. 305 POLYCARBONATE ANTI UV SUPPORTS for electrostatic anti bird barrier

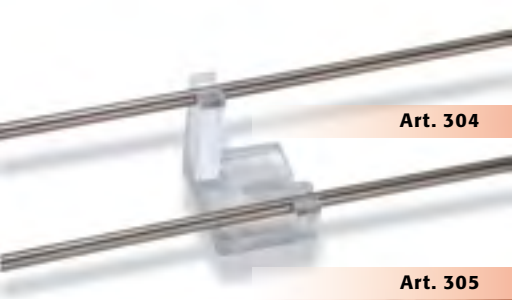
SUPPORT FOR THE INSTALLATION OF THE STAINLESS STEEL CONDUCTORS, BOTH FOR THE NEGATIVE AND FOR THE POSITIVE POLE. SECURE WITH WALL PLUGS AND WITH SCREWS, RIVETS OR SPECIAL SILICONE. PLACE AT A DISTANCE OF ABOUT 30 CM FROM EACH OTHER. RESISTS TO TEMPERATURES BETWEEN -25°C AND +140°C.

Article	Description	Package
305	Transparent supports of anti UV polycarbonate	225 Pcs

Art. 306 JOINTS for electrostatic anti bird barrier

SUITED FOR JOINING THE STAINLESS STEEL CONDUCTORS, FOR A FAST CONNECTION, TO AVOID VOLTAGE DISPERSION.

Article	Description	Material	Diameter mm	Length mm	Package
306	Elastic spiral joints	Stainless Steel	4	30	50 Pcs



Art. 306

Art. 304

Art. 305

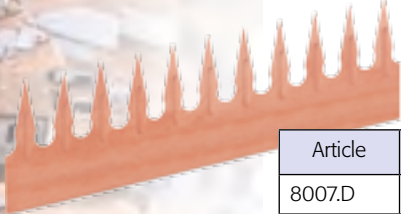


ANTI SPARROW GUTTER BARRIER

This array of articles provides for complete bird control through gutter-based barriers and at the same time allows an optimal ventilation of the under eave. Ventilation is ensured by the wide openings at the base of the spikes.

The exclusive design and valuable material, such as copper, ensure a high aesthetic level.

Really simple and quick to lay in place thanks to screws, rivets or copper on copper soldering. They adapt to any kind of roof tile and can be applied on gutters, on the front of the last shingle. They guarantee most effective anti-nesting action.

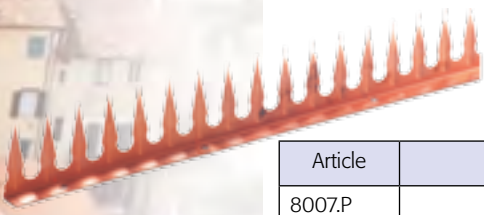


Art. 8007.D

Art. 8007.D FRONTAL ANTI SPARROW SHINGLE BARRIER

STRAIGHT BLUNT TIPS. AVAILABLE IN 1 m LONG BARS OR 50 m LONG ROLLS.

Article	Material	Length m	Height mm	Thickness mm	Package m
8007.D	Copper	1 - 50	55 - 65 - 70 - 75 - 85	0,5	50

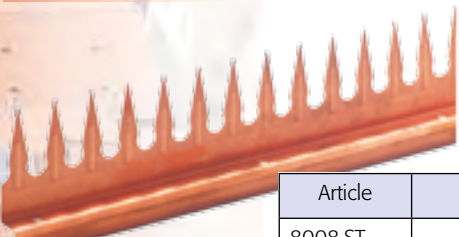


Art. 8007.P

Art. 8007.P BENT ANTI SPARROW GUTTER BARRIER

BLUNT STRAIGHT TIPS. BASE TILTED AT 90°. AVAILABLE IN 1 m LONG BARS.

Article	Material	Length m	Height mm	Thickness mm	Package m
8007.P	Copper	1	40, 45, 50, 55, 60, 70	0,5	50

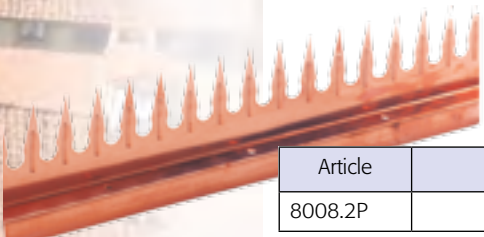


Art. 8008.ST

Art. 8008.ST ROUNDED ANTI SPARROW GUTTER BARRIER

BLUNT STRAIGHT TIPS. BASE TILTED AT 90°. AVAILABLE IN 1 m LONG BARS.

Article	Material	Length m	Height mm	Thickness mm	Package m
8008.ST	Copper	1	55	0,5	50



Art. 8008.2P

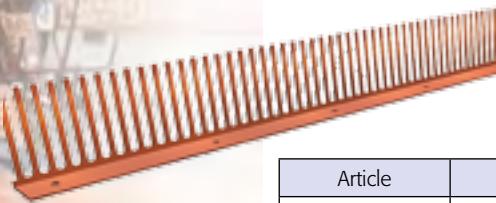
Art. 8008.2P ROUNDED ANTI SPARROW GUTTER BARRIER

BLUNT STRAIGHT TIPS. BASE TILTED AT 90°. AVAILABLE IN 1 m LONG BARS.

Article	Material	Length m	Height mm	Thickness mm	Package m
8008.2P	Copper	1	55	0,5	50

VENTILATION ANTI SPARROW BARRIER

Suitable for any kind of tile and shingle. It ensures perfect ventilation of the under eave area and stops the intrusion of birds. Optimal aeration of the ventilation chamber along the gutter line.



Art. 8009/6

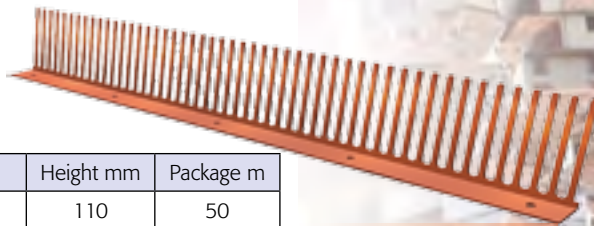
Art. 8009/6 ANTI SPARROW COMB

6 CM TALL ANTI SPARROW COMB

Article	Material	Colour	Length cm	Height mm	Package m
8009/6/R	Copper	Copper	100	60	75
8009/6/PP	Polypropylene	Black RAL 9005	100	60	200
8009/6/PV	Pre-painted metal sheet	Dark Brown RAL 8019	100	60	75
8009/6/PR	Polypropylene	Brick Red RAL 8004	100	60	200

Art. 8009/11 ANTI SPARROW COMB

11 CM TALL ANTI SPARROW COMB



Art. 8009

Article	Material	Colour	Length cm	Height mm	Package m
8009/11/R	Copper	Copper	100	110	50
8009/11/PP	Polypropylene	Black RAL 9005	100	110	200
8009/11/PV	Pre-painted metal sheet	Dark Brown RAL 8019	100	110	50
8009/11/PR	Polypropylene	Brick Red RAL 8004	100	110	200

Art. 8009/A VENTILATION ANTI SPARROW COMB

SUITABLE FOR ANY KIND OF TILE OR SHINGLE. ENSURES A PERFECT VENTILATION OF THE AREA UNDER THE SHINGLES AND STOPS THE INTRUSION OF BIRDS. FEATURES A VENTILATION GRID UNDERNEATH. RESISTANT TO UV RAYS.



Art. 8009/A

Article	Material	Colour	Length m	Height mm	Package m
8009/PP/A	Polypropylene	Red, Brown, Black	1	85	50

ANTI SPARROW PERFORATED BAND

Art. 8016 ANTI SPARROW PERFORATED BAND

ENSURES PERFECT AERATION OF THE VENTILATION CHAMBER ALONG THE GUTTER LINE AND STOPS THE INTRUSION OF BIRDS. SIZES 165, 200, 250, 330, 400 AVAILABLE ON THE CUSTOMER'S DEMAND.



Art. 8016

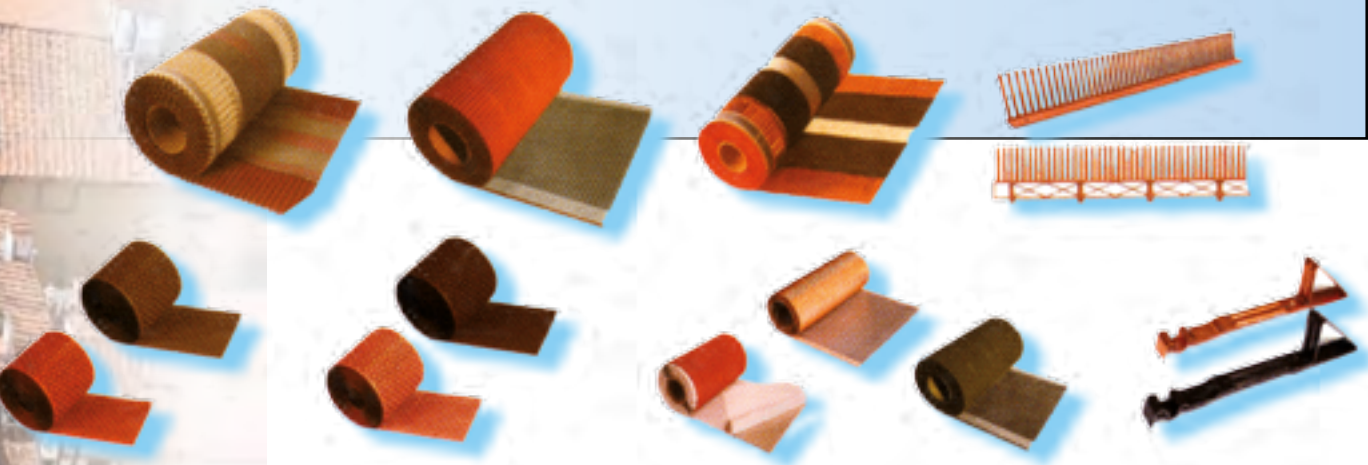
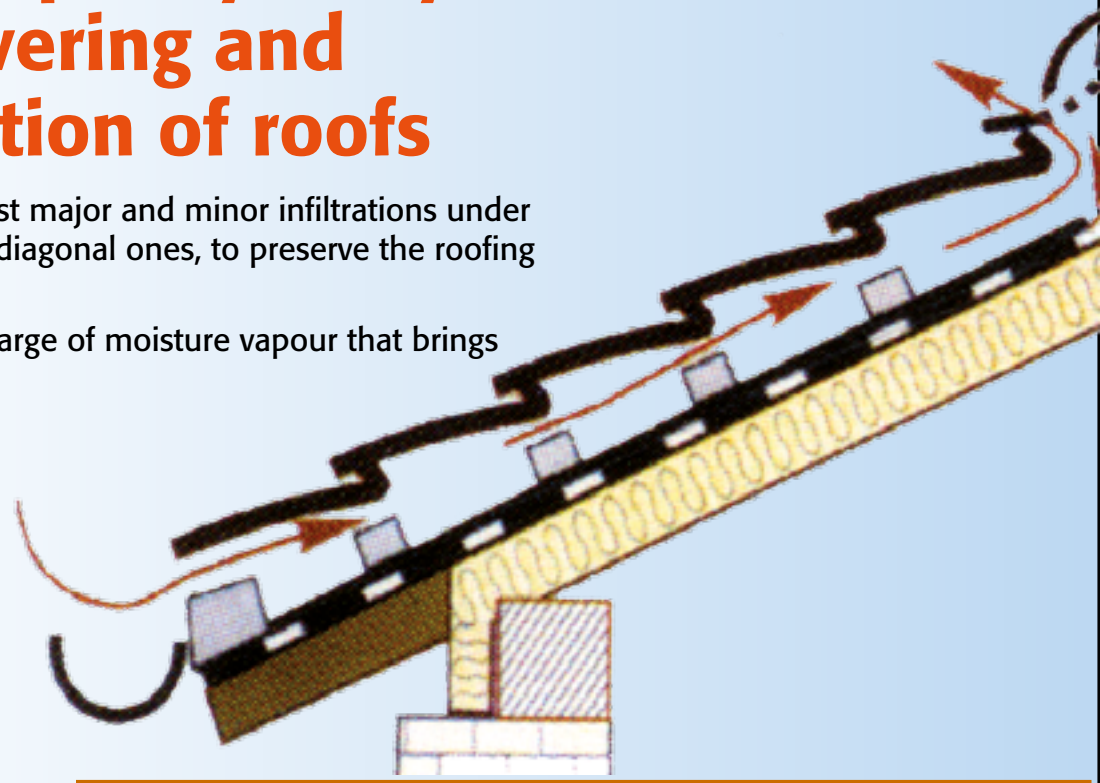
Article	Material	Colour	Roll Length m	Height mm
8016.80/R	Copper	Copper	50	80
8016.80/PR	Polypropylene	Brick Red RAL 8004	5	80
8016.80/PM	Polypropylene	Dark Brown RAL 8019	5	80
8016.80/PP	Polypropylene	Black RAL 9005	5	80
8016.80/PV	Pre-painted metal sheet	Dark Brown RAL 8019	50	80
8016.80/A	Aluminium	Grest Copper	50	80

Article	Material	Colour	Roll Length m	Height mm
8016.100/R	Copper	Copper	50	100
8016.100/PR	Polypropylene	Brick Red RAL 8004	5	100
8016.100/PM	Polypropylene	Dark Brown RAL 8019	5	100
8016.100/PP	Polypropylene	Black RAL 9005	5	100
8016.100/PV	Pre-painted metal sheet	Dark Brown RAL 8019	50	100
8016.100/A	Aluminium	Grest Copper	50	100



# A high-quality array for the covering and ventilation of roofs

Protection against major and minor infiltrations under ridge lines, also diagonal ones, to preserve the roofing over time.  
Allows the discharge of moisture vapour that brings condensation.



## UNDER-RIDGE

Ensures the micro ventilation of the ridge through air passage and avoids overheating and condensation in the covering membrane below, thus allowing the maximum energy saving.

### Art. 8210 "TOTAL ALU" UNDER-RIDGE

PLEATED AND MICROPERFORATED ROLLS OF PRE-PAINTED ALUMINIUM. ALLOWS AN OPTIMAL AIR PASSAGE THANKS TO ITS HOLES DISTRIBUTED ON TWO BANDS ON THE WHOLE LENGTH OF THE UNDER-RIDGE MEMBRANE.  
THE PLEATING ALLOWS THE UNDER-RIDGE TO ADAPT TO TILES AND SHINGLES OF ANY KIND AND SIZE.  
TWO BUTYL STRIPES ON THE SIDES OF THE UNDER-RIDGE MAKE THE MEMBRANE ADHERE PERFECTLY AND WITHOUT PROBLEMS TO THE ROOFING BELOW.



Article	Material	Available colours	Width mm	Roll Length m	Package m
8210	Pre-painted Pleated Aluminium	Brick Red RAL 8004 Dark Brown RAL 8019 Black RAL 9005	390	5	20

Art. 8210

### Art. 8213 "ALU PRO" UNDER-RIDGE

CENTRAL SECTION IN POLY-PROPYLENE FABRIC WITH HIGH TRANSPIRATION AND RESISTANCE in time. LATERAL BANDS IN PRE-PAINTED ALUMINIUM WITH AMPLE PLEATING AND TWO BUTYL STRIPES FOR A PERFECT ADHERENCE TO THE ROOFING BELOW.  
THE FEATURES OF THIS UNDER-RIDGE MAKE IT UNIVERSALLY SUITABLE FOR ANY KIND OF ROOFING.



Article	Material Central section	Material – Side bands	Available colours	Width mm	Roll Length m	Package m
8211.320	Polypropylene Fabric	Pre-painted Pleated Aluminium	Brick Red RAL 8004 Dark Brown RAL 8019	320	5	20
8213	Polypropylene Fabric	Pre-painted Pleated Aluminium	Black RAL 9005	390	5	20

Art. 8213

### Art. 8215 WATERPROOF SELF-ADHESIVE SEALING BUTYL TAPE

WATERPROOF, SELF-ADHESIVE ROLL, WITH THE LOWER SIDE COMPLETELY COVERED IN BUTYL. RESISTANT TO UV RAYS. ALLOWS TO SEAL JUNCTIONS BETWEEN THE ROOF COVERING AND WALLS/ FOTOVOLTAIC PANELS/SKYLIGHT WINDOWS...  
IT FEATURES THREEDIMENSIONAL PLEATING AND CAN BE CONSIDERABLY STRETCHED BOTH TRANSVERSALLY AND LONGITUDINALLY, THUS ALLOWING PERFECT ADHESION TO ANY KIND AND SIZE OF SURFACE.



Article	Description	Available colours	Roll Width mm	Roll Length m	Rolls per Package
8215. PIO	Butyl Tape – Pre-painted Lead	Brick Red RAL 8004 Dark Brown RAL 8019	300	5	1
8215.R	Butyl Tape – Copper	Copper	300	5	1
8215. ALL.3D	Butyl Tape – 3D Pre-painted Aluminium	Brick Red RAL 8004 Dark Brown RAL 8019	300	5	1

Art. 8215.3D

### Art. 8215.E 60% EXTENSIBLE JUNCTION TAPE

LOWER SIDE OF BUTYL, UPPER SIDE IN PRE-PAINTED ALUMINIUM. ITS PECULIARITY IS A SPECIAL PLEATING THAT ALLOWS A LONGITUDINAL STRETCHING UP TO 60% OF ITS LENGTH.  
THIS TAPE IS PARTICULARLY SUITABLE FOR JUNCTIONS IN THE MOST INACCESSIBLE SPOTS, SUCH AS SKYLIGHTS, CHIMNEYS ETC.



Article	Description	Colour	Roll Width mm	Roll Length m	Package m	Rolls per Package
8215.E	Butyl Tape – Pre-painted Aluminium	Brick Red RAL 8004	200 - 300 450	5	5	1

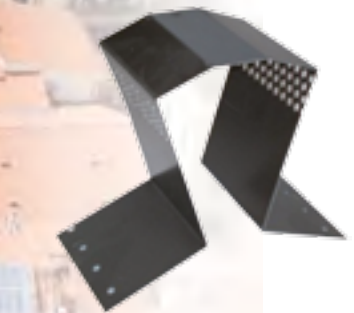
Art. 8215.E





Art. 8217

Article	Material – Structure	Material – Side Flaps	Colour – Side Flaps	Flap Length mm	Segment Length mm	Package m
8217.ALL.1	Pre-painted Lead Dark Brown RAL 8019	Pleated Pre-painted Aluminium – two Butyl Stripes	Brick Red RAL 8004	130	1	20
8217.ALL.2	Pre-painted Lead Dark Brown RAL 8019	Pleated Pre-painted Lead	Brick Red RAL 8004	120	2	20



Art. 8218



Art. 82.LU



Art. 8212.CH



**Art. 8217** | **VENTILATED UNDER-RIDGE**

VENTILATION IS PROVIDED BY SPECIFIC HORIZONTAL OPENINGS ALL ALONG THE RIGID CENTRAL STRUCTURE. TO BE LAID ON THE SLAT OF THE RIDGE LINE. THE RIGID STRUCTURE CONSISTS OF GALVANIZED STEEL OR PRE-PAINTED ALUMINIUM. AVAILABLE WITH SIDE FLAPS OF PLEATED ALUMINIUM AND LATERAL BUTYL STRIPES OR SIDE FLAPS OF LEAD.

**Art. 8218** | **RIGID METAL SHEET VENTILATED UNDER-RIDGE**

VENTILATION IS PROVIDED BY SPECIFIC HORIZONTAL OPENINGS ALL ALONG THE RIGID STRUCTURE. TO BE LAID ON THE SLAT OF THE RIDGE LINE. THE RIGID STRUCTURE CONSISTS OF PRE-PAINTED METAL SHEET. AVAILABLE FOR ROOF TILES OR FOR SHINGLES.

Article	Material	Structure Length m	Package
8218.CO	Pre-painted Lead. Dark Brown RAL 8019	1	20 Pcs
8218.TE	Pre-painted Lead. Dark Brown RAL 8019	1	20 Pcs

**Art. 82.LU** | **UNIVERSAL SLAT**

SUITABLE FOR ROOFS OF CONCRETE, WOOD, CORRUGATED SHEET AND INSULATING PANELS. ITS PECULIAR "U" SHAPE ALLOWS TO INSTALL IT ON ANY KIND OF ROOF TILE AND SHINGLE, ALSO ADDING CONSIDERABLE RESISTANCE TO THE ROOF COMPRESSION. THE GALVANIZED EXPANDED METAL SHEET IS PERFORATED TO ENSURE PERFECT VENTILATION OF THE ROOF BELOW SIMPLY BY INSTALLING THE HORIZONTAL BATTEN.

Article	Material	Thickness mm	Length mm	Height mm	Package
82.Lu.200	Galvanized expanded metal sheet	1,5	200	2 - 2	1 Pc

**Art. 8212** | **SLAT-HOLDING BRACKET**

UNIVERSAL ITEM, VERY EASY TO INSTALL, SUITABLE FOR ANY KIND OF ROOFING (BOTH CONCRETE AND WOOD).

Article	Description	Material	Slat holding Section	Height mm	Package
8212.40	Slat-holding Bracket	Galvanized Metal Sheet	40	190	100 Pcs
8212.50	Slat-holding Bracket	Galvanized Metal Sheet	50	190	100 Pcs

**Art. 8212.ch** | **SLAT-HOLDING NAIL**

USEFUL TO FASTEN THE CENTRAL SLAT ON WOODEN PLANKS.

Article	Description	Material	Slat holding Section	Height mm	Package
8212.Ch.40	Slat-holding Nail	Galvanized Metal Sheet	40	210	100 Pcs
8212.Ch.50	Slat-holding Nail	Galvanized Metal Sheet	50	210	100 Pcs

Art. 8212

**SHINGLE HOOKS**

They ensure superior stability, quick installation and resistance in time. Moreover, they allow to avoid the use of mortar to hold tiles in place, thus reducing the weight of the roofing and facilitating its ventilation.

**Art. 8011** | **SHINGLE HOOKS**

DESIGNED TO HOLD FOUR TILES AND SHINGLES IN PLACE, MAINTAINING THEIR STABILITY IN ANY CONDITION. ITS MAIN QUALITIES ARE THE EASY MAINTENANCE OF THE ROOFING AND THE GOOD ROOF VENTILATION. AVAILABLE MATERIALS: COPPER, COPPER-COATED STAINLESS STEEL, STAINLESS STEEL AND PRE-PAINTED STEEL.

Article	Material	Section mm	Size mm	Package
8011.IR	Copper-coated Stainless Steel Twin Lead	10 x 08	90 x 22	1000 Pcs
8011.R.	Copper Twin Lead	8 x 1,25	90 x 22	1000 Pcs
8011.PV	Pre-painted Twin Lead. Sienna Red RAL 3009	10 x 1,00	90 x 22	1000 Pcs
8011.IX	Stainless Steel Wire	3,4 x 2.2	90 x 22	100 Pcs

**Art. 8013** | **FRONT-LINE HOOKS**

Article	Material	Section mm	Size mm	Package
8013.IR	Copper-coated Stainless Steel Twin Lead	10 x 08	200 x 22	250 Pcs
8013.R	Copper Twin Lead	8,0 x 1,25	200 x 22	250 Pcs
8013.PV	Pre-painted Twin Lead. Sienna Red RAL 3009	10 x 1,00	200 x 22	250 Pcs
8013.IX	Stainless Steel Wire	3,4 x 2.2	200 x 22	250 Pcs

**Art. 8015** | **SNOW HOOKS**

ESSENTIAL FOR THE SAFETY OF PASSERSBY AND TO REDUCE THE RISK OF SNOW FALLING ALONG WITH ROOF TILES. ADJUSTABLE TO MOST ROOFINGS. AVAILABLE MATERIALS: COPPER OR PRE-PAINTED COPPER.

Article	Material	Size	Destination	Package
8015.CO	Copper	120x40x60	Shingles	200 Pcs
8015.TC	Pre-painted	240x30x60	Concrete roof tiles	50 Pcs
8015.MA	Copper, Dark Brown RAL 8019	260x30x60	Marseille roof tiles	50 Pcs
8015.PO	Pre-painted Copper, Brick Red RAL 8004	260x30x60	Portuguese roof tiles	50 Pcs

**Art. 8112** | **RIDGE HOOKS**

PERFECT FOR A SAFE AND DURABLE FASTENING OF THE RIDGE SHINGLES TO THE RIDGE SLAT. SEVERAL MODELS AVAILABLE TO PROVIDE THE BEST ANCHORING FOR ANY KIND OF ROOF TILE OR SHINGLE.

Article	Description	Material	Colours	Section mm	Package
8112.CR	Ridge Hook – Round	Pre-painted Copper	Dark Brown RAL 8019 Brick Red RAL 8004	19 x 1,5	250 Pcs
8112.CQ	Ridge Hook – Square	Pre-painted Copper		19 x 1,5	250 Pcs
8112.CS	Ridge Hook – Moulded	Pre-painted Copper		19 x 1,5	250 Pcs



Art. 8011



Art. 8013



Art. 8015



Art. 8112



# THE PRINCIPLES OF INSULATION BY HEAT REFLECTION

Thermal solutions to increase the energy efficiency of buildings while fighting heat loss



How does heat reflection work.

HEAT TRANSFER TAKES PLACE IN 4 CLASSIC WAYS:

**CONDUCTION:** through the contact between solid objects

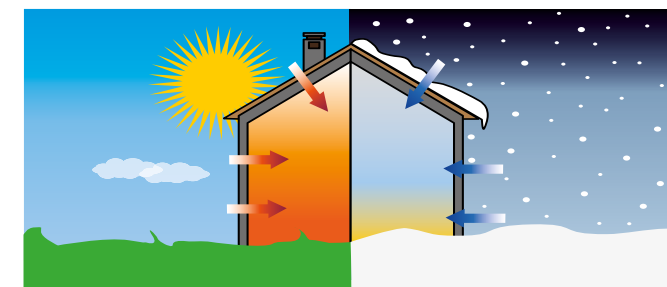
**CONVECTION:** through the movement of air or fluid masses towards zones of different temperature

**RADIATION:** heat transfer through electromagnetic waves

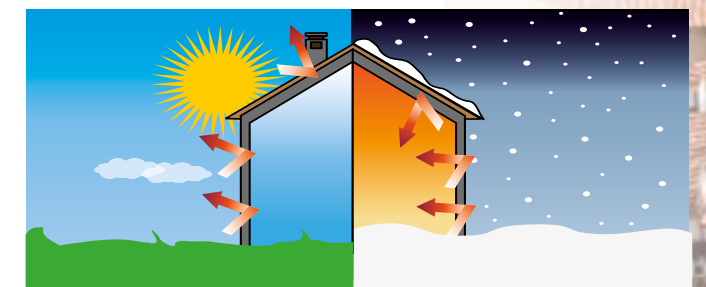
**PHASE CHANGE:** thermal inertia of low-emission reflective materials

**OUR HEAT REFLECTIVE INSULATORS PROVIDE THE IDEAL PROTECTION, IN WINTER AS WELL AS IN SUMMER, TO EFFECTIVELY FIGHT THESE FOUR FACTORS OF HEAT LOSS.**

Bettini insulators are designed and produced with the purpose to: – Effectively fight the heat loss – Reduce dissipation – Inhibit the solar radiation – Limit the problem of condensation



WITHOUT HEAT REFLECTION



WITH HEAT REFLECTION

**Bettini: a guarantee of effectiveness and high performance**

**Effective:** permanent thermal and acoustic insulation, constant performance in time, both in winter and in summer.

**Environment-friendly:** it contributes to the protection of the ozone layer.

**Convenient:** it sensibly increases the saving of energy, with the reduction of fuel consumption both in summer and in winter.

**Resistant:** inalterable and rot-proof.

**Stable:** high mechanical resistance.

**Waterproof:** ensures complete protection against air and flowing water.

**Clean:** completely harmless, non-allergenic and non-irritant.

**Performing:** high performances in comparative tests in laboratory and construction site.

**Practical:** quick and easy laying in place on any surface to be insulated (walls, coverings, underfloors, underroofs, garage gates).

**Advantageous:** it increases the living space thanks to its minimum thickness.

## THERMAL INSULATION BY REFLECTION

*Effective, environment-friendly, convenient.*

Perfect solutions for the most effective thermal and acoustic insulation: coverings, attics, ceilings, vertical walls.

### ENERGY LABEL

Low consumption household

A	≤ 50 kWh
B	51 - 90 kWh
C	91 - 150 kWh
D	151 - 230 kWh
E	231 - 330 kWh
F	331 - 450 kWh
G	> 450 kWh

51-90 kWh

10 YEARS  
GUARANTEE

Energy hungry household



Technical solutions that can help improve the energy efficiency of buildings and reduce their energy consumption.

CONCRETE COVERINGS



COVERINGS WITH WOODEN LINING



CONCRETE UNDERCOVERINGS



WOODEN UNDERCOVERINGS



GARRETS



FALSE CEILINGS



VERTICAL WALLS



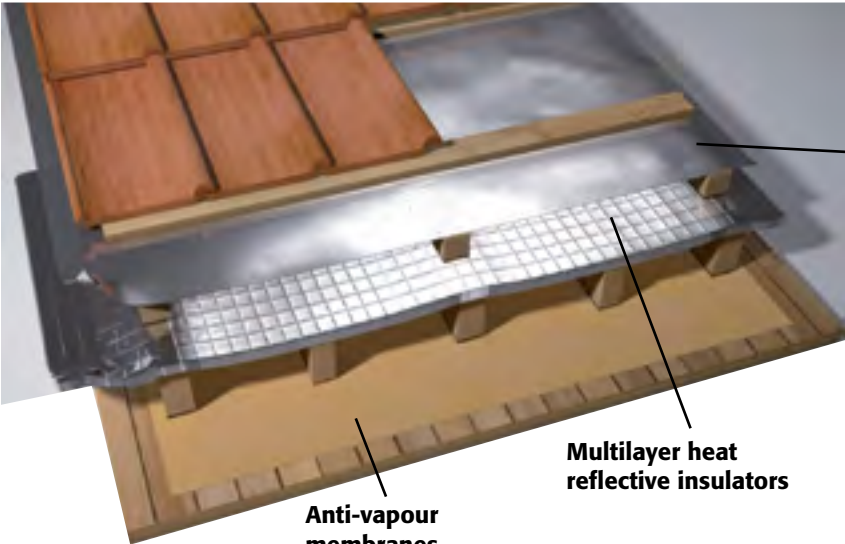
UNDERFLOORS



The 9 rules for the perfect application of Bettini insulating solutions, in order to exploit to the fullest the thermal and acoustic qualities of our products.

- 1 - Always reserve an air space, on both sides of the insulating roll, of at least **20/25 mm or 40 mm for ventilated coverings.**
- 2 - Fix correctly the rolls on the perimeter to insulate **by stapling them every 50 mm** with 14 to 20 mm fixing elements.
- 3 - It is essential to superimpose the rolls and seal them with the adhesive tape.
- 4 - Apply hemming battens all along the perimeter.
- 5 - Leave a border of **at least 50 mm of reflective insulator** all along the perimeter and block it with a slat.

- 6 - **Avoid direct contact of the reflective insulators with lead, copper, flames and solvents.**
- 7 - **Keep a minimum distance of 200 mm from smoke discharge ducts and 400 mm from heat extraction and recovery units.**
- 8 - Respect normal storage precautions and keep the products covered during the construction works.



ECOREFLEX Insulator

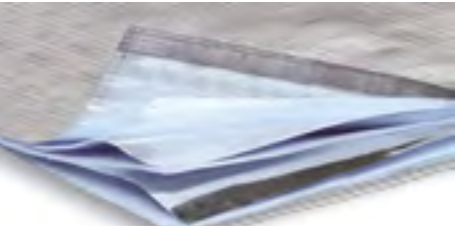
Multilayer heat reflective insulators

Anti-vapour membranes

MULTI LAYER HEAT REFLECTIVE INSULATORS

They ensure perfect thermal and acoustic insulation to all buildings and households. Suitable for coverings, ceilings, false ceilings, garrets and vertical walls. Our multilayer heat reflective insulators offer high performance standards:

- **Efficacy over time:** insulation is ensured in time, both in summer and in winter
- **Resistance:** inalterable and rot-proof.
- **Stable:** high mechanical resistance.
- **Convenient:** they sensibly increase the saving of energy, with the reduction of fuel consumption both in summer and in winter.
- **Waterproof:** they ensure complete protection against air and flowing water.
- **Clean:** completely harmless, non-allergenic and non-irritant.
- **Practical:** quick and easy laying in place on any surface to be insulated (walls, coverings, underfloors, underroofs etc.)
- **Advantageous:** they increase the habitable surfaces thanks to their minimum thickness.



Art. Thermo Eco 7 7 LAYER INSULATOR

PRODUCT COMPOSITION:  
- 2 layers of reinforced metallic polyester  
- 2 layers of 60 g/m<sup>2</sup> nonwoven polypropylene  
- 2 separating reflective metallic 20µ thick layers  
- 1 layer of 0,8 mm thick polyethylene foam  
**USABLE AS INSULATION ACCESSORY**

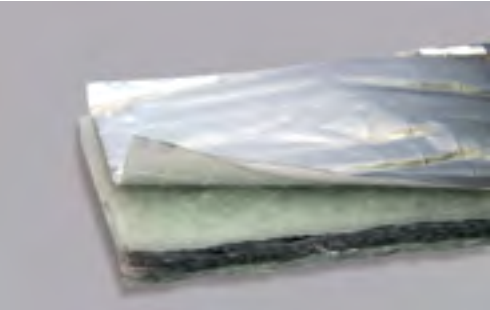
Art. Thermo eco 7										
Article	Reflec-tivity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equivalence**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
		RW ± 59 db	± 37 db	1,08 sqm K/W	0,24 W/sqm K	12 cm	-40°c +80°c	15	1,50	10



Art. Thermo Eco 15 15 LAYER INSULATOR

PRODUCT COMPOSITION:  
- 2 layers/elements of 80 g/m<sup>2</sup> reinforced metallic polyester  
- 2 layers/elements of 60 g/m<sup>2</sup> geotextile polyester  
- 6 intermediate metallic reflective interposed sheets  
- 5 layers/elements of 1 mm thick polyethylene foam  
**SUITABLE FOR THE COVERING OF GARRETS, CEILINGS AND VERTICAL WALLS**

Art. Thermo eco 15										
Article	Reflec-tivity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equivalence**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
		RW ± 59 db	± 37 db	3,60 sqm K/W	0,21 W/sqm K	19 cm	-40°c +80°c	25	1,50	10

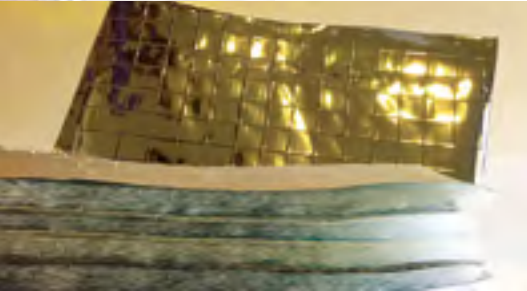


Art. Thermo Eco 20 LAYER INSULATOR

PRODUCT COMPOSITION:  
- 2 layers/elements of 80 g/m<sup>2</sup> reinforced metallic polyester  
- 2 layers/elements of 60 g/m<sup>2</sup> batting  
- 8 intermediate reflective metallic 20µ thick layers  
- 8 layers/elements of 0,8 mm thick polyethylene foam  
**SUITABLE FOR THE COVERING OF GARRETS, CEILINGS AND VERTICAL WALLS**

Art. Thermo Eco 20										
Article	Reflec-tivity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equi-valence**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
		RW ± 59 db	±37 db	4.20 mq K/W	0.18 W/mq K	25 cm	-40°c/+80°c	27	1.50	10





Art. Thermo Couche B13 13 LAYER INSULATOR

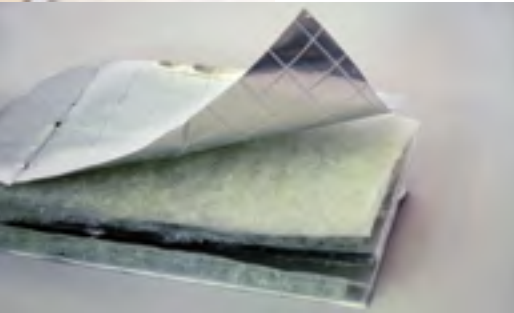
PRODUCT COMPOSITION:

- 2 layers of 127 g/m² reinforced metallic polyester
- 4 layers of 80 g/m² nonwoven polypropylene
- 4 intermediate reflective metallic 20µ thick layers
- 3 layers of 0,8 mm thick polyethylene foam

**SUITABLE FOR THE COVERING OF GARRETS, CEILINGS AND VERTICAL WALLS**

Art. Thermo Couche B13

Article	Reflecti- vity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equi- valence**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
8358B13	±95%	Rw ± 59 dB	± 37 dB	3,20 mq K/W	0,23 W/mq K	20 cm	-40°c/+80°c	25	1.50	10



Art. Thermo Couche B17 17 LAYER INSULATOR

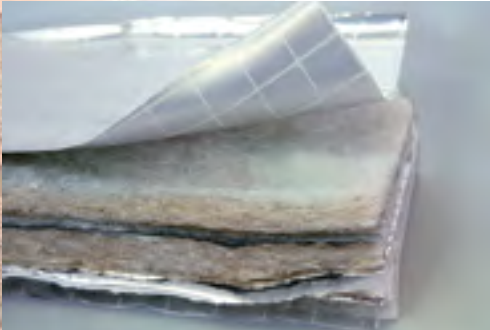
PRODUCT COMPOSITION:

- 2 layers of 127 g/m² reinforced metallic polyester
- 4 layers of 80 g/m² nonwoven polypropylene
- 6 intermediate reflective metallic 20µ thick layers
- 5 layers of 0,8 mm thick polyethylene foam

**SUITABLE FOR THE COVERING OF GARRETS, CEILINGS AND VERTICAL WALLS**

Art. Thermo Couche B17

Article	Reflectivity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equivalen- ce**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
8358B17	±95%	Rw ± 59 dB	± 37 dB	3,71 mq K/W	0,20 W/mq K	24 cm	-40°c/+80°c	30	1.50	10



Art. Thermo Laine De Lin 17 LAYER INSULATOR WITH FLAX WOOL

PRODUCT COMPOSITION:

- 2 layers of 127 g/m² reinforced metallic polyester
- 3 layers/elements of 135 g/m² flax wool
- 6 intermediate reflective metallic 20µ thick layers
- 2 layers/elements of 80 g/m² geotextile
- 4 layers/elements of 0,8 mm thick polyethylene foam

**SUITABLE FOR THE COVERING OF GARRETS, CEILINGS AND VERTICAL WALLS**

Art. Thermo Laine De Lin

Article	Reflecti- vity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equi- valence**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
8358 L 17	±95%	Rw ± 59 dB	± 43 dB	4,22 mq K/W	0,18 W/mq K	24 cm	-40°c/+80°c	30	1.50	10

**\*ACOUSTIC PRODUCTS AND CERTIFICATIONS**  
EN ISO 140 – 1140-3 / 717 – 1F13  
**ON WALLS:**  
GLOBAL INDEX OF NOISE REDUCTION  
**ON COVERINGS:**  
WITH SHINGLES AND CEILING

**\*\*THERMAL PRODUCTS AND CERTIFICATIONS**  
EN 8990 / 1267 / 6946  
THERMAL RESISTANCE (EN 8990)  
TRANSMITTANCE (EN 8990)

# The exclusive solution for a high quality thermal insulation

New!

YEARS GUARANTEE

## THERMO MULTI-PRO

New reflective insulator with integrated breathable screen.  
Universal insulator for all seasons.  
Thanks to its particular microperforated structure, it allows to avoid the creation of an air chamber beneath the covering.

- Useful and convenient:**
- **Quick and easy laying in place** on all surfaces to be insulated walls, coverings, uderroofs, underfloors).
  - **The reduced thickness** increases the habitable surface.
  - **Waterproof:** it ensures waterproof protection against air, water, dust and snow.
  - **Vapour permeable:** it prevents condensation thanks to its microperforation.
  - **Clean and completely harmless:** non-allergenic, rot-proof, inalterable and resistant. Its thermal and acoustic insulation performances are constant in time.
  - **High performing:** high mechanical resistance. Thanks to its integrated self-adhesive system, it allows to eliminate thermal bridges.
  - **Environment-friendly:** it sensibly increases the energy saving with a diminution of fuel consumption, both in winter and in summer.

Art. Thermo MULTI-PRO MULTI LAYER INSULATOR with high-performing waterproof breathable screen

PRODUCT COMPOSITION:

- 1 underroof breathable screen
- 2 layers of microperforated reinforced metallic polyester
- 3 layers of 100 g/m² batting
- 3 layers of 135 g/m² flax wool
- 5 microperforated reflective 20µ thick layers

**SUITABLE FOR THE COVERING OF GARRETS, CEILINGS AND VERTICAL WALLS**

Article	Reflectivity	Acoustic performance*		Thermal performance – iso 8990**		Thermal equivalence**	Temperature stability	Thickn. mm	15 m² Roll	
		On walls	On coverings	Therm. Resistance R	Transmittance U				Width m	Length m
8358 P 2 IN 1	±95%	Rw ± 59 dB	± 37 dB	4.22 mq K/W	0,18 W/mq K	24 cm	-40°c/+80°c	40	1.50	10



New !



MULTI-BUBBLE REFLECTIVE INSULATORS

Thanks to their particular composition, these insulators are suitable for multiple uses. Their most peculiar characteristic consists in the outer layer made of pure aluminium, covered by an ultra thin polyethylene film to protect it from oxidation also under extreme conditions, even in case of contact with the alkaline substances of cementitious products.

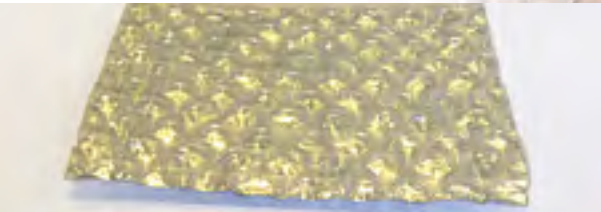
Applications:  
for a perfect reflective thermal insulation and an optimal vapour barrier in coverings, floors and walls of residential, commercial and industrial buildings.

BENEFITS

- Thanks to their reflective surfaces, BETTINI insulators reduce solar radiation and ensure a perfect thermal insulation and living comfort.
- Great noise reduction
- Considerable energy saving; reflecting heat inside the habitation, our insulators allow a quick heating time.
- 100% vapour- and waterproof.
- Easy to install! Its laying in place does not require any particular tool.
- Remarkable indirect saving regarding the storage, transport, handling and laying in place.

Art. UNDERBETON MULTI-BUBBLE REFLECTIVE INSULATOR FOR UNDER-SCREEDS

PRODUCT COMPOSITION:  
- 1° outer layer: air-bubble polyethylene  
- 2° intermediate layer: pure aluminium  
- 3° outer layer: air-bubble polyethylene  
**SUITABLE FOR UNDER-SCREEDS, UNDER-PARQUET, UNDERFLOOR**



Article	Reflect.	Thermal performances		Dynamic rigidity	Fire reaction	Weight	Nominal Thickness	Nominal Thickness under load	36 m² Roll	
		Thermal Resistance R	Transmittance U						h. m	L. m
8358 CN	97	1,32 sqm K/W	0,567 W/sqm K	s'30	1A	410	8	6	1.20	30

Technical Specifications – Description		Unit of Measurement	Value
<b>Thermal resistance:</b> Value calculated on UNDERBETON as stated in the TEST REPORT by the ISTITUTO GIORDANO. The thermal resistance of UNDERBETON equals to that of a traditional insulator with a thickness of 7 cm, with A=0,025 m²K/W		M²K/W	R 1,32
<b>Thermal conductivity</b>		M²K/W	0,025
<b>Emissivity</b>		No..	0.03
<b>Reflectance</b>		%	97
<b>Moisture Vapour permeability</b>		Mu	100.000
<b>Vapour barrier</b>		Si (Rv) ≥ 10 Mn S7g	
<b>Reduction of footstep noise:</b> Value calculated on UNDERBETON interposed between lightened CLS screed (400 kg/m³) and cement and sand screed with a thickness of 3 cm (1800 kg/m³)		Db	^Lw 24,0
<b>Reduction of footstep noise:</b> Value calculated on UNDERBETON interposed between lightened CLS screed (400 kg/m³) and cement and sand screed with a thickness of 5 cm (1800 kg/m³)		Db	^Lw 26,5
<b>Reduction of footstep noise:</b> Value calculated on UNDERBETON interposed between lightened CLS screed (400 kg/m³) and cement and sand screed with a thickness of 7 cm (1800 kg/m³)		Db	^Lw 28,3
<b>Dynamic rigidity:</b> Test report of the LAPI Institute		Mn/M³	S'30
<b>Compressibility:</b> (Determination of Thickness). Test report of the LAPI Institute		mm	0,13
<b>Average thickness reduction:</b> Test report of the LAPI Institute		mm	1,5
<b>Fire Reaction:</b> Test report of the LAPI Institute		Class	1A

Art. UNIBETT MULTI-BUBBLE REFLECTIVE INSULATOR FOR CEILINGS

PRODUCT COMPOSITION  
- 1° outer layer: pure aluminium  
- 2° intermediate layer: air-bubble polyethylene  
- 3° intermediate layer: air-bubble polyethylene  
- 4° outer layer: pure aluminium  
**SUITABLE FOR VERTICAL WALLS, CEILINGS, LOFT**



Article	Re-lect.	Thermal performances		Dynamic rigidity	Fire reaction	Weight	Nominal Thickness	Nominal Thickness under load	30 m² Roll	
		Thermal Resistance	Transmittance U						h. m	L. m
8358 DB	96	1,63 sqm K/W	Ct 0,615 W/sqm K	s'19	1A	470	8	6	1.50	20

Technical Specifications – Description		Unit of Measurement	Value
<b>Thermal resistance:</b> Value calculated on UNIBETT interposed between two air spaces as stated in the test report by the Istituto Giordano. The thermal resistance of UNIBETT equals to that of a traditional insulator with a thickness of 6 cm, with A=0,004 m²K/W		M²K/W	R 1,63
<b>Thermal conductivity</b>		M²K/W	Ct0,615
<b>Emissivity</b> – Test report of the Istituto Giordano		No.	0.03
<b>Reflectance</b>		%	96
<b>Noises Insulation:</b> Value calculated on vertical wall as on Test report of the Istituto Giordano		Class	F1
<b>Dynamic rigidity:</b> Test report of the LAPI Institute		Mn/M³	S'19
<b>Compressibility:</b> (Determination of Thickness). Test report of the LAPI Institute		mm	0,13
<b>Average thickness reduction:</b> Test report of the LAPI Institute		mm	1,5
<b>Fire Reaction:</b> Test report of the Istituto Giordano and CSTB		Class	1A





Art. TOPBETT

MULTI-BUBBLE REFLECTIVE INSULATOR FOR COVERINGS

- PRODUCT COMPOSITION:
- 1° outer layer: pure aluminium
  - 2° intermediate layer: air-bubble polyethylene
  - 3° intermediate layer: closed-cell expanded polyethylene
  - 4° intermediate layer: air-bubble polyethylene
  - 5° outer layer: pure aluminium

SUITABLE FOR COVERINGS, VERTICAL WALLS, CEILINGS

Article	Reflect.	Thermal performances		Dynamic rigidity	Fire reaction	Weight	Nominal Thickness	30 m² Roll	
8358 DBF	%	Thermal Resistance R.	Transmittance U	MN/m³	class	g/m²	mm	Height m	Length m
	96	1,76 sqm K/W	Ct 0,615 W/sqm K	s'11	1A	390	9	1.20	25

Technical Specifications – Description	Unit of Measurement	Value
<b>Thermal resistance:</b> Value calculated on TOPBETT interposed between two air spaces as stated in the test report by the Istituto Giordano. The thermal resistance of TOPBETT equals to that of a traditional insulator with a thickness of 10 cm, with $\lambda=0,004 \text{ m}^2\text{K/W}$	M²K/W	R 1,76
<b>Thermal conductivity</b>	M²K/W	Ct0,567
<b>Emissivity</b> – Test report of the Istituto Giordano	No.	0.04
<b>Reflectance</b>	%	96
<b>Index of opacity and smoke toxicity:</b> Test report of the LAPI Institute	Class	F1
<b>Dynamic rigidity:</b> Test report of the LAPI Institute	Mn/M³	S'11
<b>Fire Reaction:</b> Test report of the LAPI Institute	Class	1A



Art. MASTERBETT

HIGH-PERFORMING MULTI-BUBBLE REFLECTIVE INSULATOR

- PRODUCT COMPOSITION:
- 1° outer layer: pure aluminium
  - 2° intermediate layer: air-bubble polyethylene
  - 3° intermediate layer: closed-cell expanded polyethylene
  - 4° intermediate layer: air-bubble polyethylene
  - 5° intermediate layer: closed-cell expanded polyethylene
  - 6° intermediate layer: air-bubble polyethylene
  - 7° outer layer: pure aluminium

SUITABLE FOR COVERINGS, VERTICAL WALLS, CEILINGS

Article	Reflect.	Thermal performances		Dynamic rigidity	Fire reaction	Weight	Nominal Thickness	24 m² Roll	
<b>MASTER BETT</b>	%	Thermal Resistance R	Transmittance U	MN/m³	class	g/m²	mm	Height m	Length m
	96	1,86 sqm K/W	Ct 0,539 W/sqm K	s'11	1A	750	18	1.20	20

Technical Specifications – Description	Unit of Measurement	Value
<b>Thermal resistance:</b> Value calculated on MASTERBETT interposed between two air spaces as stated in the test report by the Istituto Giordano. The thermal resistance of MASTERBETT equals to that of a traditional insulator with a thickness of 10 cm, with $\lambda=0,004 \text{ m}^2\text{K/W}$	M²K/W	R 1,86
<b>Thermal conductivity</b>	M²K/W	Ct0,539
<b>Emissivity</b> – Test report of the Istituto Giordano	No.	0.04
<b>Reflectance</b>	%	96
<b>Dynamic rigidity:</b> Test report of the LAPI Institute	Mn/M³	S'11
<b>Fire Reaction:</b> Certified by the Istituto Giordano and the CSTB	Class	1A

MEMBRANES

For a durable protection of any kind of covering, our array of membranes ensures good transpiration, insulation and impermeability of the roof. Non-slip and UV ray resistant. Guaranteed preservation of the thermal performances of a top-quality insulation.

**Under-shingle breathable membrane:** Breathable, waterproof and snowproof under-shingle membrane, for a quick discharge of accumulated moisture. Reduces the formation of condensation. Durable protection of the thermal insulators and planks. To be laid on the cold side of the covering/wall in direct contact with the thermal insulator. For an optimal laying in place, seal it with specific membrane adhesive tape.

**Anti-vapour under-shingle membrane:** Waterproof membrane regulating the discharge of humidity towards the outside. Durable protection of the thermal insulators and planks. Avoids the development of moulds. To be used on the timber coverings above the first plank layer and below the insulator.

**Reflective breathable under-shingle membrane:** Reflective breathable under-shingle membrane to reflect the under-shingle heat produced by solar radiation. Thanks to its ventilation it lowers the temperature of the insulator below, increasing its insulating ability. To be laid on the cold side of the covering in contact with the thermal insulator, below the ventilation.

**Reflective anti-vapour membrane:** Membrane with waterproof under-shingle screen and reflective multilayer vapour barrier. Allows to save heat reflecting infrared rays.



ART. 8351

3 LAYER “REGOVAP” ANTI-VAPOUR MEMBRANE

WATERPROOF, VAPOUR PERMEABLE UNDER-SHINGLE SCREENS (VAPOUR CONTROL)  
3 LAYER MICROPOROUS VAPOUR BARRIERS – ROLLS IN HP TAPE VERSION  
(WITH DOUBLE-SIDED TAPE INCLUDED)

- PRODUCT SPECIFICATIONS:
- **VAPOUR PERMEABILITY:** 40 g/m² /24h
  - **Sd Wert VALUE:** 3/12 m
  - **WATER IMPERMEABILITY:** w1 CLASS
  - **FIRE CLASS:** E CLASS
  - **UV RAY RESISTANCE:** 4 months
  - **TEMPERATURE STABILITY:** -40°C / +80°C

Article	Roll description	Width m	Length m	Roll sqm	Weight Gr/ sqm	Tensile strength		Stretching		Nail laceration		CE Certification
						Long.	Transv.	MD	CMD	MD	CMS	
8351.12	Beige colour	1,5	50	75	120	>180 N/5 cm	>150 N/5 cm	40%	40%	100N	100N	EN 13984
8351.14	Beige colour	1,5	50	75	140	>190 N/5 cm	>160 N/5 cm	40%	50%	110N	110N	EN 13984
8351.16	Beige colour	1,5	50	75	160	>320 N/5 cm	>270 N/5 cm	40%	40%	350N	300N	EN13984
8351.20	Beige colour	1,5	50	75	200	>350 N/5 cm	>260 N/5 cm	50%	60%	220N	220N	EN13984



ART. 8351 SA

4 LAYER REINFORCED “REGOVAP” ANTI-VAPOUR MEMBRANE

WATERPROOF, VAPOUR PERMEABLE UNDER-SHINGLE SCREENS (VAPOUR CONTROL)  
4 LAYER MICROPOROUS VAPOUR BARRIERS – ROLLS IN HP TAPE VERSION  
(WITH DOUBLE-SIDED TAPE INCLUDED)

- PRODUCT SPECIFICATIONS:
- **VAPOUR PERMEABILITY:** 40 g/m² /24h
  - **Sd Wert VALUE:** 3/12 m
  - **WATER IMPERMEABILITY:** w1 CLASS
  - **FIRE CLASS:** E CLASS
  - **UV RAY RESISTANCE:** 4 months
  - **TEMPERATURE STABILITY:** -40°C / +80°C

Article	Roll description	Width m	Length m	Roll sqm	Weight Gr/ sqm	Tensile strength		Stretching		Nail laceration		CE Certification
						Long.	Transv.	MD	CMD	MD	CMS	
8351.12SA	Black colour	1,5	50	75	120	>200 N/5 cm	>250 N/5 cm	25%	25%	170N	170N	EN 13984
8351.16SA	Black colour	1,5	50	75	160	>350 N/5 cm	>340 N/5 cm	35%	35%	270N	250N	EN 13859-1
8351.18SA	Black colour	1,5	50	75	180	>350 N/5 cm	>340 N/5 cm	35%	35%	270N	250N	EN13859-1



ART. 8351DA

5 LAYER REINFORCED “AIR DIFF” BREATHABLE MEMBRANE

WATERPROOF, VAPOUR PERMEABLE UNDER-SHINGLE SCREENS (HIGH PERMEABILITY)  
5 LAYER MICROPOROUS VAPOUR BARRIERS – ROLLS IN HP TAPE VERSION  
(WITH DOUBLE-SIDED TAPE INCLUDED)

- PRODUCT SPECIFICATIONS:
- **FIRE CLASS:** E CLASS
  - **UV RAY RESISTANCE:** 4 months
  - **TEMPERATURE STABILITY:** -40°C / +80°C
  - **VAPOUR PERMEABILITY:** 1500 g/m² /24h
  - **WATER IMPERMEABILITY:** w1 CLASS

Article	Roll descr.	Width m	Length m	Roll sqm	Weight Gr/sqm	Tensile strength		Stretching		Nail laceration		Vapour Perm.	Sd wert value	Water Im-perm.	CE Cert.
						Long.	Transv.	MD	CMD	MD	CMS	g/sqm/24h	m	class	
8351.16DA	Grey	1,5	50	75	160	>400 N/5 cm	>350 N/5 cm	40%	50%	390N	360N	1500	0,02	w1	EN13859-1
8351.22DA	Grey	1,5	50	75	220	>380 N/5 cm	>400 N/5 cm	40%	55%	400N	380N	1500	0,03	w1	EN13859-1
180 eco ReflexAS	Aluminium	1,5	50	75	180	>330 N/5 cm	>230 N/5 cm	40%	20%	450N	440N	1000	0,07	w1	EN13859-1



## ART. 8351DF 3 LAYER "AIR DIFF" BREATHABLE MEMBRANE

WATERPROOF, VAPOUR PERMEABLE UNDER-SHINGLE SCREENS (HIGH PERMEABILITY)  
3 LAYER MICROPOROUS VAPOUR BARRIERS – ROLLS IN HP TAPE VERSION  
(WITH DOUBLE-SIDED TAPE INCLUDED)

PRODUCT SPECIFICATIONS:

- **FIRE CLASS:** E CLASS

- **UV RAY RESISTANCE:** 4 months

- **TEMPERATURE STABILITY:** -40°C / +80°C

- **VAPOUR PERMEABILITY:** 1500 g/m<sup>2</sup> /24h

- **WATER IMPERMEABILITY:** w1 CLASS



Art. 8351 DF

Article	Roll descr.	Width m	Length m	Roll sqm	Weight Gr/sqm	Tensile strength		Stretching		Nail laceration		Vapour Perm.	Sd wert value	Water Imperm.	CE Cert.
	Colour					Long.	Transv.	MD	CMD	MD	CMS	g/sqm/24h	m	class	
835112DF	Light blue	1,5	50	75	120	>250 N/5 cm	>165 N/5 cm	50%	70%	120N	140N	1500	0,02	E	EN 13859-1
835114DF	Light blue	1,5	50	75	140	>290 N/5 cm	>200 N/5 cm	55%	80%	150N	180N	1500	0,02	E	EN 13859-1
835116DF	Grey	1,5	50	75	160	>320 N/5 cm	>230 N/5 cm	55%	80%	180N	210N	1500	0,02	E	EN 13859-1
835118DF	Green				180	>290 N/5 cm	>210 N/5 cm	50%	70%	220N	250N	1500	0,02	E	EN 13859-1

## ACCESSORIES FOR MEMBRANES

Long term protection of all types of coverage, our line of membranes provides good breathability, insulation and waterproofing of the roof.

### Art. 83.BIA DOUBLE-SIDED TAPE

CONSISTS OF TWO SIDES OF HIGHLY ADHESIVE ACRYLIC GLUE. PARTICULARLY SUITABLE TO SEAL TOGETHER BREATHABLE AND ANTI-VAPOUR MEMBRANES WHERE THEY OVERLAP.

Article	Description	Roll Width mm	Roll length m	Package
83.Bia	Double-sided tape	20	5	5 Pcs



Art. 83BIA

### Art. 83.MONO ONE-SIDED TAPE

Article	Description	Roll Width mm	Roll length m	Package
83.Mono	One-sided tape	50	25	5 Pcs



### Art. 83.ALU ONE-SIDED ALUMINIUM TAPE

Article	Description	Roll Width mm	Roll length m	Package
83.Alu	One-sided Aluminium tape	70	50	5 Pcs

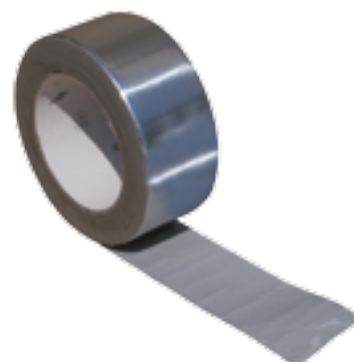


Art. 83ALU

### Art. 8219 BUTYL TAPE WITH NATURAL ALUMINIUM LAYER

THE TAPE CONSISTS OF A COMPOUND OF BUTYL RUBBER COVERED WITH AN ALUMINIUM LAYER, WHICH CONFERS ITS GREAT RESISTANCE TO ATMOSPHERIC EXPOSURES AND TIME. IT IS PARTICULARLY SUITABLE TO FIX METAL FOIL, SINCE BUTYL GLUE ADHERES PERFECTLY TO ALL SURFACES, IN PARTICULAR TO PLASTIC, GLASS, METAL, POLYCARBONATE AND WOOD, AS LONG AS THEY ARE CLEAN FROM DUST OR OTHER KINDS OF DIRT.

Article	Thickness mm	Roll Width mm	Roll Length m	Rolls per Package
8219.06.50	0,6	50	10	24 Pcs
8219.06.75	0,6	75	10	16 Pcs
8219.06.100	0,6	100	10	12 Pcs
8219.06.150	0,6	150	10	8 Pcs
8219.06.200	0,6	200	10	4 Pcs
8219.1.50	1	50	10	24 Pcs
8219.1.75	1	75	10	16 Pcs
8219.1.100	1	100	10	12 Pcs
8219.1.150	1	150	10	8 Pcs
8219.1.200	1	200	10	4 Pcs





## CELLAR DOORS

Closing and protection of cellars, warehouses, garages, service rooms, disused rooms, both in residential and industrial buildings.

We offer top-security locks and guarantee for them like for all our other products.

Locks can be equipped with an inside handle cylinder, essential for machinery rooms, elevators and boiler rooms.



### Art. 690 SINGLE-LEAF REVERSIBLE DOOR

COMPLETELY MADE OF STEEL, IT INCLUDES COUNTERFRAME AND HINGES.  
AVAILABLE WITH 6/10 SHEET IN THE STANDARD VERSION OR WITH A REINFORCED 8/10 SHEET. INCLUDES DOUBLE HANDLE AND LOCK.

Article	Description	Width m	Height m	Package
690.7	Steel sheet door	0,70	1,80 – 1,90 – 2	1
690.8	Steel sheet door	0,80	1,80 – 1,90 – 2	1
690.9	Steel sheet door	0,90	1,80 – 1,90 – 2	1
690.1	Steel sheet door	1,00	1,80 – 1,90 – 2	1





VENTILATION GRID FOR HOUSING OR FLATS

Qualities:  
**Energy saving:** it stops the direct entrance of air from the outside, preventing the decrease of temperature inside the building that would cause the heaters to turn on.  
**Reduction of exterior noises,** thanks to its shape and its total lack of holes.  
**Safety:** it is designed to allow a quick dissipation in case of gas leaks (as per Art. 46, law 1990).

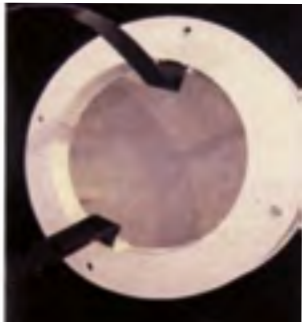
Art. L030 AIRPASS GRID

RESISTANT BUT LIGHT, it is made of abs (acrylonitrile butadiene styrene), a quite rigid thermoplastic material which ensures both lightness and solidity even at low temperatures. Extremely easy to install on holes of any size, with an adjustable spring and anti-insect net. Available with smooth surface, with flaps or with decorations.

Article	Description	Colour	Diameter – Grid	Diameter – Ventilation Passage
L030.M	AIRPASS Grid – standard	Brown	18,0 cm	12,5 cm
L030.B	AIRPASS Grid – standard	White	18,0 cm	12,5 cm
L030.AM	AIRPASS Grid – with flaps	Brown	18,0 cm	12,5 cm
L030.AB	AIRPASS Grid – with flaps	White	18,0 cm	12,5 cm
L030.DM	AIRPASS Grid – decoration	Brown	23,0 cm	18,0 cm
L030.DB	AIRPASS Grid – decoration	White	23,0 cm	18,0 cm



Art. L030



ISOLCAVO ALLOWS A COMPLETELY SAFE USE OF THE EXTENSION CABLES FOR ELECTRIC EQUIPMENT. IDEAL FOR WASHING, CUTTING, FIXING, IN YOUR GARDEN OR IN HUMID AND WET ENVIRONMENTS.





INSULATING CABLE BOX, IP55 CONFORMITY

Isolcavo is a hard plastic box for the protection of cable extensions, cable reels, plugs and any other outdoors electric connection device. Thanks to its impermeability (IP55) it resists perfectly to weather conditions. Solid and impact resistant: once the box is closed, the cables inside are protected by an anti-crushing gel. Quick, safe and easy-to-use protection for temporary electrical connections. Ideal to use in the garden, in construction sites, while camping, on terraces, and in general in all outdoor spaces that require electricity. FOR LIGHTING, CONSTRUCTION, GARDENING.



Art. 505 | ISOLCAVO – insulating cable box

Article	Description	Inner size cm (Length x Width x Height)	Colour	Package
505	Isolcavo – small	20 x 9 x 9	green or black	1 Pc
505M	Isolcavo – medium	28,5 x 11 x 15	green or black	1 Pc
505G	Isolcavo – big	33 x 14 x 23	green or black	1 Pc



GARDEN - PROTECTION FROM UNWANTED ANIMALS





VISUAL DETERRENTS FOR THE PROTECTION OF TERRACES, GARDENS, ORCHARDS AGAINST UNWISHED BIRDS AND ANIMALS: MOST EFFECTIVE, BUT HARMLESS.

ANTI-BIRD BALLOON WITH REFLECTIVE EYES



“SHIELD” REFLEX BAND – REFLECTIVE TAPE

VISUAL DETERRENTS AGAINST UNWANTED ANIMALS

Good aesthetic and environmental impact, never harmful for animals. Perfect to repel birds and unwanted animals (pigeons, starlings, sparrows, blackbirds, seagulls, but also rabbit and deer).

Art. 323/NS “SHIELD” REFLEX BAND – REFLECTIVE TAPE

THANKS TO THE COMBINED ACTION OF HOLOGRAPHY, WIND AND LIGHT, THIS SHIMMERING TAPE DISTURBS INVADING BIRDS AND CREATES AN OFF-LIMITS AREA THAT BIRDS WILL AVOID. THE SUNLIGHT OR OTHER LIGHT SOURCES MAKE IT PRODUCE A SHINY, SHIMMERING REFLECTION, INTERPRETED BY BIRDS AS A SIGNAL OF DANGER. THEY PERCEIVE IT AS A PREDATOR (FROM A DISTANCE, IT HAS A SIMILAR GLEAM TO THAT OF REPTILES) OR AS A RIVAL IN THE HUNT FOR FOOD AND VITAL SPACE. MOREOVER, THE GENTLE METALLIC SOUND PRODUCED AT THE SLIGHTEST BREATH OF WIND DISTURBS AND REPELS BIRDS. SUITABLE FOR THE PROTECTION OF OPEN SPACES, GARDENS, TERRACES AND CORNICES.

Article	Description	Roll Length m	Usage zone	Package
323/NS	Reflective tape	30	Outdoors	6 Pcs box

Art. 326.R OWL WITH ROTATING HEAD

QUITE REALISTIC HARD PLASTIC REPRODUCTION OF AN OWL. IF PLACED IN THE OUTDOORS, IT SCARES BIRDS.

Article	Description	Height	Usage zone	Package
326R	Rigid plastic owl	42	Outdoors	1 Pc

Art. 324 PLASTIC PREDATOR HAWK

HARD PLASTIC REPRODUCTION OF A HAWK. SUSPEND IT IN THE AIR IN OUTDOOR ZONES TO REPEL BIRDS. THE POSSIBLE PRESENCE OF WIND DETERMINES THE MOVING OF ITS WINGS, THUS ENHANCING ITS DETERRENT EFFECT. SUITABLE FOR THE PROTECTION OF GARDENS, GOLF COURSES AND OTHER OUTDOOR SPACES.

Article	Description	Dimensions cm	Usage zone	Package
324	Hard plastic hawk	25	Outdoors	1 Pc

Art. 325/P ANTI-BIRD BALLOON WITH REFLECTIVE EYES

PVC INFLATABLE BALLOON WITH A DIAMETER OF 40 CM, SUSPENDED IN MID AIR, WITH THREATENING EYES ON ALL SIDES THAT SCARE BIRDS WITH THEIR MOVEMENT. TO BE HUNG OUTDOORS WITH A NYLON OR ELASTIC THREAD (FOR OPTIMAL RESULTS, USE IT TOGETHER WITH ART. 323/NS, THE REFLECTIVE TAPE). PLACE IT HIGH, IN A WELL VISIBLE POSITION AND FREE TO OSCILLATE IN THE WIND. SUITABLE FOR THE DETERRENCE OF BIRDS IN ROOFS, TOURIST PLACES, GARDENS, TERRACES, POOLS, VEGETABLE GARDENS, ORCHARDS AND VINEYARDS. THIS DETERRENT IS PARTICULARLY TERRIFYING FOR BIRDS.

Article	Description	Dimensions cm	Package
325/P	Balloon with reflective eyes	40	1 Pc



Art. 323.NS



Art. 326.R



Art. 324



Art. 325/P





ANTI-INTRUDERS

Spiky polypropylene barriers to protect your housing area from unwanted intrusions.  
**Technical specifications:** perforated base, total height (base + spikes) 2 cm. Clean the surface.

Art. 310/D ANTI-INTRUDERS PROPYLENE BAR

SPIKY POLYPROPYLENE BARRIER TO PROTECT YOUR HOUSEHOLD AGAINST INTRUDERS.

Article	Material	Length	Width	Package
310/D	Polypropylene	45 cm	45 cm	24 Pcs

Art. 310/A ANTI-INTRUDERS ANGULAR PROPYLENE BAR

SPIKY POLYPROPYLENE BARRIER TO PROTECT YOUR HOUSEHOLD AGAINST INTRUDERS.

Article	Material	First side	Second side	Length	Package
310/A	Polypropylene	3 cm	4,5 cm	46 cm	24 Pcs

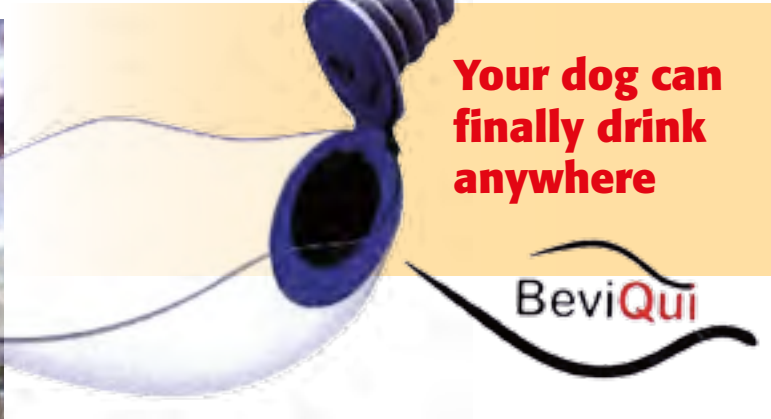
Art. 310/M ANTI-INTRUDERS ANGULAR PROPYLENE TILE

SPIKY POLYPROPYLENE BARRIER TO PROTECT YOUR HOUSEHOLD AGAINST INTRUDERS.

Article	Material	Length	Width	Package
310/M	Polypropylene	23 cm	9 cm	24 Pcs

Drink Here

POCKET-SIZED DOG DRINKING BOWL



Article	Description	Accessories	Colours
506EM12	Wall connector	12 bowls	4 assorted colours : yellow, red, blue, green
506EB16	Counter connector	16 bowls	4 assorted colours : yellow, red, blue, green

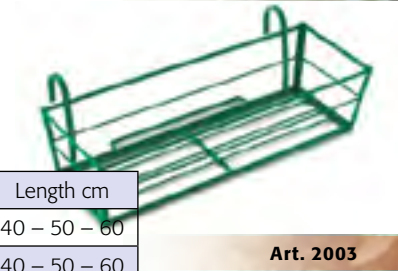
FLOWER RACKS

Perfect accessory to keep flower pots and cases. Highest versatility and adaptability for small, medium and big windowsills. Several models for indoor spaces. Easy to install.  
**Technical specifications:** metal coated with polyester powders for outdoors, or galvanized metal in silver colour.  
**WITH STRIP IRON:** ANGULAR FE37 13 x 13 MM WITH FINISHING OF KNURLED STEEL RODS, Ø 6 MM.  
**WITH WIRE:** WHITE. KNURLED STEEL ROD, Ø 6 MM

Art. 2003/ 2103 BALCONY FLOWER RACK WITH ROUND HOOK

BALCONY FLOWER RACK WITH BENT CLAMPING HOOK. AVAILABLE IN TWIN ROD OR WIRE.  
FOR BALCONIES WITH IRON RAILING

Article	Material	Treatment	Height	Length cm
2003	Strip Iron	Painted – green, painted – black, galvanized – white	16 cm	40 – 50 – 60
2103	Wire	Painted – green, painted – black, galvanized – white	16 cm	40 – 50 – 60



Art. 2003

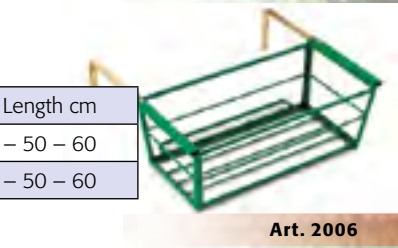
Art. 2006/ 2106 BALCONY FLOWER RACK WITH ADJUSTABLE HOOK

BALCONY FLOWER RACK WITH ADJUSTABLE HOOK ANCHORAGE. AVAILABLE IN TWIN ROD OR WIRE.  
FASTENING: WITH 2 ADJUSTABLE HOOKS (INCLUDED), UP TO 21 CM VARIATION, AND 2 GALVANIZED SCREWS (INCLUDED) FOR THE FASTENING OF THE ADJUSTABLE HOOKS. FOR BRICKWORK BALCONIES.

Article	Material	Treatment	Height	Length cm
2006	Strip Iron	Painted – green, painted – black, galvanized – white	16 cm	40 – 50 – 60
2106	Wire	Painted – green, painted – black, galvanized – white	16 cm	40 – 50 – 60



Art. 2103



Art. 2006



Art. 2010 BALCONY ROUND VASE HOLDER

WINDOWSILL ROUND POT HOLDER WITH ROUND HOOK ANCHORAGE.  
FOR BALCONIES WITH IRON RAILING.  
MAXIMUM LOAD: 12 KG

Article	Material	Treatment	Diameter
2010	Wire	Painted – green, painted – black, galvanized – white	23 cm



Art. 2006

Art. 2013 4 HOOK WINDOWSILL VASE HOLDER

TO PREVENT THE FALL OF FLOWER BOTS AND BOXES. HIGHEST ADAPTABILITY ON WINDOWSILLS OF ALL SIZES. SPECIAL ANCHORAGE WITH 4 GALVANIZED HOOKS IN GOLDEN COLOUR WITH ADJUSTABLE EXTENSION, FROM MIN 13 CM UP TO MAX 40 CM. PERFECT AND SAFE FASTENING ON ANY KIND OF BRICKWORK RAILING OR PARAPET. EASY TO INSTALL.  
**TECHNICAL SPECIFICATIONS:**  
**WITH TWIN LEAD:** ANGULAR FE37 13 x 13 MM WITH FINISHINGS OF KNURLED STEEL ROD, Ø 6 MM.  
**WITH WIRE:** KNURLED STEEL ROD, Ø 6 MM  
4 BRACKETS OF ADJUSTABLE LENGTH: MIN 13 CM, MAX 40 CM; WIDTH 11 CM

Article	Material	Treatment	Height cm	Length cm
2013	Strip Iron	Painted – green, painted – black, galvanized – white	16	50 – 60
2014	Wire	Painted – green, painted – black, galvanized – white	16	50 – 60



Art. 2013



Art. 2014





Art. 2023



Art. 2030



Art. 2032



Art. 2033



Art. 2023



Art. 2040



Art. 2050



Art. 2023 | SHORT WINDOWSILL VASE BARRIER

TO PREVENT THE FALL OF FLOWER POTS OR BOXES LAID ON WINDOWSILLS. HIGHEST ADAPTABILITY ON BALCONIES OF ANY SIZE THANKS TO ITS ADJUSTABLE ANGLE BRACKETS. EASY TO INSTALL.  
ADJUSTABLE LENGTH BRACKET:  
SHORT VASE BARRIER. LENGTH: MIN 59 CM, MAX 110 CM. WIDTH: 11 CM  
LONG VASE BARRIER. LENGTH: MIN 87 CM, MAX 170 CM. WIDTH: 7,5 CM  
WITH STRIP IRON: ANGULAR FE7 13 X 13 MM. GALVANIZATION: 9 COATS. INCLUDED: 4 PLASTIC PLUGS OF Ø 6 MM FOR THE FASTENING ON THE WALL.

Article	Description	Treatment	Length cm		Package
			min	max	
2023.Z	Short windowsill vase barrier	Galvanized – white	59	110	2 Pcs
2024.Z	Long windowsill vase barrier	Galvanized – white	87	170	2 Pcs

Art. 2030 | ROUND 3 WHEEL VASE TROLLEY

ROUND VASE TROLLEY WITH THREE WHEELS. PERFECT FOR SMALL AND MEDIUM ROUND PLANT POTS, ENABLES EASY MOVING. WITH STRIP IRON: ANGULAR FE7 13 X 13 MM. GALVANIZATION: 9 COATS. INCLUDED: 3 WHEELS OF Ø 6 MM.

Article	Description	Treatment	Height cm	Diameter cm
2030	Small round trolley with 3 wheels, Lateral bridges of 2 mm thick metal rod	Galvanized – white	17	23 26 30
2031	Big round trolley with 3 wheels, side hem of 2 mm thick metal rods	Galvanized – white	21	30 40 50
2032	Open round trolley with 3 wheels, without side hem	Galvanized – white	17	23 26 30

Art. 2033 | TROLLEY FOR FLOWER BOXES.  
Rectangular – 4 wheels

4 WHEEL RECTANGULAR METAL TROLLEY. PERFECT FOR SMALL AND MEDIUM RECTANGULAR PLANT BOXES, IT HELPS WITH THEIR MOVING. WITH STRIP IRON: ANGULAR FE7 13 X 13 MM. INCLUDED: 4 WHEELS OF Ø 6 MM.

Article	Description	Treatment	Height cm	Length cm
2033	Open rectangular trolley without lateral bridges, with 4 wheels, 3 sizes available	Painted – green, painted – black, galvanized – white	17	40 50 60
2034	Closed small rectangular trolley with lateral bridges of 2 mm thick metal rods, with 4 wheels, 3 sizes available	Painted - green, painted - black, galvanized - white	17	40 50 60
2035	Closed big rectangular trolley with lateral bridges of 2 mm thick metal rods, with 4 wheels, 4 sizes available	Painted - green, painted - black, galvanized - white	17	70 80 90 100

Art. 2040 | ROUND VASE HOLDER IN METAL FOR INDOOR WITH 4 STORING POSITIONS.

INDOOR 4-POT METAL ROUND VASE HOLDER. VERY PLEASANT LOOK CREATING WONDERFUL PLANT COMPOSITIONS. HEIGHT: 64 CM.

Article	Description	Treatment	Vases held	Height cm
2040	Multi-pot round vase holder	Painted – green, painted – black, galvanized – white	4	64

Art. 2050 | FLOWER POT AND BOX HOLDER on three levels – with wheels

INDOOR 4 WHEEL VASE HOLDER, METAL, ON 3 LEVELS. VERY PLEASANT OUTLOOK, ALLOWS TO HOLD POTS CREATING WONDERFUL PLANT COMPOSITIONS AND HELPS WITH THEIR MOVING. WITH STRIP IRON: ANGULAR FE7 13 X 13 MM. INCLUDED: 4 WHEELS OF Ø 6 MM.

Article	Description	Treatment	Length cm	Height cm	Width cm
2050	Vase holder on three levels with wheels	Painted – green, painted – black, galvanized – white	60	72	56

URBAN FURNITURE





OUTDOOR BIKE RACK

TECHNICAL SPECIFICATIONS OF THE PRODUCT

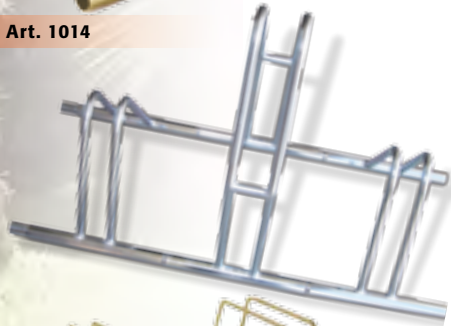
Outdoor bike racks are excellently crafted, weather resistant “Made in Italy” products. Standard sizes allow to host any model of bicycle or mountain bike. They are produced in galvanized metal (silver or golden colour) and painted metal (various colours on demand), so as to fit the best way possible in the surrounding environment and with other outdoor furniture. They include holes for floor fastening.

**AVAILABLE COLOURS:** emerald green RAL 6001, moss green RAL 6005, blue RAL 5003, yellow RAL 1003, red RAL 3000, anthrax grey RAL 7016, intense black RAL 9005, white RAL 9010, graphite dark grey RAL 7024.

LEGEND			
ZC	Hot-dip galvanized	Z	Galvanized
V	Painted	P	With advertisement



Art. 1014



Art. 1004



Art. 1004/TB



Art. 1005/TB



Art. 1014 MODULAR BIKE RACK

THE NUMBER OF PLACES CAN BE INCREASED AT ANY MOMENT AT THE CUSTOMER'S WISH. AVAIL-  
BLE ALSO WITH HOLES FOR THE FASTENING TO THE GROUND AND/OR WITH CLOSING PLUGS.

Dimensions	Height cm	Length cm	Width cm
Article 1014	28,5	33,5	36
Article 1014/TB	28,5	33,5	36
Article 1014/TB/DH	28,5	33,5	36

Article	Bike rack description	Treatment
1014	with wheel arch in metal rod, Ø 18 mm	Z V
1014/C	with closing plugs	Z V
1014/F	with hole for ground fastening	Z V
1014/TB	modular single place with wheel arch in metal tube, Ø 18 mm	Z V
1014/TB/DH	modular single place, double height, wheel arch in metal tube, Ø 18 mm	Z V

Art. 1004 FIXED BIKE RACK IN METAL ROD  
Without crossbeam

THE SIMPLEST MODEL, SUITABLE FOR ALL NEEDS. DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	23,5	56	36
3 places	23,5	90	36
4 places	23,5	126	36
5 places	23,5	152	36

Art. 1004/TB FIXED BIKE RACK IN METAL ROD  
Without crossbeam

DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	28,5	56	36
3 places	28,5	90	36
4 places	28,5	126	36
5 places	28,5	152	36

Article	Bike rack description	Places	Treatment
1004	wheel arch in metal rod, Ø 9 mm	2 3 4 5	ZC Z V
1004/TB	wheel arch in metal tube, Ø 18 mm	2 3 4 5	ZC Z V

Art. 1005/TB FIXED BIKE RACK IN METAL TUBE  
Without crossbeam – Double height

DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	47	56	36
3 places	47	90	36
4 places	47	126	36
5 places	47	152	36

Article	Bike rack description	Places	Treatment
1005	wheel arch in metal rod, Ø 9 mm	2 3 4 5	ZC Z V
1005/TB	wheel arch in metal tube, Ø 18 mm	2 3 4 5	ZC Z V

Art. 1005 FIXED BIKE RACK IN METAL ROD  
Without crossbeam – Double height

THE BIKE PLACES ARE ARRANGED ALTERNATELY ONE TALL AND ONE SHORT.  
ITS PARTICULAR FORM ALLOWS TO ARRANGE BIKES ONE HIGHER AND ONE LOWER TO ALLOW MORE  
SPACE FOR THE HANDLE.  
DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	32,5	56	36
3 places	32,5	90	36
4 places	32,5	126	36
5 places	32,5	152	36

Art. 1006 FIXED BIKE RACK - Transversal

THE BIKE PLACES ARE TRANSVERSAL  
BIKES ARE ARRANGED ANGULARLY SO AS TO OCCUPY LESS SPACE.  
DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	23,5	56	36
3 places	23,5	90	36
4 places	23,5	126	36
5 places	23,5	152	36

Article	Description	Places	Treatment
1006	Bike rack with wheel arch in metal rod, Ø 9 mm	2 3 4 5	ZC Z V

Art. 1054 FIXED BIKE RACK – With crossbeam

DOUBLE CROSSBEAM FOR EACH BIKE PLACE  
WHEELS ARE KEPT STRAIGHT BY THE DOUBLE CROSSBEAM LOCATED AT THE BOTTOM OF EVERY  
BIKE PLACE  
DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	23,5	56	36
3 places	23,5	90	36
4 places	23,5	126	36
5 places	23,5	152	36

Article	Description	Places	Treatment
1054	Bike rack with wheel arch in metal rod, Ø 9 mm	2 3 4 5	ZC Z V

Art. 1154 FIXED BIKE RACK  
With crossbeam and sustaining feet

EQUIPPED WITH SUSTAINING FEET AND DOUBLE CROSSBEAM FOR EACH BIKE PLACE  
IDEAL FOR SPACES WHERE IT IS IMPOSSIBLE TO FASTEN THE RACK TO THE GROUND. EASY TO MOVE.  
DISTANCE BETWEEN THE PLACES: 23 CM

Dimensions	Height cm	Length cm	Width cm
2 places	25,5	56	36
3 places	25,5	90	36
4 places	25,5	126	36
5 places	25,5	152	36

Article	Description	Places	Treatment
1154	Bike rack with wheel arch in metal rod, Ø 9 mm	2 3 4 5	ZC Z V



Art. 1005



Art. 1006



Art. 1054



Art. 1154



BIKE RACK FOR URBAN FURNISHING

The exclusive design of these bike racks ensures a high aesthetic level and makes them perfect for multiple environments in urban and apartment areas. The treatments used on this product ensure great resistance to weather agents, characterizing it as an outstanding example of “Made in Italy”. All our urban furnishing bike racks are galvanized and painted.

**TECHNICAL SPECIFICATIONS OF THE PRODUCT:** metal coated with polyester powders for outdoors and galvanized metal.

**AVAILABLE COLOURS:** white RAL 9010, yellow RAL 1003, red RAL 3000, blue RAL 5003, emerald green RAL 6001, moss green RAL 6005, anthrax grey RAL 7016, intense black RAL 9005, graphite dark grey RAL 7024. Models in wrought iron and cast iron available to.

**PECULIARITY OF THE ARTICLE:** perfect for urban furnishing or apartment areas.



Art. 1110



Art. 1120



Art. 1121



Art. 1121.C



Art. 1122

**Art. 1110** | **BIKE RACK – With concrete blocks**

ITS CONCRETE BASES SUSTAIN THE RACK AND PREVENT POTENTIAL THEFTS. AVAILABLE COLOURS: GALVANIZED AND POWDER COATED.

Article	Dimensions cm (Height x Length x Width)	Weight kg	No. bike places
1110	41 x 322,7 x 73	230	9
1111	41 x 282,5 x 73	215	7
1112	41 x 226,0 x 73	205	5

**Art. 1120** | **BIKE RACK – With steel sides**

THIS MODEL OF RACK FEATURES HOLES FOR THE FASTENING TO THE GROUND. STEEL SIDE ARCHES. AVAILABLE COLOURS: GALVANIZED AND POWDER COATED.

Article	Dimensions cm (Height x Length x Width)	Weight kg	Arches	No. bike places
1120.24	50 x 250 x 62	30	24	8
1120.18	50 x 200 x 62	25	18	6

**Art. 1121** | **BIKE RACK – Spiral shape**

IT CONSISTS OF A ROUND STEEL TUBE MOULDED INTO A SPIRAL SHAPE AND WELDED TO TWO SIDE HORIZONTAL SUPPORTS, WHICH ON THEIR PART ARE FASTENED TO TWO CURVED SIDE ARCH SUPPORTS. THE FEET OF THE SUPPORTS FEATURE PLATES FOR THE FASTENING TO THE GROUND. GALVANIZED AND POWDER COATED.

**Art. 1121.C** | **BIKE RACK – Spiral shape with concrete blocks**

ITS CONCRETE BASES SUSTAIN THE RACK AND PREVENT POTENTIAL THEFTS. GALVANIZED AND POWDER COATED.

Article	Dimensions cm (Height x Length x Width)	Weight kg	No. bike places
1121.5	50,5 x 204,0 x 50	28	5
1121.7	50,5 x 247,5 x 50	32	7
1121.9	50,5 x 287,5 x 50	32	9
1121.5.C	41,8 x 236,0 x 73	170	5
1121.7.C	41,8 x 279,5 x 73	190	7
1121.9.C	41,8 x 320,0 x 73	190	9

**Art. 1122** | **L-SHAPED BIKE RACK – steel side supports**

THIS MODEL FEATURES L-SHAPED BIKE PLACES AND HOLES FOR THE FASTENING TO THE GROUND. STEEL SIDE SUPPORTS. GALVANIZED AND POWDER COATED.

**Art. 1122.C** | **L-SHAPED BIKE RACK – with concrete blocks**

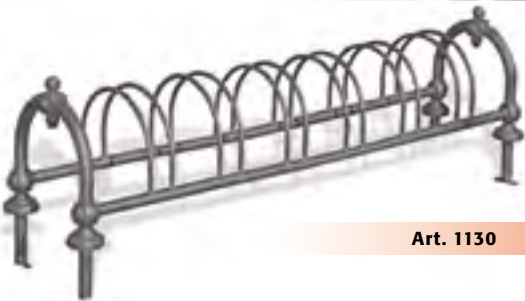
ITS CONCRETE BASES SUSTAIN THE RACK AND PREVENT POTENTIAL THEFTS.

Article	Dimensions cm (Height x Length x Width)	Weight kg	No. bike places
1122.3	43 x 160 x 39	26,5	3
1122.5	43 x 210 x 39	35	5
1122.7	43 x 260 x 39	43	7
1122.3.C	50 x 176 x 39	195	3
1122.5.C	50 x 226 x 39	205	5
1122.7.C	50 x 276 x 39	215	7

**Art 1130** | **WROUGHT IRON AND CAST IRON BIKE RACK**

MADE OF WROUGHT IRON AND CAST IRON. FEATURES 6 BIKE ARCHES. IDEAL FOR THE FURNISHING OF HISTORIC TOWN CENTRES AND PARTICULARLY FANCY APARTMENT AREAS.

Article	Treatment	Dimensions cm (Height x Length x Width)	No. bike places
1130	Painted - anthrax or galvanized - white	37 x 161 x 41,5	6



Art. 1130

**Art. 1123** | **BIKE RACK – for walls, with steel side supports**

THIS MODEL FEATURES HOLES FOR THE FASTENING TO THE WALL. GALVANIZED AND POWDER COATED.

Article	Dimensions cm (Height x Length x Width)	Weight kg	No. bike places
1123.5	55 x 200 x 31	32	5
1123.7	55 x 255 x 31	37	7
1123.9	55 x 300 x 31	45	9



Art. 1123

**Art. 1124** | **DOUBLE-SIDED BIKE RACK with removable advertisement sign holder**

DOUBLE-SIDED BIKE RACK PRESENTED AS ASSEMBLY KIT. CAN BE ASSEMBLED AND DISASSEMBLED. THIS MODEL OF TWO-SIDED RACK IS EQUIPPED WITH THE FRAME FOR THE FASTENING OF AN ADVERTISEMENT SIGN AND WITH THE SUPPORT PANEL. GALVANIZED AND POWDER COATED.

Article	Description	Height cm	Length cm	Width cm	No. bike places
1124	Galvanized and powder coated assembly kit	120	110	70	6



**Art. 1124.I** | **CUSTOMIZED SIGN**

CUSTOMIZED SIGN FOR ADVERTISEMENT PANEL.

Article	Description	Height cm	Length cm
1124.IB	Double-sided panel. Width: 3 mm. 4 + 4 colours print	29,5	94,5
1124.I	Adhesive sign. 4 + 4 colours print	29,5	94,5



Art. 1124

**Art 1125** | **DOUBLE HEIGHT BIKE RACK with advertisement sign holder**

THIS MODEL OF DOUBLE HEIGHT RACK IS EQUIPPED WITH THE FRAME FOR THE FASTENING OF AN ADVERTISEMENT SIGN. GALVANIZED. THE BIKE PLACES ARE ARRANGED ALTERNATELY ONE HIGHER AND ONE LOWER TO ALLOW MORE SPACE FOR THE HANDLE.

Article	Description	Length cm	Width cm	No. bike places
1125	Galvanized double height bike rack	148	30	5



Art. 1125



CLOSABLE INDOOR BIKE RACK

Ideal to hang bicycles and mountain bikes indoors, so as to preserve the condition of tyres. The bars are coated with anti-scratch material in order to avoid the damaging of the paint. Designed to occupy the minimum ground space when bikes are in place. Can be closed when not in use. Fasten to the wall with wall plugs.



Art. 1101

Art 1101 | WALL BIKE RACK – square metal tube

SQUARE METAL TUBE, WIDTH 12 X 23 MM, GALVANIZED WITH SILVER COLOUR. LENGTH OF CLOSABLE BAR: 440 MM. WITH PROTECTIVE COVER. TO BE FASTENED TO THE WALL THROUGH THE TWO DEDICATED HOLES.



Art. 1102

Art 1102 | WALL BIKE RACK – round metal tube

ROUND METAL TUBE, DIAMETER 25 MM, GALVANIZED WITH SILVER COLOUR OR PAINTED IN GREY RAL 9600. LENGTH OF CLOSABLE BAR: 460 MM. WITH BLACK FOAM HANDLE. TO BE FASTENED TO THE WALL THROUGH THE 6 DEDICATED HOLES.

Article	Description	Treatment	Dimension - open Width x Height x Depth cm	Dimension - closed Width x Height x Depth cm	Bar length cm
1101	Square tube wall bike rack	Galvanized - silver colour	40 x 5 x 34	40 x 5 x 4	44
1102	Round tube wall bike rack	Galvanized - silver colour	52,5 x 33 x 53	52,5 x 33 x 15	46



MOTORBIKE RACKS

Motorbike racks are specially designed to allow an orderly parking of motorbikes both in urban spaces and in apartments, and to reduce the risk of thefts.

Treatments			
<b>A</b>	Painted – Anthrax RAL 7016	<b>V</b>	Painted – Grey RAL 9600
<b>Z</b>	Galvanized - White	<b>C</b>	Hot dip galvanized

Art. 1173 | MOTOR BIKE BLOCK

Article	Description	Dimensions cm	Treatment	Package
1173	2 places, tube metal, Ø 48 mm	Height 120	A - Z - C	1Pc

Art. 1174 | MOTOR BIKE RACK

FOR 1 UP TO 10 MOTORBIKES. DISTANCE BETWEEN BIKE PLACS: 44 CM.

Article	Description	Dimensions cm	Treatment	Package
1174	10 places rack, tube metal, Ø 60 mm	150 x 65 x 54	A - V	1Pc



Art. 1173



Art. 1174



# Parking stop

The modern parking



PARKING STOP IS RAISED AND LOWERED THROUGH REMOTE CONTROL AND IS EXTREMELY EASY TO INSTALL WITHOUT ELECTRIC CABLES

Art. 508 PARKING STOP – BARRIER

Controlling the access to the own parking spot today is easier and cheaper thanks to PARKING STOP, the new automatic barrier that does not require the laying in place of any electric cable or the work of specialized operators and can be activated from a distance with a simple remote control.

**Easy and quick to install.** It is installed really quickly through simple expansion plugs.

**Easy to use.** Can be opened and closed automatically, without leaving the car.

**Guaranteed functioning.** Parking stop was designed to work under any weather conditions. Its functioning mechanisms are protected by a solid structure of painted steel, which resists major crushing and impacts.

**High visibility.** The yellow colour is highly visible. It is also possible to customize it with a label.

**Top security.** The automatic device is supplied by a low-voltage rechargeable battery.

**Great versatility.** Its size was designed and tested to adapt to any parking spot and any vehicle.



Article	Description	Dimensions open - cm	Dimensions closed - cm
508	Parking Stop barrier	39,5 x 53 x 43,5	39,5 x 53 x 9,8
508.BT	Rechargeable battery	–	–
508.CB	Battery charger	–	–
508.TL	Remote control	–	–

## PEDESTRIAN PROTECTION

Art. 513 PEDESTRIAN PROTECTION POST

THE PEDESTRIAN PROTECTION POST ALLOWS TO DELIMIT CAR-FREE AREAS AND PROTECT PEDESTRIAN TRAFFIC. AVAILABLE IN SEVERAL MODELS AND DIAMETERS, WITH OR WITHOUT CHAIN RINGS AND WITH OR WITHOUT REFLECTIVE BANDS. SEVERAL MODELS: WITH PLATE, FIXED IN THE GROUND, WITH LOCK.

**AVAILABLE COLOURS:**  
VARNISHED, MICACEOUS ANTHRAX COLOUR, YELLOW REFLECTIVE BANDS  
VARNISHED, RED COLOUR, WHITE REFLECTIVE BANDS  
WHITE, RED REFLECTIVE BANDS

Article	Description – Pedestrian Protection Post	Height cm
513/50	Ø 50 mm, fixed in the ground, red chain rings	120
513/50B	Ø 50 mm, fixed in the ground, white chain rings	120
513/50P	Ø 50 mm, with plate, red chain rings	100
513/50PB	Ø 50 mm, with plate, white chain rings	100
513/50L	Ø 50 mm, with lock space, red chain rings	120
513/50BL	Ø 50 mm, with lock space, white chain rings	120
513/60	Ø 60 mm, fixed in the ground, red chain rings	120
513/60B	Ø 60 mm, fixed in the ground, white chain rings	120
513/60P	Ø 60 mm, with plate, red chain rings	100
513/60PB	Ø 60 mm, with plate, white chain rings	100
513/60L	Ø 60 mm, with lock space, red chain rings	120
513/60BL	Ø 60 mm, with lock space, white chain rings	120

Article	Description – Pedestrian Protection Post	Height cm
512/I	Ø 80 mm, fixed in the ground, chain sphere without rings, anthrax colour	120
512/P	Ø 80 mm, with plate, chain sphere without rings, anthrax colour	100
512/L	Ø 80 mm, with lock space, chain sphere without rings, anthrax colour	120
513/I	Ø 80 mm, fixed in the ground, chain sphere with rings, anthrax colour	120
513/P	Ø 80 mm, with plate, chain sphere with rings, anthrax colour	100
513/L	Ø 80 mm, with lock space, chain sphere with rings, anthrax colour	120

Art. 513.B SHELL

DESIGNED FOR EXTRACTABLE PEDESTRIAN PROTECTION POSTS, INDISPENSABLE TO REMOVE THE POST WHEN IT IS NECESSARY TO OPEN THE PASSAGE. AVAILABLE WITH PIERCED LOCK PLATE.

Article	Description – Shell	Height cm	Diameter mm	Colours
513/B	For posts	20	50 60 80	B R Z
513/BF	For posts, with lock plate	20	50 60 80	B R Z
513.T	Black plastic cap for shells		50 60 80	

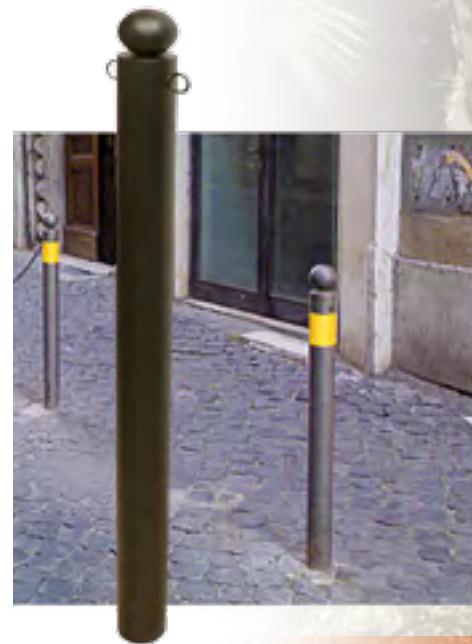
Art. 513.C CHAIN FOR PEDESTRIAN PROTECTION POSTS

CHAIN FOR PEDESTRIAN PROTECTION POSTS WITH CHAIN RINGS. AVAILABLE MATERIALS: BICOLOUR POLYETHYLENE, 6 – 8 – 10 MM; GREY MICA STEEL TREATED AGAINST CORROSION WITH 6 MM LINKS AND PITCH 42 OR 8 MM LIKS AND PITCH 52.

Article	Description	Size	Package
513 CA	Chain in micaceous anthrax	6 - 8	30 mt
513 CP	Chain in bicolour polyethylene	6 - 8 10	25 mt



Art. 513/50



Art. 513/I



Art. 513/B



Art. 513.CP





Art. 510/A



Art. 510/B



Art. 510/C

**Art. 510.A | MANUAL PARKING STOP**

ANTI-PARKING CLOSABLE ARCH WITH LOCK POSSIBILITY. GALVANIZED OR VARNISHED METALLIC TUBE WITH 40 MM DIAMETER.

**COLOURS:** VARNISHED YELLOW, VARNISHED RED, GALVANIZED SILVER COLOUR, GALVANIZED GOLDEN COLOUR WITH OR WITHOUT REFLECTIVE BANDS. SINGLE ITEM PACKAGING.

Article	Description	Width mm	Height mm	Weight kg	Package
510.A	Arch of varnished or galvanized metal tube	530	450	3,25	1Pc

**Art. 510.B | MANUAL PARKING STOP with sustaining bar**

ANTI-PARKING CLOSABLE ARCH WITH LOCK POSSIBILITY AND SUSTAINING BAR. GALVANIZED OR VARNISHED METALLIC TUBE WITH 40 MM DIAMETER.

**COLOURS:** VARNISHED YELLOW, VARNISHED RED, GALVANIZED SILVER COLOUR, GALVANIZED GOLDEN COLOUR WITH OR WITHOUT REFLECTIVE BANDS. SINGLE ITEM PACKAGING.

Article	Description	Width mm	Height mm	Weight kg	Package
510.B	Arch of varnished or galvanized metal tube with sustaining bar	530	450	4,00	1 Pc



**Art. 510.BA | SUSTAINING BAR**

**COLOURS:** VARNISHED YELLOW, VARNISHED RED, GALVANIZED SILVER COLOUR, GALVANIZED GOLDEN COLOUR.

Article	Description	Width mm	Height mm	Weight kg	Package
510.BA	Sustaining bar with rectangular profile	15x30	450	0,71	1 Pc

**Art. 510.C | MANUAL PARKING STOP with telescopic sustaining bar**

ANTI-PARKING CLOSABLE ARCH WITHOUT LOCK AND WITH TELESCOPIC SUSTAINING BAR. METALLIC TUBE WITH 40 MM DIAMETER.

**COLOURS:** VARNISHED OR GALVANIZED WITH OR WITHOUT REFLECTIVE BANDS. SINGLE ITEM PACKAGING.

Article	Description	Width mm	Height mm	Weight kg	Package
510.C	Arch of varnished or galvanized metal tube with telescopic sustaining bar	720	460	5,75	1 Pc

**Art. 510.FR | REFLECTIVE BANDS – CLASS 1**

REFLECTIVE BANDS SUITABLE FOR MANUAL PARKING STOP ARTICLES AND PEDESTRIAN PROTECTION ARTICLES, SO AS TO MAKE THE OBSTACLES CLEARLY VISIBLE EVEN IN POOR VISIBILITY CONDITIONS.

Article	Description	Height cm	Package
510.W	Reflective bands in white colour 3290	10	2 Pcs
510.W2	Reflective bands in white colour 3290	20	2 Pcs
510.R	Reflective bands in red colour 13152	10	2 Pcs
510.R2	Reflective bands in red colour 13152	20	2 Pcs

**Art. 514 - 515 | PEDESTRIAN PROTECTION ARCHES**

PEDESTRIAN PROTECTION ARCHES WITH SQUARED OR ROUND CURVE.

METAL TUBE: DIAMETERS 48 MM, 60 MM, 90 MM

TREATMENT: GALVANIZED OR VARNISHED

VARNISHING COLOURS: RED, WHITE, YELLOW, GREEN, MICACEOUS ANTHRAX

WITH OR WITHOUT REFLECTIVE BANDS, AVAILABLE IN WHITE, RED, YELLOW OR BLACK COLOUR.

**Art. 515 without crossbeam – Art. 515.CT with crossbeam**

Article	Description - Pedestrian Protection Arch	Height cm	Width cm
514/50	ROUND curve diam. 48 mm	120	54 60
514/90	ROUND curve diam. 90 mm	120	65
515/50	SQUARE curve diam. 48 mm	120	100 120 160 200 250
515/60	SQUARE curve diam. 60mm	120	100 120 160 200 250
515/90	SQUARE curve diam. 90 mm	120	100 120 160

**Art. 520 | CONCRETE BOLLARD**

CIRCULAR CONCRETE BOLLARD COMPOSED OF A MIXTURE OF INERT MATERIALS OF VARIOUS SIZES, COLOURS AND QUALITY.

EQUIPPED WITH GALVANIZED RING FOR ITS MOVEMENT OR THE FASTENING OF A CHAIN.

Article	Description	Diameter cm	Height cm	Weight kg
520L	Smooth concrete cylinder	44	68	145
520S	Sanded concrete cylinder	44	68	145
520B	Bush-hammered concrete cylinder	44	68	145
521L	Smooth concrete bollard	40	70	165
521S	Sanded concrete bollard	40	70	165
521B	Bush-hammered concrete bollard	40	70	165
525L	Smooth concrete bell	50	65	280
525S	Sanded concrete bell	50	65	280
525B	Bush-hammered concrete bell	50	65	280

**Art. 530 | UNBREAKABLE MIRROR with visor**

UNBREAKABLE MIRROR WITH POLYPROPYLENE VISOR AND POLE CONNECTION.

THE REFLECTIVE PART IS MIRRORED METHACRYLATE GARNISHED ALL AROUND WITH A BLACK PVC GASKET AND A BACK PART IN RED POLYPROPYLENE WITH VISOR.

HIGH RESISTANCE TO UV RAYS. EXTREME OPTICAL PURITY AND GREAT IMPACT AND TIME RESISTANCE. OUTSTANDING RESISTANCE TO WEATHER AGENTS, DOES NOT FORM RUST, TOLERATES HEAT WITH A VERY LOW COEFFICIENT OF COLOUR ALTERATION, GOOD MECHANICAL RESISTANCE.

AVAILABLE WITH VARIOUS SUPPORT SYSTEMS ACCORDING TO THE CUSTOMER'S NEEDS: 60 MM POLE CONNECTION OR WALL CONNECTION.

Article	Material	Diameter cm	Weight cm	Package
530/30	Polypropylene and acrylic	30	0,90	1 Pc
530/40	Polypropylene and acrylic	40	1,70	1 Pc
530/50	Polypropylene and acrylic	50	2,40	1 Pc
530/60	Polypropylene and acrylic	60	3,10	1 Pc
530/70	Polypropylene and acrylic	70	4,30	1 Pc
530/80	Polypropylene and acrylic	80	5,50	1 Pc
530/90	Polypropylene and acrylic	90	7,10	1 Pc

**Art. 530/AM | WALL CONNECTION FOR MIRROR**

WALL CONNECTION FOR THE MIRROR, GALVANIZED IRON. INDISPENSABLE IN SITUATIONS WHERE IT IS IMPOSSIBLE TO CONNECT THE MIRROR TO A POLE OR PLANT A POLE.

**Art. 530/PL | POLE FOR MIRROR**

POLE TO FASTEN THE MIRROR. GALVANIZED STEEL TUBE, DIAMETER

Article	Description	Material	Package
530/AM	Wall connection for mirror	Galvanized steel	1 Pc
530/PL	Mirror pole	Galvanized steel	1 Pc

Art. 514

Art. 515CT

Art. 520

Art. 521

Art. 525

Art. 530

Art. 530/PL



BENCHES

Outdoor benches with seat and seatback of treated wood. Great resistance.



Art. 1185



Art. 1186



Art. 1187



Art. 1188



Art. 1189

Art. 1185 BENCH of treated wood with concrete bases

**PINE WOOD SLATS** 50 X 140 X 1500 MM, OUTDOOR TREATMENT  
**TREATMENT OF STEEL PARTS:** VARNISHED WITH OUTDOOR POLYESTER POWDERS, GALVANIZED AND VARNISHED.  
**PROFILE STRUCTURE** 50 X 25 CM, GALVANIZED AND VARNISHED.

Article	Description	Length cm	Seat Width cm	Seat Height cm	Total Height cm
1185	Plain bench	170	42	42	42
1186	Plain bench with seatback	170	42	42	80

Art. 1187 BENCH of cast iron, "French" model

BENCH CONSISTING OF TWO SOLID AND ELEGANT SIDE SHOULDERS OF SPHEROIDAL CAST IRON, DESIGNED FOR GROUND ANCHORAGE, WITH A CENTRAL SUPPORT IN FLAT GALVANIZED IRON 25 X 4 MM  
**SEAT AND SEATBACK:** 10 SLATS OF TREATED IROKO OR NORDIC PINE  
**TREATMENT OF CAST IRON PARTS:** SANDED AND VARNISHED WITH OUTDOOR POLYESTER POWDERS, OPAQUE BLACK. SEAT HEIGHT: 41 CM.  
**PROFILE STRUCTURE** 50 X 25 CM, GALVANIZED AND VARNISHED.

Article	Description	Length cm	Width cm	Height cm	Weight kg
1187	French model	170	58	70	56
1187.200	French model	200	58	70	65

Art. 1188 BENCH of cast iron, "English" model

BENCH CONSISTING OF TWO SOLID AND ELEGANT SIDE SHOULDERS OF CAST IRON, DESIGNED FOR GROUND ANCHORAGE, WITH CURLED ARMRESTS.  
**SEAT AND SEATBACK:** 5 SLATS OF TREATED IROKO OR NORDIC PINE  
**TREATMENT OF CAST IRON PARTS:** SANDED AND VARNISHED WITH OUTDOOR POLYESTER POWDERS, OPAQUE BLACK. SEAT HEIGHT: 42 CM.

Article	Description	Length cm	Width cm	Height cm
1188	English model	162	66	82

Art. 1189 BENCH, "ECO" model

GALVANIZED AND VARNISHED METAL TUBE STRUCTURE, 50 X 25  
PINE WOOD SLATS, 40 X 100 X 1500 MM. OUTDOOR TREATMENT. SEAT HEIGHT: 42 CM

Article	Description	Length cm	Width cm	Height cm
1189	ECO model	150	42	82

DUSTBINS FOR GARDENS, PUBLIC AND PRIVATE SPACES

Among our many urban furnishing and garden products, here are a few proposals for galvanized sheet dustbins, perfect to ensure the maintenance of gardens, public and private spaces. They stand out for their functional and pleasant design, fit for any environment.

Art. 16022 METAL SHEET DUSTBIN

DUSTBIN REALIZED IN GALVANIZED AND VARNISHED METAL SHEET STILL TO EMBED.  
**TREATMENTS:** GALVANIZED – VARNISHED WITH OUTDOOR POLYESTER POWDERS

Article	Description	Dimensions mm	Height mm	Weight kg
16022	Capacity 26 lt	260 x 460	1200	7



Art. 16022

Art. 16023 "OSVALD" DUSTBIN

ELLIPTIC DUSTBIN REALIZED IN GALVANIZED AND VARNISHED METAL SHEET, EQUIPPED WITH ASHTRAY ON TOP. TO BE PLUGGED ON THE FLOOR.

Article	Description	Dimensions mm	Height mm	Weight kg
16023	Capacity 23 lt	550 x 350	933	30



Art. 16023



Art. 1175 MULTIBENCH

STRUCTURE: SECTIONAL BENCH WITH BASE, SEAT AND SEATBACK.

Article	Description	Treatment	Length cm	Total Height cm	Seat - Height cm
1175	Multibench with seatback	Galvanized - White, Painted - Green or Micaceous Anthrax	150	76	42



Art. 1175





MATERIAL HANDLING

BETTINI manual material handling carts offer the highest lightness and manageability together with safety and solidity. Realized with ergonomic measures and materials apt to meet the most various needs of space and function, they sensibly reduce the effort of the user, allowing to move more weight in less time. Available colour: varnished yellow.

Art. 1201 CART WITH SOLID WHEELS

THIS SOLID RUBBER WHEEL CART FEATURES GREAT LIGHTNESS AND REDUCED DIMENSIONS, WHICH ALLOW IT TO OPERATE EVEN IN PLACES WHERE BIGGER CARTS DO NOT FIT.

Article	Description	Dimensions cm	Load surface cm	Weight kg	Payload kg	Package
1201	For cases, sacks, vats	55 x 40 x 110	42 x 20	7,5	120	1 Pc
1201.rt	Solid wheels	160 x 50				2 Pcs

Art. 1202 CART WITH PNEUMATIC WHEELS

IDEAL FOR THE MOVEMENT OF BOXES AND SACKS. ITS PNEUMATIC WHEELS ALLOW TO USE IT ON ANY SURFACE. MADE OF TUBULAR METAL AND TWIN LEAD, IT ENSURES A VERY STRONG LOAD SURFACE AND A PAYLOAD OF 180 KG.

Article	Description – Cart	Dimensions cm	Load surface cm	Weight kg	Paylo- ad kg	Package
1202	For sacks, vats, boxes	55x45x110	45 x 20	8,1	180	1 Pc
1202.rt	Pneumatic wheels	260x85				2 Pcs
1202.rd	Locking washers	-				2 Pcs
1202.mp	Safety handles	-				2 Pcs
1203	For sacks, vats and big boxes	55x45x110	45 x 35	8,2	180	1 Pc

Art. 1204 THREE WHEEL CART

CART STUDIED FOR THE REDUCTION OF EFFORT BY THE USER 'S DURING THE MOVEMENT ON A STAIR. DURING THE PASSAGE FROM ONE STEP TO THE OTHER, THE RADIAL, TURNING, ALLOWS THE TROLLEY TO MAINTAIN A CONTINUOUS SUPPORT ON THE SCALE, THUS AVOIDING THE USER TO MAKE EFFORTS LIFTING.

Article	Cart Description	Dimensions cm	Support Plan cm	Weight kg	Load capacity kg
1204	with three nylon wheels	55 x 40 x 110	45 x 25	16	250

Art. 1205 CART FOR BIG BOXES AND VASES

DESIGNED FOR SITUATIONS WHERE IT IS NECESSARY TO MOVE VERY HEAVY BOXES OR VASES. ITS REDUCED WEIGHT MAKES IT SUITABLE FOR SITUATIONS OF FREQUENT LOADING AND DOWNLOADING. ITS PNEUMATIC WHEELS ADAPT TO AN SURFACE.

Article	Description – Cart	Dimensions cm	Load surface cm	Weight kg	Payload kg
1205	For big boxes and vases	55 x 40 x110	45 x 25	14	200

Art. 1206 EXTENDIBLE CART

DESIGNED TO TRANSPORT OBJECTS OF VARIOUS LENGTHS

Article	Description – Cart	Dimensions cm	Load surface cm	Weight kg	Payload kg
1206	Extendible and with closable handle	50 x 100 x 25	50 x 91 CLOSED 50 X 140 OPEN	14,3	200



Art. 1201



Art. 1202



Art. 1204



Art. 1205



Art. 1206



HEATING ACCESSORIES



ART. L105 RIGID PIPE CLEANER STICK

STEEL TOOL TREATED WITH WHITE GALVANIZATION. FEATURES A HOOK, A SPIRAL HANDLE AND A 12 MA CONNECTION AT THE END.

Article	Description	Connec- tion	Length mm	Package
L105.600	Rigid pipe cleaner sticks – steel	M12	600	10 Pcs
L105.750	Rigid pipe cleaner sticks – steel	M12	750	10 Pcs
L105.800	Rigid pipe cleaner sticks – steel	M12	800	10 Pcs
L105.900	Rigid pipe cleaner sticks – steel	M12	900	10 Pcs
L105.1000	Rigid pipe cleaner sticks – steel	M12	1000	10 Pcs
L105.1100	Rigid pipe cleaner sticks – steel	M12	1100	10 Pcs
L105.1200	Rigid pipe cleaner sticks – steel	M12	1200	10 Pcs

Article	Description	Connection	Length mm	Package
L105p.1000	Extension for rigid pipe cleaner stick steel	M12	1000	10 Pz
L105p.1300	Extension for rigid pipe cleaner stick steel	M12	1300	10 Pz
L105p.1600	Extension for rigid pipe cleaner stick steel	M12	1600	10 Pz

ART. L106 RIGID PIPE CLEANER STICK WITH ONE JUNCTION

STEEL TOOL TREATED WITH WHITE GALVANIZATION. FEATURES A HOOK, A SPIRAL HANDLE AND A 12 MA CONNECTION AT THE END. SEVERAL SIZES AVAILABLE.

Article	Description	Connection	Length mm	Package
L106.1200	Pipe cleaner sticks with 1 junction	M12	1200	10 Pcs
L106.1350	Pipe cleaner sticks with 1 junction	M12	1350	10 Pcs
L106.1500	Pipe cleaner sticks with 1 junction	M12	1500	10 Pcs
L106.1800	Pipe cleaner sticks with 1 junction	M12	1800	10 Pcs
L106.1900	Pipe cleaner sticks with 1 junction	M12	1900	10 Pcs
L106.2000	Pipe cleaner sticks with 1 junction	M12	2000	10 Pcs
L106.2150	Pipe cleaner sticks with 1 junction	M12	2150	10 Pcs

ART. L107 RIGID PIPE CLEANER STICK WITH TWO JUNCTIONS

METAL TOOL FEATURING A HOOK, A SPIRAL HANDLE AND A 12 MA CONNECTION AT THE END. SEVERAL SIZES AVAILABLE, ALSO CUSTOM SIZES AVAILABLE ON DEMAND.

Article	Description	Connection	Length mm	Package
L107.2500	Pipe cleaner sticks with 2 junctions	M12	2500	10 Pcs
L107.3000	Pipe cleaner sticks with 2 junctions	M12	3000	10 Pcs
L107.3500	Pipe cleaner sticks with 2 junctions	M12	3500	10 Pcs
L107.4000	Pipe cleaner sticks with 2 junctions	M12	4000	10 Pcs

ART. L108 NYLON AND STEEL PIPE CLEANERS

STEEL BASE, DIAMETER 3,5 MM WITH 12 MA THREADED CONNECTION. NYLON OR STEEL BRISTLES. STEEL TOOL FOR THE CLEANING OF PIPES. AVAILABLE IN SEVERAL SIZES: DIAMETER FROM 20 MM TO 200 MM. CUSTOM SIZES AND RECTANGULAR SHAPE AVAILABLE ON DEMAND.

Article	Description	Connection	Length mm	Package
L108.20.40	Steel pipe cleaner	M12	Da 20 a 40	10 Pcs
L108.45.100	Steel pipe cleaner	M12	Da 45 a 100	10 Pcs
L108.110.120	Steel pipe cleaner	M12	Da 110 a 120	10 Pcs
L108.140.160	Steel pipe cleaner	M12	Da 140 a 160	10 Pcs
L108.180.200	Steel pipe cleaner	M12	Da 180 a 200	10 Pcs
L108	Steel pipe cleaner with large grommet stick, length 790 mm	M12	100	10 Pcs
L108.R.40.20	Rectangular steel pipe cleaner	M12	40 X 20	10 Pcs
L108.R.90.30	Rectangular steel pipe cleaner	M12	90 X 30	10 Pcs
L108.R.90.60	Rectangular steel pipe cleaner	M12	90 X 60	10 Pcs
L109	Square steel pipe cleaner	M12	25 X 25	10 Pcs



Art. L105



Art. L106



Art. L107



Art. L108





Art. L110



Art. L111



Art. L112



Art. L201



Art. L203



ART. L109R | NYLON RECTANGULAR PIPE CLEANERS

TOOL FOR CLEANING GAS BOILERS. STICK IN GALVANIZED WHITE WIRE, DIAMETER 2,7 MM. BRISTLES OF NYLON OR CORRUGATED STEEL. CUSTOMIZED SIZES ON DEMAND.

Article	Description	Material	Diameter mm	Package
L109.R	Rectangular nylon pipe cleaner	Steel and nylon	50 x 90	10 Pcs

ART. L110 | NYLON AND STEEL PIPE CLEANERS WITH TWISTED STICK

TOOL FOR CLEANING GAS BOILERS. STICK IN GALVANIZED WHITE WIRE, DIAMETER 2,7 MM. ROUND NYLON OR CORRUGATED STEEL BRUSH, AVAILABLE IN SEVERAL SIZES. CONIC NYLON BRUSH AVAILABLE WITH DIAMETER 20 TO 60 MM. STICK LENGTH: 600 MM.

Article	Description	Material	Diameter mm	Packa-ge
L110	Round nylon pipe cleaner with twisted stick	Steel and nylon	Da 20 a 40	10 Pcs
L110.C	Conic nylon pipe cleaner with twisted stick	Steel and nylon	da 20 a 60	10 Pcs

ART. L111 | “SHOE” SHAPED BRUSH

RECOMMENDED FOR THE CLEANING OF HARD SURFACES, METALLIC PARTS, STONES. WOODEN BASE, SMOOTH STEEL BRISTLES.

Article	Description	Shape	Bristle material	Package
L111	Wooden and steel brush	“Shoe”	Steel	24 Pcs

ART. L112 | BRUSH WITH WOODEN HANDLE

RECOMMENDED FOR THE CLEANING OF HARD SURFACES, ALSO UNEVEN ONES, METALLIC PARTS, STONES. WOODEN BASE, SMOOTH STEEL BRISTLES. PARTICULARLY COMFORTABLE TO USE TANKS TO ITS HANDLE.

Article	Description	Material	Length mm	Package
L150.450	Scraper with spiral handle	Steel	450	10 Pcs
L150.600	Scraper with spiral handle	Steel	600	10 Pcs

ART. L150 | SCRAPER WITH SPIRAL HANDLE

WHITE GALVANIZED METAL, WITH WHITE GALVANIZED SPIRAL HANDLE

Article	Description	Material	Length mm	Package
L150.450	Scraper with spiral handle	Steel	450	10 Pcs
L150.600	Scraper with spiral handle	Steel	600	10 Pcs

ART. L201 | SHOVEL WITH WOODEN HANDLE

SHOVEL OF WHITE GALVANIZED METAL WITH WOODEN HANDLE. PERFECT FOR THE FIRE. AVAILABLE IN THREE DIFFERENT SIZES:

TYPE 1 – TOTAL LENGTH 420 MM, WITH SHOVEL DIMENSIONS 110 X 210 MM  
TYPE 1 BIS – TOTAL LENGTH 460 MM, WITH SHOVEL DIMENSIONS 135 X 230 MM  
TYPE 2 – TOTAL LENGTH 500 MM, WITH SHOVEL DIMENSIONS 140 X 250 MM

Article	Description	Material	Length mm	Package
L201.1	Type 1 shovel with spiral handle	Varnished black steel	420	50 Pcs
L201.1B	Type 2 shovel with spiral handle	Varnished black steel	460	50 Pcs
L201.2	Type 3 shovel with spiral handle	Varnished black steel	500	50 Pcs

ART. L203 | SHOVEL WITH SPIRAL HANDLE

SHOVEL OF BLACK VARNISHED METAL WITH GALVANIZED WHITE SPIRAL HANDLE. PERFECT FOR THE FIRE. AVAILABLE IN THREE DIFFERENT SIZES:

TYPE 1 – TOTAL LENGTH 420 MM, WITH SHOVEL DIMENSIONS 90 X 170 MM  
TYPE 2 – TOTAL LENGTH 470 MM, WITH SHOVEL DIMENSIONS 115 X 210 MM  
TYPE 3 – TOTAL LENGTH 500 MM, WITH SHOVEL DIMENSIONS 135 X 240 MM

Article	Description	Material	Length mm	Package
L203.1	Type 1 shovel with spiral handle	Varnished black steel	420	50 Pcs
L203.2	Type 2 shovel with spiral handle	Varnished black steel	470	50 Pcs
L203.3	Type 3 shovel with spiral handle	Varnished black steel	500	50 Pcs



Art. L204



Art. L206



Art. L207

ART. L204 | SPIRAL POKER

USEFUL FIRE POKER OF METAL WIRE WITH DIAMETER OF 5 MM. EQUIPPED WITH HOOK AND GALVANIZED SPIRAL HANDLE. AVAILABLE IN TWO VERSIONS.

Article	Description	Treatment	Length mm	Package
L204.1	Type 1 spiral poker	Galvanized White	400	150 Pcs
L204.1ZG	Type 1 spiral poker	Galvanized Yellow	400	150 Pcs
L204.1	Type 2 spiral poker	Galvanized White	450	150 Pcs
L204.1ZG	Type 2 spiral poker	Galvanized Yellow	450	150 Pcs

ART. L206 | COMPLETE VALVE FOR STOVE PIPE

SMOKE REGULATING VALVE. METALLIC VALVE OF VARIOUS SIZES WITH 6 MA THREAD, FLANGED NUT AND SPIRAL HANDLE, WITH METAL DISC INCLUDED. THE THREAD ALLOWS TO FASTEN THE VALVE IN THE DESIRED POSITION.

Article	Description	Treatment	Thread	Diameter mm	Package
L206.8	Steel valve for stove pipe	Galvanized White	M6	80	100 Pcs
L206.9	Steel valve for stove pipe	Galvanized White	M6	90	100 Pcs
L206.10	Steel valve for stove pipe	Galvanized White	M6	100	100 Pcs
L206.11	Steel valve for stove pipe	Galvanized White	M6	110	100 Pcs
L206.12	Steel valve for stove pipe	Galvanized White	M6	120	100 Pcs
L206.13	Steel valve for stove pipe	Galvanized White	M6	130	50 Pcs
L206.14	Steel valve for stove pipe	Galvanized White	M6	140	50 Pcs
L206.15	Steel valve for stove pipe	Galvanized White	M6	150	50 Pcs

ART. L207 | CLOTHES RACK – TYPE 937

CLOTHES RACK TO FASTEN ON THE STOVE PIPE. ADJUSTABLE, EQUIPPED WITH 6 FOLDABLE STICKS. THE STICK SUPPORT OS MADE OF GALVANIZED CHROME METAL, WITH WHITE OR BROWN VARNISHING. STICKS ARE MADE OF WHITE GALVANIZED METAL.

Article	Description	Treatment	Dimensions cm	Package
L207. K.8.9	Steel clothes rack – type 937	Chromed	8 to 9	25 Pcs
L207. K.10.11	Steel clothes rack – type 937	Chromed	10 to 11	25 Pcs
L207. K.12.13	Steel clothes rack – type 937	Chromed	12 to 13	25 Pcs
L207. K.14.15	Steel clothes rack – type 937	Chromed	14 to 15	25 Pcs
L207. B.8.9	Steel clothes rack – type 937	Varnished White	8 to 9	25 Pcs
L207. B.10.11	Steel clothes rack – type 937	Varnished White	10 to 11	25 Pcs
L207. B.12.13	Steel clothes rack – type 937	Varnished White	12 to 13	25 Pcs
L207. B.14.15	Steel clothes rack – type 937	Varnished White	15 to 15	25 Pcs
L207. M.8.9	Steel clothes rack – type 937	Varnished Brown	8 to 9	25 Pcs
L207. M.10.11	Steel clothes rack – type 937	Varnished Brown	10 to 11	25 Pcs
L207. M.12.13	Steel clothes rack – type 937	Varnished Brown	12 to 13	25 Pcs
L207. M.14.15	Steel clothes rack – type 937	Varnished Brown	14 to 15	25 Pcs
L207. N.8.9	Steel clothes rack – type 937	Varnished Black	8 to 9	25 Pcs
L207. N.10.11	Steel clothes rack – type 937	Varnished Black	10 to 11	25 Pcs
L207. N.12.13	Steel clothes rack – type 937	Varnished Black	12 to 13	25 Pcs
L207. N.14.15	Steel clothes rack – type 937	Varnished Black	14 to 15	25 Pcs





Art. L212



Art. L500



Art. L024



Art. L025



Art. L001

ART. L212 ADJUSTABLE PIPE COLLAR – patented model

PIPE-HOLDING COLLAR OF GALVANIZED OR PAINTED METAL, DISTANCE FROM WALL 4 CM TO 10 CM, EQUIPPED WITH SCREW AND S6 WALL PLUGS. PATENTED MODEL, ADJUSTABLE TO ALL PIPE DIAMETERS.

Article	Description	Treatment	Dimensions cm	Package
L212.Z.8.9	Adjustable pipe collar – steel	Galvanized White	8 to 9	24 Pcs
L212.Z.10.12	Adjustable pipe collar – steel	Galvanized White	10 to 12	24 Pcs
L212.Z.13.15	Adjustable pipe collar – steel	Galvanized White	13 to 15	24 Pcs
L212.B.8.9	Adjustable pipe collar – steel	Varnished White	8 to 9	24 Pcs
L212.B.10.12	Adjustable pipe collar – steel	Varnished White	10 to 12	24 Pcs
L212.B.13.15	Adjustable pipe collar – steel	Varnished White	13 to 15	24 Pcs
L212.M.8.9	Adjustable pipe collar – steel	Varnished Brown	8 to 9	24 Pcs
L212.M.10.12	Adjustable pipe collar – steel	Varnished Brown	10 to 12	24 Pcs
L212.M.13.15	Adjustable pipe collar – steel	Varnished Brown	13 to 15	24 Pcs
L212.N.8.9	Adjustable pipe collar – steel	Varnished Black	8 to 9	24 Pcs
L212.N.10.12	Adjustable pipe collar – steel	Varnished Black	10 to 12	24 Pcs
L212.N.13.15	Adjustable pipe collar – steel	Varnished Black	13 to 15	24 Pcs

ART. L500 FIREPLACE KIT

TOOLS FOR THE MANAGEMENT OF THE FIREPLACE. THE METAL SUPPORT CAN BE FIXED DIRECTLY ON THE WALL THROUGH WALL PLUGS (INCLUDED). THE KIT COMPRISES: METAL SUPPORT, HOOK, SCRAPER, PUNCH AND BLACK PAINTED SHOVEL. ALL OF THEM ARE MADE OF METAL AND WITH SPIRAL HANDLE. THE KIT IS AVAILABLE IN ANY SIZE AND COMPOSITION.

Article	Description	Treatment	Material	Package
L500	Fireplace kit	Galvanized White	Steel	10 Pcs

ART. L024 FLAT BRACKETS

BRACKETS OF WHITE GALVANIZED METAL, SUITABLE FOR RADIATORS. THREE MODELS: FOR TWO-COLUMN RADIATORS (TEMA TYPE) AND FOR RADIATORS WITH VARIABLE CONNECTION FROM 4 CM TO 6 CM. WALL FASTENING (8 CM).

Article	Description	Length mm	Wall fastening cm	Package
L024.160	For two-column radiator	160	8	100 Pcs
L025.90	For aluminium radiator	170	8	100 Pcs
L025.110	For aluminium radiator	190	8	100 Pcs

ART. L025 FLAT BRACKETS WITH PLATE

BRACKETS OF WHITE GALVANIZED METAL, SUITABLE FOR RADIATORS. THREE MODELS: FOR TWO-COLUMN RADIATORS (TEMA TYPE) AND FOR RADIATORS WITH VARIABLE CONNECTION FROM 4 CM TO 6 CM. FASTENING THROUGH SCREW AND S8 PLUG (INCLUDED).

Article	Brackets description	Length mm	Package
L025.70	For two-column radiator (screw and plugs included)	70	100 Pcs
L024.90	For aluminium radiator (screw and plugs included)	90	100 Pcs
L024.110	For aluminium radiator (screw and plugs included)	110	100 Pcs

ART. L001 BRACKETS – TYPE 935/P

WHITE GALVANIZED STEEL BRACKETS FOR CAST IRON RADIATORS WITH 1"1/4 CONNECTION. WALL FASTENING (8 CM).

Article	Bracket description	Length mm	Wall fastening cm	Package
L001.18	For cast iron radiator	180	8	100 Pcs
L001.20	For cast iron radiator	200	8	100 Pcs
L001.22	For cast iron radiator	220	8	100 Pcs
L001.26	For cast iron radiator	260	8	50 Pcs
L001.29	For cast iron radiator	290	8	50 Pcs

ART. L004 BRACKETS – TYPE 936/DS

WHITE GALVANIZED STEEL BRACKETS FOR CAST IRON RADIATORS WITH 1"1/4 CONNECTION. TO BE USED IN PAIRS (ONE LEFT AND ONE RIGHT). WALL FASTENING (8 CM).

Article	Bracket description	Length mm	Wall fastening cm	Package
L004.22	For cast iron radiator	220	8	100 Pcs
L004.24	For cast iron radiator	240	8	100 Pcs
L004.26	For cast iron radiator	260	8	50 Pcs
L004.28	For cast iron radiator	280	8	50 Pcs

ART. L005 BRACKETS – TEMA TYPE/DS

WHITE GALVANIZED STEEL BRACKETS FOR CAST IRON RADIATORS WITH 1" CONNECTION. TO BE USED IN PAIRS (ONE LEFT AND ONE RIGHT). WALL FASTENING (8 CM).

Article	Bracket description	Length mm	Wall fastening cm	Package
L005.17	For 3-column cast iron radiator	170	8	100 Pcs
L005.20	For 3-column cast iron radiator	200	8	100 Pcs
L004.22	For 3-column cast iron radiator	220	8	100 Pcs

ART. L012 LARGE POLISHED BRACKETS WITH SUPPORT

LARGE WHITE POLISHED STEEL BRACKETS FOR SINKS WITH SUPPORT STICK. WALL FASTENING (7 CM).

Article	Bracket description	Length mm	Wall fastening cm	Package
L012	Large polished bracket for sinks with support stick	400	7	50 Pcs

ART. L014 N-SHAPED POLISHED BRACKETS

WHITE POLISHED STEEL BRACKETS FOR SINKS WITH WALL FASTENING (7 CM).

Article	Bracket description	Length mm	Wall fastening cm	Package
L014.30	N-shape polished brackets for sinks	300	7	100 Pcs
L014.35	N-shape polished brackets for sinks	350	7	100 Pcs
L014.40	N-shape polished brackets for sinks	400	7	100 Pcs

ART. L017 S-SHAPED POLISHED BRACKETS

WHITE POLISHED STEEL BRACKETS FOR SINKS. FASTENING THROUGH SCREW AND SLM 8 PLUG (INCLUDED).

Article	Bracket description	Package
L017	S-shape polished brackets for sinks (screw and plug included)	50 Pcs

ART. L009 HALF COLLAR HEAVY TYPE

WHITE GALVANIZED STEEL HALF COLLARS FOR COPPER AND IRON PIPES. FASTENING THROUGH SCREW AND PLUG (PROVIDED ON DEMAND).

Article	Description	Dimensions mm	Package
L009.6	Half collar – heavy type	6	100 Pcs
L009.8	Half collar – heavy type	8	100 Pcs
L009.10	Half collar – heavy type	10	100 Pcs
L009.12	Half collar – heavy type	12	100 Pcs
L009.14	Half collar – heavy type	14	100 Pcs
L009.16	Half collar – heavy type	16 - 3/8"	100 Pcs
L009.18	Half collar – heavy type	18	100 Pcs
L009.20	Half collar – heavy type	20	100 Pcs
L009.22	Half collar – heavy type	22 - 1/2"	100 Pcs
L009.26	Half collar – heavy type	26 - 3/4"	100 Pcs
L009.33	Half collar – heavy type	33 - 1"	50 Pcs
L009.42	Half collar – heavy type	42 - 1" 1/4	50 Pcs
L009.46	Half collar – heavy type	46 - 1" 1/2	50 Pcs
L009.60	Half collar – heavy type	60 - 2"	50 Pcs



Art. L004



Art. L005



Art. L012



Art. L014



Art. L017



Art. L009



ART. L009.CVT | HALF COLLAR HEAVY TYPE (with screw and plug)

WHITE GALVANIZED STEEL HALF COLLARS FOR COPPER AND IRON PIPES. FASTENING THROUGH SCREW AND PLUG.



Art. L009CVT

Article	Description	Dimensions mm	Package
L009.CVT.6	Half collar – heavy type (with screw and plug)	6	100 Pcs
L009.CVT.8	Half collar – heavy type (with screw and plug)	8	100 Pcs
L009.CVT.10	Half collar – heavy type (with screw and plug)	10	100 Pcs
L009.CVT.12	Half collar – heavy type (with screw and plug)	12	100 Pcs
L009.CVT.14	Half collar – heavy type (with screw and plug)	14	100 Pcs
L009.CVT.16	Half collar – heavy type (with screw and plug)	16 - 3/8"	100 Pcs
L009.CVT.18	Half collar – heavy type (with screw and plug)	18	100 Pcs
L009.CVT.20	Half collar – heavy type (with screw and plug)	20	100 Pcs
L009.CVT.22	Half collar – heavy type (with screw and plug)	22 - 1/2"	100 Pcs
L009.CVT.26	Half collar – heavy type (with screw and plug)	26 - 3/4"	100 Pcs
L009.CVT.33	Half collar – heavy type (with screw and plug)	33 - 1"	50 Pcs
L009.CVT.42	Half collar – heavy type (with screw and plug)	42 - 1" 1/4	50 Pcs
L009.CVT.46	Half collar – heavy type (with screw and plug)	46 - 1" 1/2	50 Pcs
L009.CVT.60	Half collar – heavy type (with screw and plug)	60 - 2"	50 Pcs

ART. L010 | SUPPORT FOR HEAVY TYPE COLLAR

SUPPORT FOR WHITE GALVANIZED STEEL COLLARS FOR GAS PIPES. FASTENING THROUGH SCREW AND PLUG (PROVIDED ON DEMAND).



Art. L010

Article	Description	Dimensions mm	Package
L010.16	Collar support (with screw and plug)	16 - 3/8"	100 Pcs
L010.22	Collar support (with screw and plug)	22 - 1/2"	100 Pcs
L010.26	Collar support (with screw and plug)	26 - 3/4"	100 Pcs
L010.33	Collar support (with screw and plug)	33 - 1"	50 Pcs
L010.42	Collar support (with screw and plug)	42 - 1" 1/4	50 Pcs
L010.46	Collar support (with screw and plug)	46 - 1" 1/2	50 Pcs
L010.60	Collar support (with screw and plug)	60 - 2"	25 Pcs
L010.73	Collar support (with screw and plug)	73 - 2" 1/2	25 Pcs
L010.89	Collar support (with screw and plug)	89 - 3"	25 Pcs
L010.CVT.16	Collar support (with screw and plug)	16 - 3/8"	100 Pcs
L010.CVT.22	Collar support (with screw and plug)	22 - 1/2"	100 Pcs
L010.CVT.26	Collar support (with screw and plug)	26 - 3/4"	100 Pcs
L010.CVT.33	Collar support (with screw and plug)	33 - 1"	50 Pcs
L010.CVT.42	Collar support (with screw and plug)	42 - 1" 1/4	50 Pcs
L010.CVT.46	Collar support (with screw and plug)	46 - 1" 1/2"	50 Pcs
L010.CVT.60	Collar support (with screw and plug)	60 - 2"	25 Pcs
L010.CVT.73	Collar support (with screw and plug)	73 - 2" 1/2	25 Pcs
L010.CVT.89	Collar support (with screw and plug)	89 - 3"	25 Pcs

DRAINPIPE COLLARS

Our collars are handcrafted with two different thicknesses to be used in the fastening of drainpipes and any other kind of pipe. They are available both with and without side nut and in different packagings. Produced with copper, pre-painted steel, galvanized steel and grest copper.

MATERIAL LEGEND	Material	Width mm	Package legend	Package
R	Copper	0,6	C1	1 collar
PV	Pre-painted Dark Brown RAL 8017	0,6	C2	2 collars
ZC	Galvanized	0,6	C5	5 collars
AR	"Grest Copper" Aluminium	0,6	C10	10 collars
AS	Pre-painted RAL 7037 with Antislip	0,8	C100	100 collars
R8	Copper	0,8		
PV8	Pre-painted Dark Brown RAL 8017	0,8		



ART. 11000 | DRAINPIPE COLLARS

Article	Description	Diameter mm	Material	Package	Box
11060	Drainpipe collars	60	R - PV - ZC - AR	C1 - C2 - C10 - C100	200 Pcs
11075	Drainpipe collars	75	R - PV - ZC	C2	100 Pcs
11080	Drainpipe collars	80	R - PV - ZC - AR - AS	C1 - C2 - C10 - C100	100 Pcs
11090	Drainpipe collars	90	R - PV - ZC	C2	100 Pcs
11100	Drainpipe collars	100	R - PV - ZC - AR - AS	C1 - C2 - C10 - C100	100 Pcs
11110	Drainpipe collars	110	R - PV - ZC	C1 - C2 - C10 - C100	100 Pcs
11120	Drainpipe collars	120	R - R8 - PV - PV8 - ZC AR - AS	C1 - C2 - C10 - C100	100 Pcs
11125	Drainpipe collars	125	R - PV - ZC	C2	100 Pcs

Art.11000



ART. 11000 Q | SQUARE DRAINPIPE COLLARS

Article	Description	Diameter mm	Material	Package	Box
11080 Q	Square drainpipe collars	80x80	R - PV - ZC - PV8	C1 - C2 - C10 - C100	100 Pcs
11100 Q	Square drainpipe collars	100x100	R - PV - ZC - PVB	C1 - C2 - C10 - C100	100 Pcs



Art. 11080Q



ART. 12080 FLUE COLLARS

Article	Description	Material	Thickness	Diameter mm	Package	Box
12080	For flues – side nut unpackaged	Galvanized steel	15/10	80	C2	100 Pcs
12095	For flues – side nut unpackaged	Galvanized steel	15/10	95	C2	100 Pcs
12100	For flues – side nut unpackaged	Galvanized steel	15/10	100	C2	100 Pcs
12110	For flues – side nut unpackaged	Galvanized steel	15/10	110	C2	100 Pcs
12115	For flues – side nut unpackaged	Galvanized steel	15/10	115	C2	100 Pcs
12120	For flues – side nut unpackaged	Galvanized steel	15/10	120	C2	100 Pcs
12125	For flues – side nut unpackaged	Galvanized steel	15/10	125	C2	100 Pcs
12130	For flues – side nut unpackaged	Galvanized steel	15/10	130	C2	100 Pcs
12140	For flues – side nut unpackaged	Galvanized steel	15/10	140	C2	100 Pcs
12145	For flues – side nut unpackaged	Galvanized steel	15/10	145	C2	50 Pcs
12150	For flues – side nut unpackaged	Galvanized steel	15/10	150	C2	50 Pcs
12160	For flues – side nut unpackaged	Galvanized steel	15/10	160	C2	50 Pcs
12165	For flues – side nut unpackaged	Galvanized steel	15/10	165	C2	50 Pcs
12180	For flues – side nut unpackaged	Galvanized steel	15/10	180	C2	50 Pcs
12200	For flues – side nut unpackaged	Galvanized steel	15/10	200	C2	50 Pcs
12220	For flues – side nut unpackaged	Galvanized steel	15/10	220	C2	50 Pcs
12230	For flues – side nut unpackaged	Galvanized steel	15/10	230	C2	50 Pcs
12250	For flues – side nut unpackaged	Galvanized steel	15/10	250	C2	50 Pcs
12280	For flues – side nut unpackaged	Galvanized steel	15/10	280	C2	50 Pcs
12300	For flues – side nut unpackaged	Galvanized steel	15/10	300	C2	50 Pcs

ART. 14000 PLUMBING COLLARS



Art. 14000

Article	Description	Material	Diameter mm	Thickness mm	Package	Box
14009	Pipe collar with side nut unpackaged	Galvanized steel	3/8"	2,5 x 20	C2	100 Pcs
14012	Pipe collar with side nut unpackaged	Galvanized steel	1/2"	2,5 x 20	C2	100 Pcs
14019	Pipe collar with side nut unpackaged	Galvanized steel	3/4"	2,5 x 20	C2	100 Pcs
14025	Pipe collar with side nut unpackaged	Galvanized steel	1"	2,5 x 20	C2	100 Pcs
14031	Pipe collar with side nut unpackaged	Galvanized steel	1 1/4"	2,5 x 20	C2	100 Pcs
14038	Pipe collar with side nut unpackaged	Galvanized steel	1 1/2"	2,5 x 20	C2	100 Pcs
14050	Pipe collar with side nut unpackaged	Galvanized steel	2"	2,5 x 20	C2	100 Pcs
14063	Pipe collar with side nut unpackaged	Galvanized steel	2 1/2"	2,5 x 20	C2	50 Pcs
14076	Pipe collar with side nut unpackaged	Galvanized steel	3"	2,5 x 20	C2	50 Pcs
14101	Pipe collar with side nut unpackaged	Galvanized steel	4"	2,5 x 20	C2	50 Pcs

ART. 503 RADIATOR HOOK

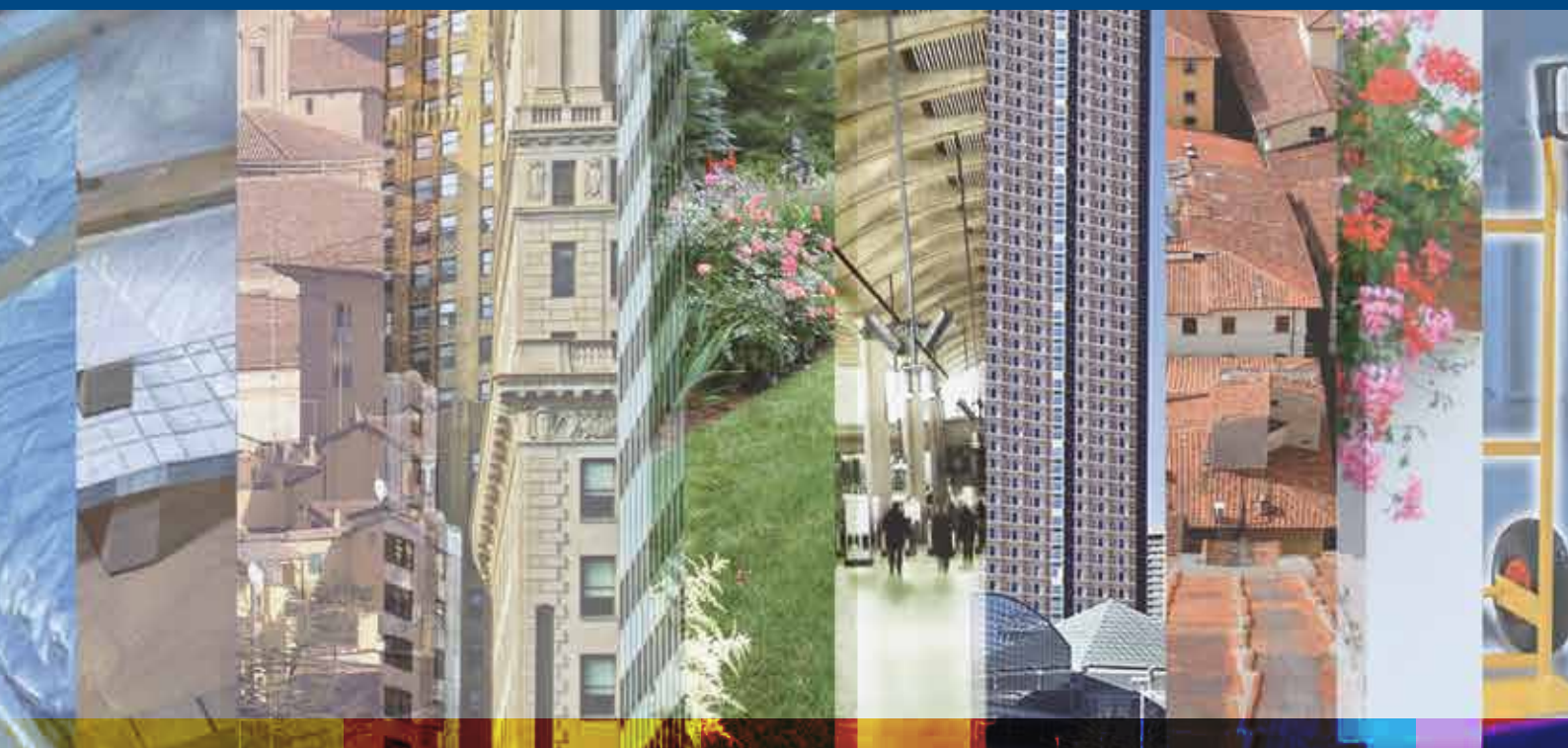
MADE OF ABS. ITS "S" SHAPE IS DESIGNED FOR THE HIGHEST MANAGEABILITY, RESISTANCE AND VERSATILITY ON MOST TYPES OF RADIATORS. COMFORTABLE AND PRACTICAL IN THE BATHROOM TO HANG TOWELS AND BATHROBES ON THE RADIATOR. COLOURS: WHITE, RED, YELLOW, BLUE, PINK AND TRANSPARENT.

Article	Description	Material	Package
503.B	White radiator hook	ABS	1 Pc
503.R	Red radiator hook	ABS	1 Pc
503.G	Yellow radiator hook	ABS	1 Pc
503.BL	Blue radiator hook	ABS	1 Pc
503.RS	Pink radiator hook	ABS	1 Pc
503.T	Transparent radiator hook	ABS	1 Pc



Art. 503





# Bettini

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