

antimicrobial ducts solution to be used
in environments which require high levels of hygiene



Requirements

- > highest air quality
- > absolute hygiene

Applications

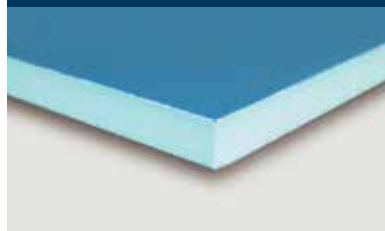
- > hospitals and operating rooms
- > clean rooms
- > pharmaceutical industry
- > food industries



P3ductal care
high hygiene applications duct[al] system

P3ductal care - duct solution with antimicrobial treatment for applications in places where a high level of hygiene is required

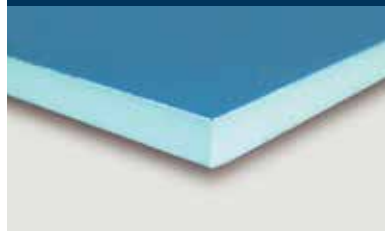
15HL21ABT - Piral HD Hydrotec Panel with antimicrobial treatment



Size of panel	4000x1200 mm
Thickness of panel • foam density	20,5 mm
Thickness of external/internal aluminium	80/80 µm
Finish of the aluminium	embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

The internal smooth aluminium coating and the antimicrobial treatment make this panel suitable for the construction of ducts at the service of rooms where a high degree of hygiene is required.

15HN21ABT - Piral HD Hydrotec Panel with antimicrobial treatment



Size of panel	4000x1200 mm
Thickness of panel • foam density	20,5 mm
Thickness of external/internal aluminium	80/200 µm
Finish of the aluminium	embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

The 200 mm thickness of the internal sheet guarantees maximum resistance to any possible damage which might be done while internal cleaning operations and maintenance work take place. This, together with the internal smooth aluminium coating and the antimicrobial treatment make this panel most suitable for the construction of ducts in places where high level of hygiene is required.

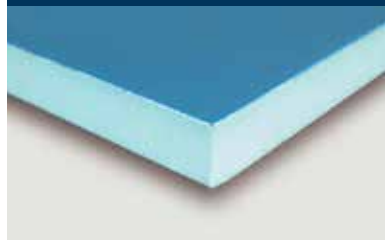
150L31ABT - Piral HD Hydrotec outsider Panel with antimicrobial treatment



Size of panel	4000x1200 mm
Thickness of panel • foam density	30,5 mm • 48 kg/m ³
Thickness of external/internal aluminium	200/80 µm
Finish of the aluminium	embossed/smooth
Antimicrobial treatment	with aluminium on the internal side

The 30,5 mm thickness of the foam and the 200 mm of the external aluminium impart to this panel special resistance to atmospheric agents and to shocks. This, together with the internal smooth aluminium coating and the antimicrobial treatment make this panel suitable for the construction of ducts to be fitted outdoors at the service of rooms where a high level of hygiene is required. It should be used in conjunction with the waterproofing sheath Gum Skin.

15HR31ABT - Piral HD Hydrotec outsider Panel with antimicrobial treatment



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21GS01 - Waterproofing Sheath Gum Skin



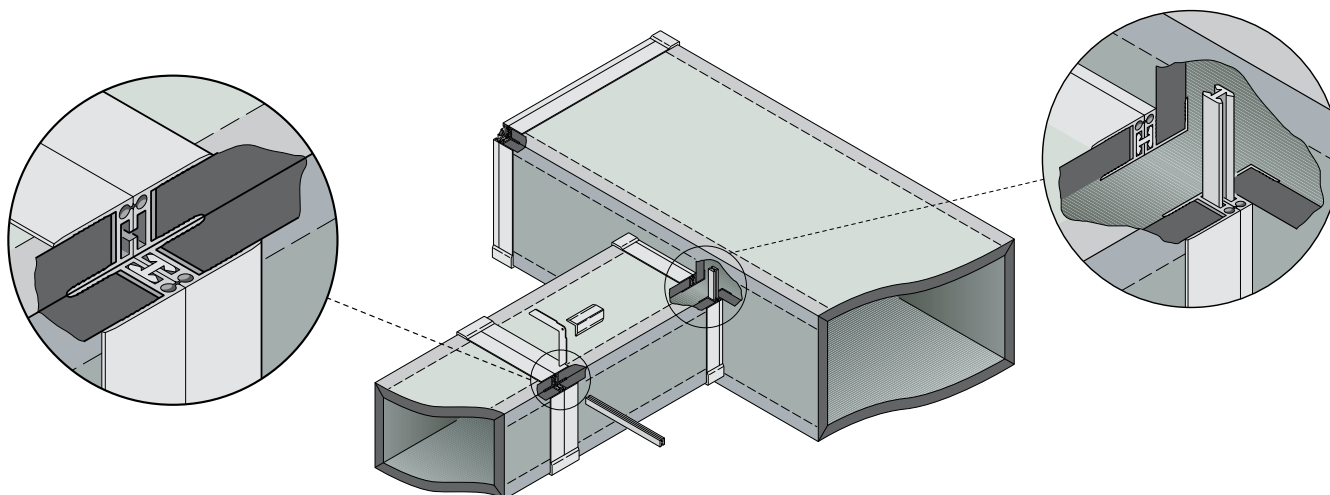
This waterproofing sheath is resistant to UV rays and to freezing and thawing cycles. The inner-action additives, fungicides, bactericides and plasticising agents cause the product to remain completely unaltered over time, even in conditions of average industrial pollution. Standard colour: grey; other colours available upon request. Packaging: 15-litre drum.

21GZ01 - Outdoor gauze



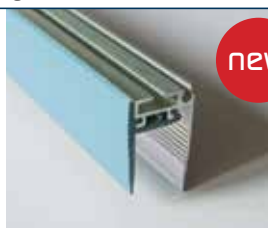
Reinforcement gauze to be applied in correspondence of the joining flanges for outdoor installations, together with Gum Skin waterproofing treatment.

I. invisible flange joint and tee connector



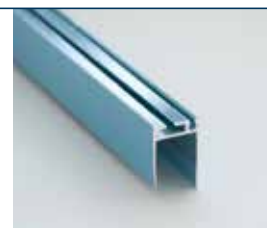
cod. 21FN42ABT - Thermal break invisible flange with antimicrobial tr. - 20 mm

Flange, 20 mm thick, composed by an internal thermal break pvc component and external aluminium component with antimicrobial treatment. The bars are supplied in 4 meter lengths.



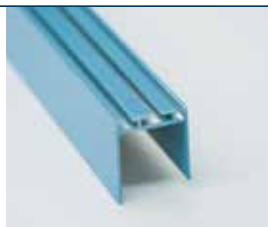
code 21FN01ABT - Invisible flange joint with antimicrobial tr. - al. 20 mm

This special patented aluminium flange with antimicrobial treatment permits 20 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter length.



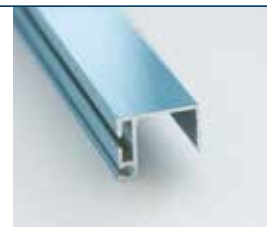
code 21FN06ABT - Invisible flange joint with antimicrobial tr. - al. 30 mm

This special patented aluminium flange with antimicrobial treatment permits 30 mm th. ducts to be joined with extremely low leakage. The bars are supplied in 4 meter length.



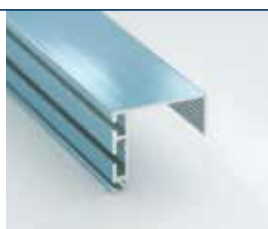
code 21FN03ABT - Tee connector flange joint 20 mm with antimicrobial

This patented flange, with antimicrobial treatment, permits the flanging of one duct into the side of another take-offs as tap-in or plenum chamber. The bars are supplied in 4 meter length.



code 21FN07ABT - Tee connector flange joint 30 mm with antimicrobial

This patented flange, with antimicrobial treatment, permits the flanging of one duct into the side of another take-offs as tap-in or plenum chamber. The bars are supplied in 4 meter length.



code 21FN04 - H polymer bayonet

Built in shock-resistant polymer, this piece permits "invisible flanges" to be connected. Supplied in 2 meter rods.



code 21SQ01/02 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



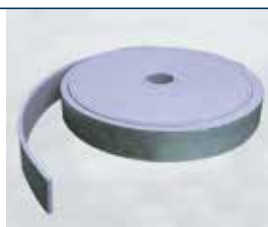
code 21FN05/08 - Covering angle 20/30 mm.

Grey polymer covering angle.



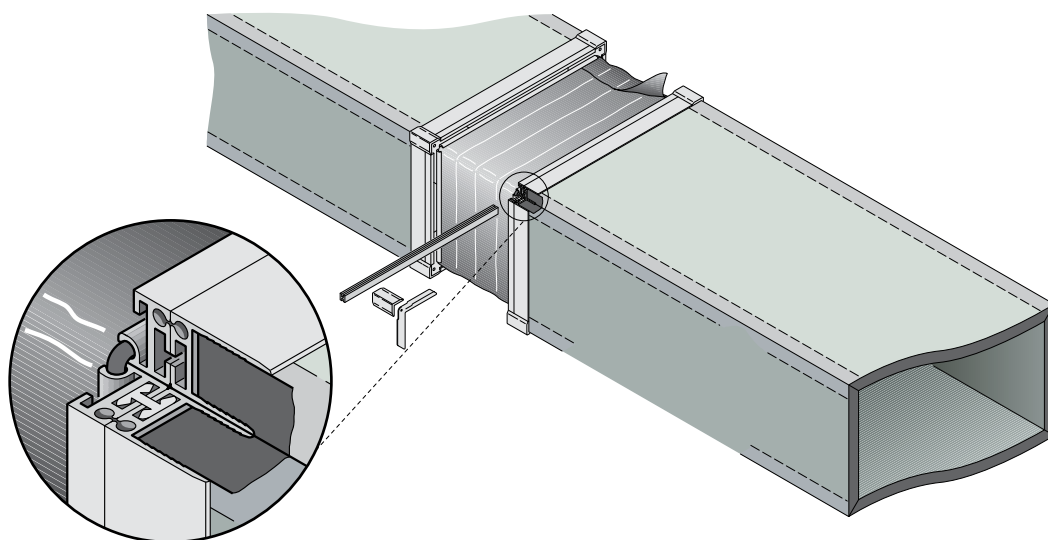
cod. 21FS03 - Thermal Insulating Tape for Joints

Anti-condensation strip for joints in closed-cell cross-linked polyethylene foam coupled on one side with embossed aluminium, width: 100 mm, length: 30 m, 12 mm thick.





2. anti-vibration joint



code 21GN05 - Anti vibration sheet 100 mm (25 m roll)

PVC-coated polyester sheet with rubberised edges for the creation of anti-vibration joints with a perfect seal in combination with the sheet support section bar.



code 21FN04 - H polymer bayonet

Built in shock-resistant polymer, this piece permits "invisible flanges" to be connected. Supplied in 2 meter rods.



cod. 21FN05 - Covering angle 20 mm

Grey polymer covering angle.



code 21GN04ABT - Section bar for anti-vibration sheet with antimicrobial tr.

This patented section bar permits to build anti-vibration joints in combination with anti-vibration sheet (21GN05) and the zinc-coated steel angle brackets (21SQ01). Built in aluminium with antimicrobial treatment.

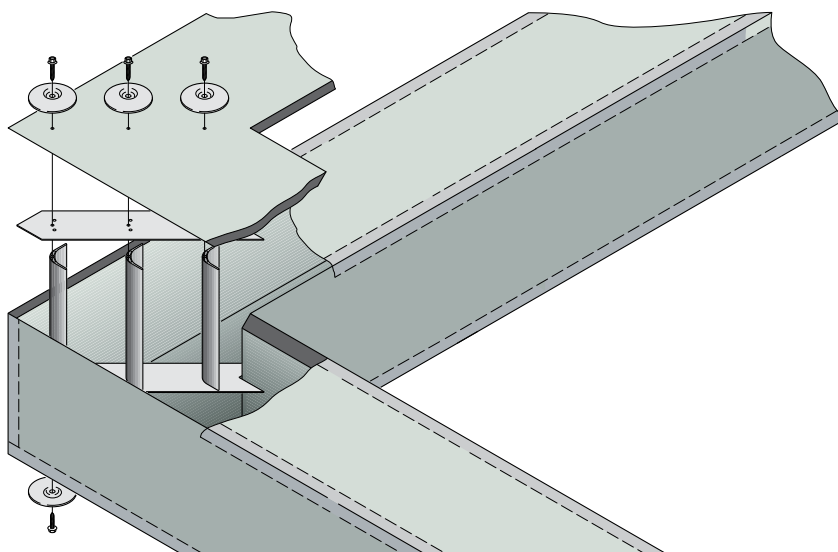


cod. 21SQ01 - Zinc-coated steel angle bracket 20 mm

1.5 mm thick zinc-coated steel angle bracket.

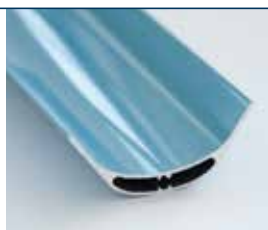


4. turning vanes



code 21CP03ABT - Turning vanes in aluminium with antimicrobial tr.

Turning vane in aluminium with antimicrobial treatment. To insert in special flat guide.



code 21CP04ABT - Turning vane fastening guide for with antimicrobial tr.

Pre-drilled antimicrobial aluminium strip for the correct positioning of wing-section turning vanes. Supplied in 2 meter rods.



code 21RF01ABT - Antimicrobial aluminium shaped disk

Aluminium disk with antimicrobial treatment to distribute the pressure created at the centre over a wider surface to prevent damage to the panel, disk diameter 100 mm, hole diameter 10 mm.



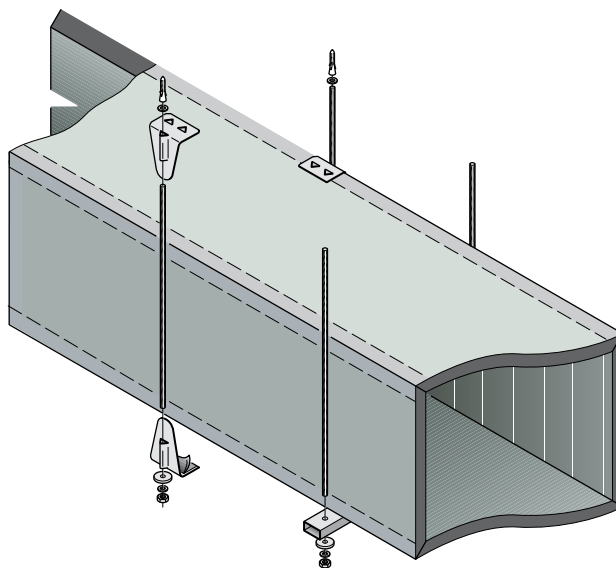
code 21RF03 - Zinc plated self threading screws 6,3 x 60 mm

Hexagon head self-threading screws with washer. Used to fasten reinforcement section bars, wing-profile turning vanes and splitters in elbows, etc.



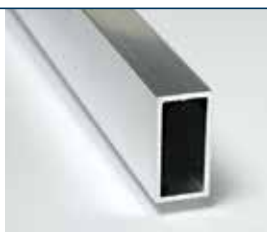


5. duct supports



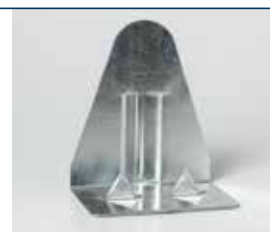
code 21PR05 - Saddle section bar - aluminium 20 mm

Rectangular aluminium tube built in natural aluminium and supplied in 4 meter rods.



code 21SS05 - Hooked hanger bracket

This 1.5 mm zinc-coated bracket is used for rapid duct support and hanging. These brackets are equipped with a slot for the insertion of the threaded bar.

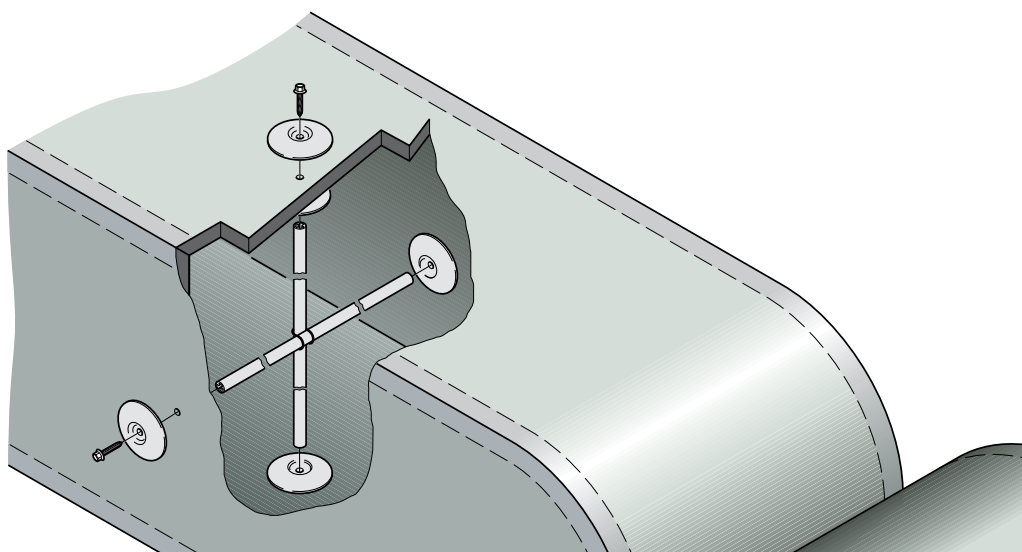


code 21SS01 - Self-adhesive bracket

This 1.5 mm zinc-coated bracket is used for rapid duct support and hanging. These brackets are equipped with a slot for the insertion of the threaded bar.



6. reinforcement



code 21RF01ABT - Antimicrobial aluminium shaped disk

Special high stiffness antimicrobial aluminium alloy reinforcement section bar. Bars are supplied in 4 meters rods.



Antimicrobial aluminium disk to distribute the pressure created at the centre over a wider surface to prevent damage to the panel. Disk diameter 100 mm, hole diameter 10 mm.



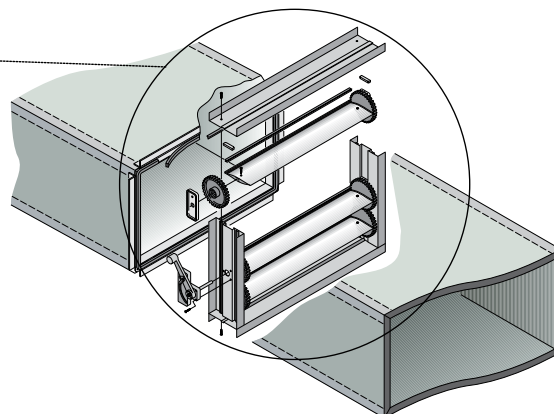
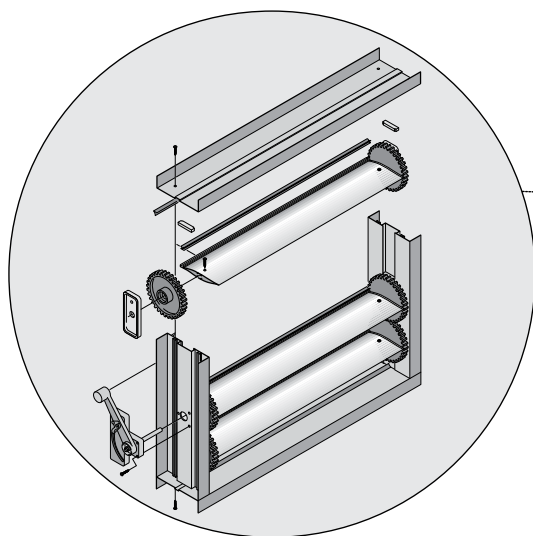
code 21RF03 - Zinc plated self threading screws 6,3 x 60 mm

Hexagon head self-threading screws with washer. Used to fasten reinforcement section bars, wing-profile turning vanes and splitters in elbows, etc.



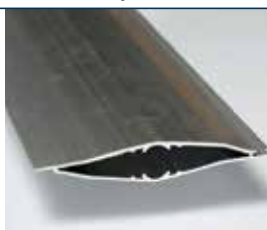


7. damper



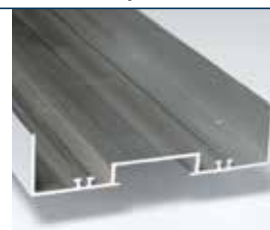
code 21SR01 - Double vane section bar for modular damper

Built in UNI 6060 aluminium alloy.
Supplied in 3 meter rods.



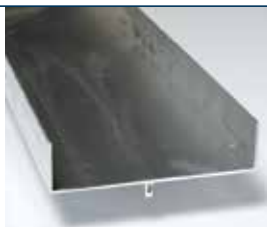
code 21SR02 - Omega vane section bar for modular damper

This section bar in natural UNI 6060 aluminium alloy is used to create the frame that houses the gears in volume dampers and is supplied in 3 meter rods.



code 21SR03 - "C" section bar for modular damper

This section bar in natural UNI 6060 aluminium alloy is used to create the frame in volume dampers and supplied in 3 meter rods.



code 21SR07 - Drive for modular damper

This drive is used for manufacturing volume dampers.



code 21SR04 - Gear



cod. 21SR06 - Gasket



code 21SR05 - Gear shims

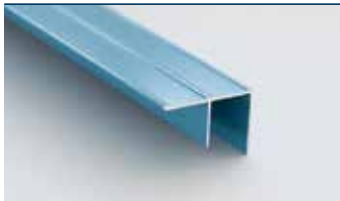


code 21SR08 - Screws for damper

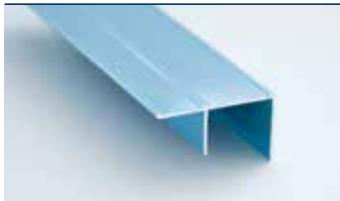


damper connection

code 21PR03ABT - "F" antimicr. section bar 20 mm



code 21PR07ABT - "F" antimicr. section bar 20 mm



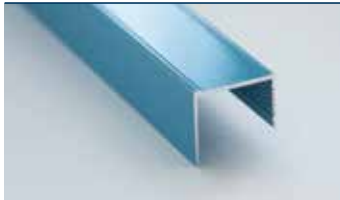
code 21SQ03/04 - Steel angle bracket - "F" bar 20/30 mm



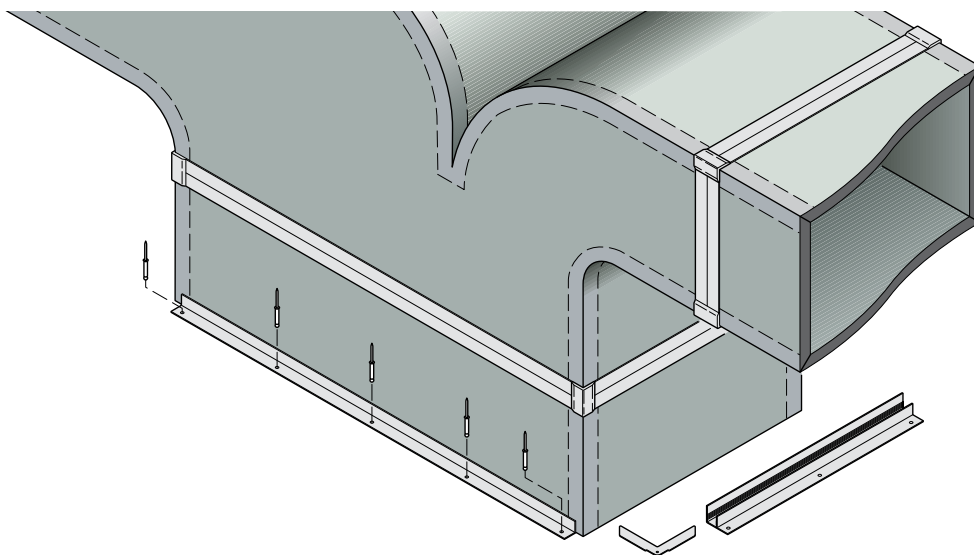
code 21PR01ABT - "U" antimicr. section bar 20 mm



code 21PRABT - "U" antimicr. section bar 20 mm



8. AHU connection



code 21PR03ABT - "F" antimicrobial aluminium section bar - 20 mm

It permits all accessories with fastening frames higher than 20 mm to be fastened to the ducts. Supplied in 4 meter rods with antimicrobial treatment.



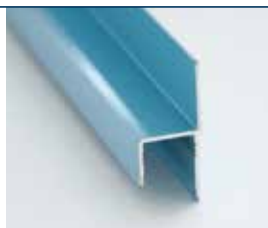
code 21SQ03/04 - Steel angle bracket for "F" bar 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



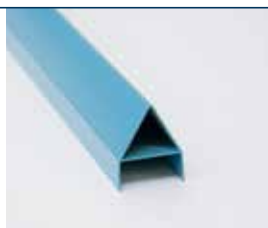
code 21PR02ABT - Antimicrobial aluminium chair section bar - 20 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods with antimicrobial treatment.



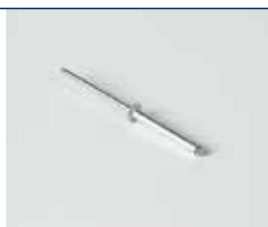
21PR34ABT - Antimicrobial aluminium deflector profile 20 mm

This section bar is used to apply deflectors to P3ductal ducts. It is supplied in 4 meters rods with antimicrobial treatment.



code 21RV01 - Special aluminium rivets 3,8 x 40 mm

The 30 mm length permits to create fastening to the panels through the section bars.



code 21PR07ABT - "F" antimicrobial aluminium section bar - 30 mm

It permits all accessories with fastening frames higher than 30 mm to be fastened to the ducts. Supplied in 4 meter rods with antimicrobial treatment.



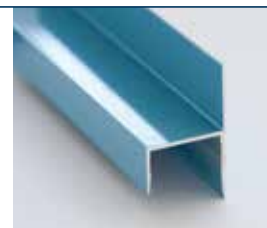
code 21SQ01/02 - Zinc-coated steel angle bracket 20/30 mm

1.5 mm thick zinc-coated steel angle bracket.



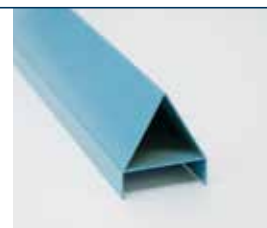
code 21PR15ABT - Antimicrobial aluminium chair section bar - 30 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods with antimicrobial treatment.



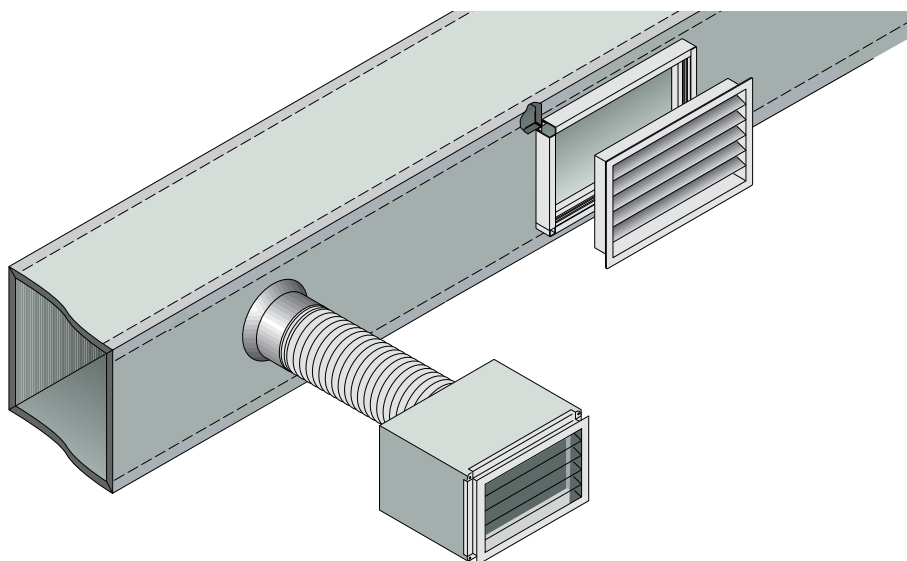
21PR35ABT - Antimicrobial aluminium deflector profile 30 mm

This section bar is used to apply deflectors to P3ductal ducts. It is supplied in 4 meters rods with antimicrobial treatment.





9. grilles



code 21PR04ABT - Antimicrobial aluminium grille section bar 20 mm

This section bar, finished with double frame, is built in aluminium with antimicrobial treatment and supplied in 4 meter rods.



cod. 21SQ01 - Zinc-coated steel angle bracket 20 mm

1.5 mm thick zinc-coated steel angle bracket.



cod. 21FGxxABT - Insulated flexible ducts with antimicrobial treatment

Insulated flexible ducts with (al-al) with antimicrobial treatment

cod. 21FG10ABT - \varnothing 102 mm
cod. 21FG15ABT - \varnothing 152 mm
cod. 21FG20ABT - \varnothing 203 mm
cod. 21FG25ABT - \varnothing 254 mm
cod. 21FG30ABT - \varnothing 304 mm



cod. 21FHxxABT - Flexible ducts with antimicrobial treatment

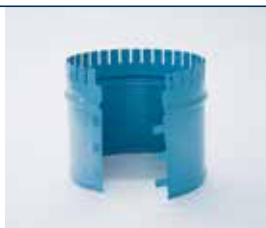
Flexible ducts with (al-al) with antimicrobial treatment

cod. 21FH10ABT - \varnothing 102 mm
cod. 21FH15ABT - \varnothing 152 mm
cod. 21FH20ABT - \varnothing 203 mm
cod. 21FH25ABT - \varnothing 254 mm
cod. 21FH30ABT - \varnothing 304 mm



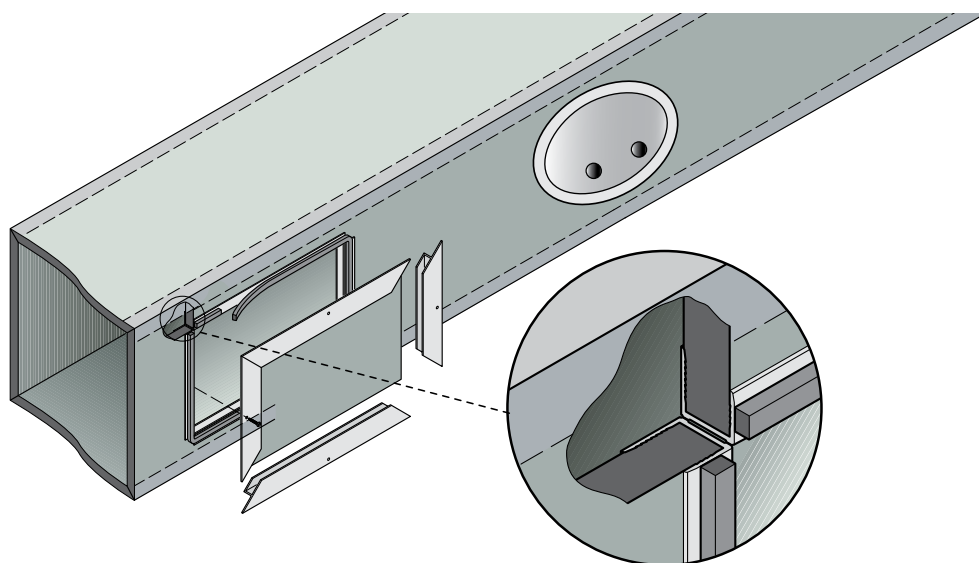
code 21CRxxABT - Antimicrobial aluminium tap-in collars

cod. 21CR10ABT - Collars \varnothing 100 mm.
cod. 21CR12ABT - Collars \varnothing 120 mm.
cod. 21CR15ABT - Collars \varnothing 150 mm.
cod. 21CR16ABT - Collars \varnothing 160 mm.
cod. 21CR20ABT - Collars \varnothing 200 mm.
cod. 21CR25ABT - Collars \varnothing 250 mm.
cod. 21CR30ABT - Collars \varnothing 300 mm.
cod. 21CR35ABT - Collars \varnothing 350 mm.



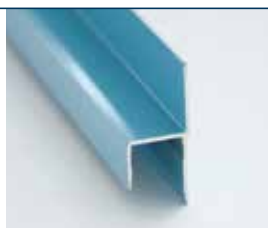
Flexible ducts accessories

21FS01 Duct clamp
21FS02 Tilting head for 21FS01



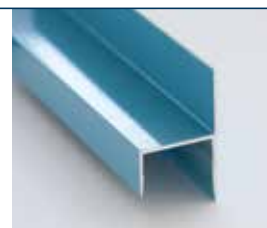
code 21PR02ABT - Antimicrobial aluminium chair section bar - 20 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods with antimicrobial treatment.



code 21PR15ABT - Antimicrobial aluminium chair section bar - 30 mm

Used to fasten ducts to air handling units and in the assembly of linear diffusers. This section bar is supplied in 4 meter rods with antimicrobial treatment.



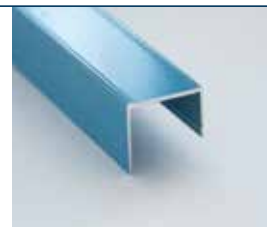
code 21PR01ABT - Antimicrobial aluminium "U" section bar 20 mm

Extremely versatile aluminium section for fastening of anti-vibration joints, volume dampers, and connection to sheet metal ducts. This section bar is supplied in 4 meter rods with antimicrobial treatment.



code 21PR14ABT - Antimicrobial aluminium "U" section bar 30 mm

Extremely versatile aluminium section for fastening of anti-vibration joints, volume dampers, and connection to sheet metal ducts. This section bar is supplied in 4 meter rods with antimicrobial treatment.



code 21PI01 - Access door

Built in fire resistant plastic material
Use for a easy access into the duct without changing duct performance.



code 21GR01 - Self adhesive duct gaskets

Light grey, self-adhesive polyurethane foam gasket. Indicated for the reduction of air leakage. Width: 15 mm; thickness: 10 mm.



