

STYLE

smart

railing®
fontanot

FONTANOT
BRINGS OUT A LINE
OF RAILINGS FOR
“DO-IT-YOURSELF”
ENTHUSIASTS.

Do you want to create a railing to fit your home according to your tastes and needs?

Fontanot produces railings that differ in design, materials, treatments and technical solutions. The components with special functions, once assembled, allow constructing railings for masonry stairs as well as balustrades for mezzanines, balconies, terraces or walkways that require a safety railing. The components are easy to assemble, no special tools are required and no parts need to be welded.

All the railings are designed by the Fontanot Research Centre for industrial production with the guarantee of excellent quality standards.

The carefully selected materials and treatments meet the application requirements in terms of robustness and durability and are diversified by product lines.

Every detail has been designed in compliance with the regulations in force regarding safety and environmental compatibility in order to guarantee an excellent end result that will satisfy the needs of a demanding clientele watchful of real discernible quality.



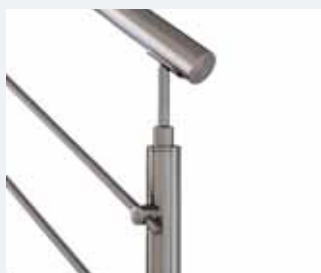
INOX22

4



INOX21

12



INOX20WIRE

22



INOX20SCREEN

30



Steel30

38



Steel10

50



NIK

58



LAN

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INOX22



INOX22 The INOX22 railings are entirely made of AISI 316 stainless steel with a polished finish. AISI 316 steel is particularly resistant to atmospheric pollution and to the chlorides typical of marine environments. That is why the INOX22 railings are ideal for use in atmospherically aggressive outdoor environments. The square-section balusters are joined to each other with panels in glass or another material with a variable thickness between 8 and 10 mm. The balusters come with fixings to fit the panels and can be installed directly on the floor or to the side of the floor; they should hence be selected based on where they will be positioned. There are two baluster sizes: a short one (96 cm) for installation on the floor or a taller one (114,5 cm) for installation on the side. The kits contain the fixings to join them to the handrail with the relative rivets. The balusters to be fastened on the floor also come with plate covers. The handrail comes in 150 or 200 cm modules and can be joined directly to the balusters or a sleeve-shaped fixing can be used. The individual handrail segments can be joined with 3 different types of joint. The handrail can be fastened to the wall with a choice of two types of support.

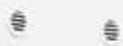
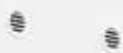




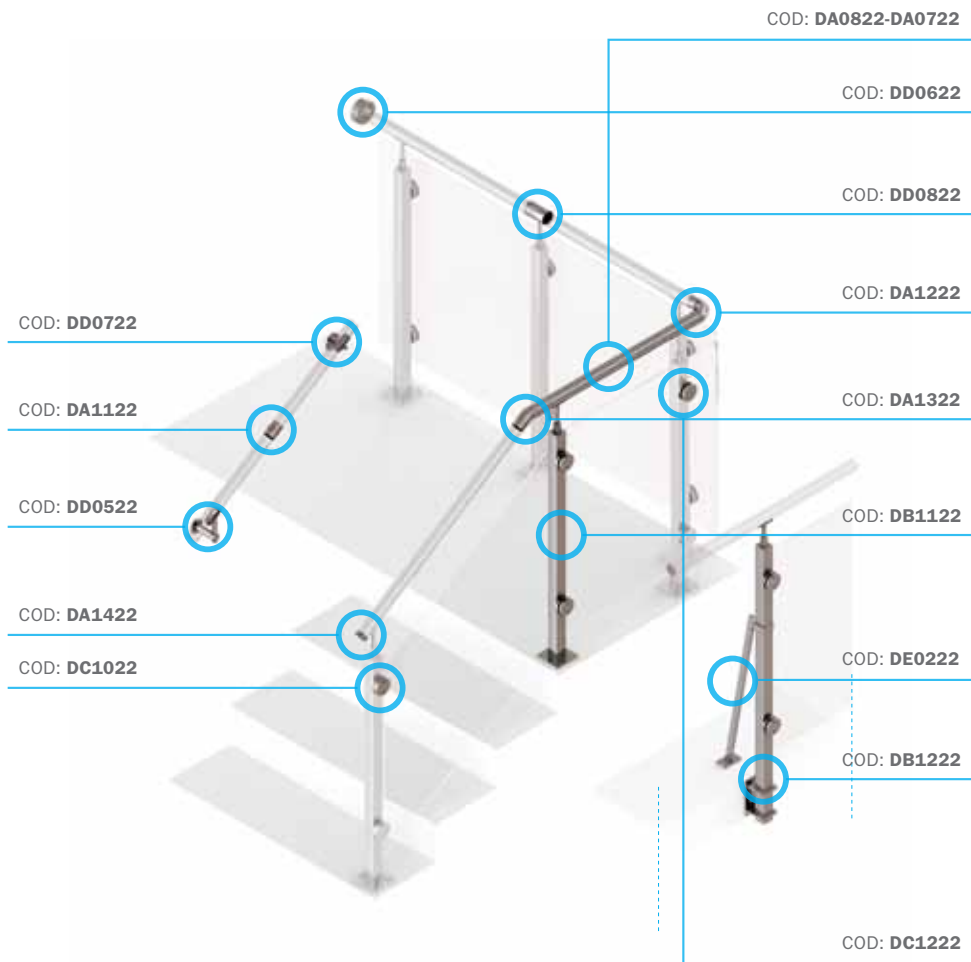
INOX22







INOX22



Railings with panels must be installed in two stages.
Take the measurements for the panels only after
having installed all the steel components.
Buy what you need from a specialised supplier.

INOX22

INOX22 Stainless steel railing with a polished finish characterised by square-section balusters joined to each other with panels in glass or another material (not provided). AISI 316 steel is particularly resistant to atmospheric pollution and to the chlorides typical of marine environments. That is why the INOX22 railings are ideal for use in atmospherically aggressive outdoor environments.



DB1222

Baluster to be fastened to the side of the floor

H 114.5 cm
40 x 40 x 1.75 mm
Complete with side fixing, handrail fixing and rivets.
Baluster 33 mm away from the fastening wall.



DB1122

Baluster to be fastened on the floor

H 96 cm
40 x 40 x 1.75 mm
Complete with floor fixing, handrail fixing and rivets.
and plate cover



DA0822

Handrail
42.4 Ø x 1.45 mm
L 150 cm



DA0722

Handrail
42.4 Ø x 1.45 mm
L 200 cm



DA1122

Handrail joint
42.4 Ø x 1.45 mm
Allows joining two handrail segments in a straight line.
Complete with 2 rivets.



DA1222

Adjustable elbow
42.4 Ø x 1.45 mm
Elbow adjustable from 90° to 180° on different planes.
Complete with 2 rivets.



DA1322

Adjustable handrail joint
42.4 Ø x 1.45 mm
Joint adjustable from 90° to 180° on the same plane.
Complete with 2 rivets.



DA1422

Handrail end cap
42.4 Ø x 1.45 mm
Complete with 1 rivet.



DD0522

Adjustable wall fixing
42.4 mm Ø
For DA0722 and DA0822 handrails.
Complete with 2 rivets and 3 expansion plugs.



DD0722

Wall fixing
42.4 mm Ø
For DA0722 and DA0822 handrails.
Complete with 2 rivets and 3 expansion plugs.



DD0822

Handrail ring fixing
42.4 mm Ø
Optional fixing to join the handrail to the baluster without drilling the handrail.



DD0622

Wall flange
42.4 mm Ø
Complete with 3 expansion plugs.



DC1122

Panel holder cap

Steel cap for couplings
DC1022 on the end baluster
of the railing.
Kit: 2 pieces.



DC1022

Panel holder

For 8-10 mm thick panels
Coupling for two separate
panels.
Kit: 2 pieces.



DC1222

Round panel clamp

For 8-10 mm thick panels
Clamp for single-piece
through panel.
Kit: 2 pieces.



DE0222

Reinforcement baluster

To double the strength of the
balusters DB1222 and DB1122.
To be installed on the floor.
Complete with plate cover.



DD0900

Expansion plug

Galvanised steel and M8 screw
in A4 stainless steel
12 mm Ø hole
To fasten DB1222
or DB1122 baluster.
Kit: 6 pieces.



DD1200

Screw

8 mm Ø, L 50 mm,
10.9 cl galvanised white.
To fasten DB1222
or DB1122 to wood.
Kit: 6 pieces.



DD1000

Special glue for stainless steel

10 ml



INOX21



INOX21 The INOX21 railings are entirely made of AISI 304 stainless steel with a polished finish. They are characterised by circular-section balusters joined to each other with panels in glass or another material with a variable thickness between 8 and 10 mm.

The balusters come with fixings to fit the panels and can be installed directly on the floor or to the side of the floor; they should hence be selected based on where they will be positioned.

There are two baluster sizes: a short one (96 cm) for installation on the floor and a taller one (114,5 cm) for installation on the side.

The baluster kits contain the fixings to join them to the steel handrail with the relative rivets. The balusters to be fastened on the floor also come with plate covers.

The steel handrail comes in 150 or 200cm modules, while the wooden handrail is available in four finishes and comes in 200 cm modules.

All the handrails can be joined to the balusters directly or using a sleeve-shaped fixing and to the wall choosing from two types of support. The individual handrail segments can be joined with 3 different types of joint.





INOX21



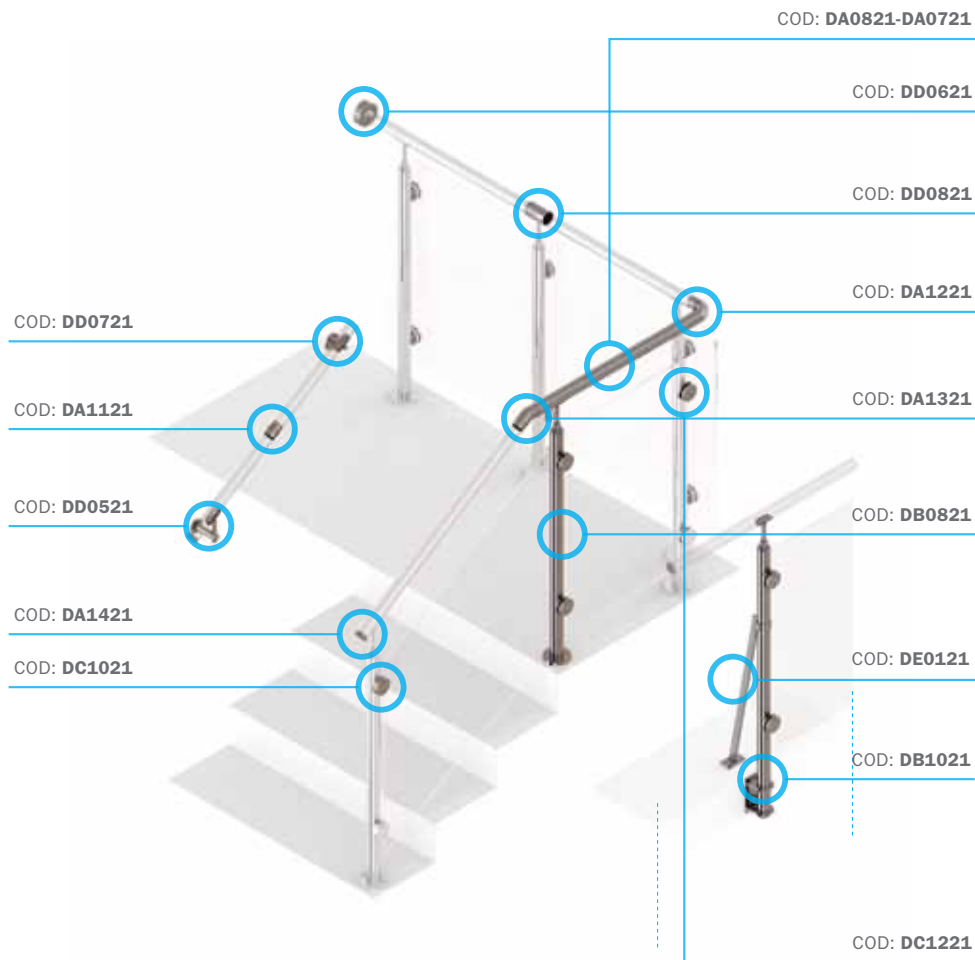


INOX21



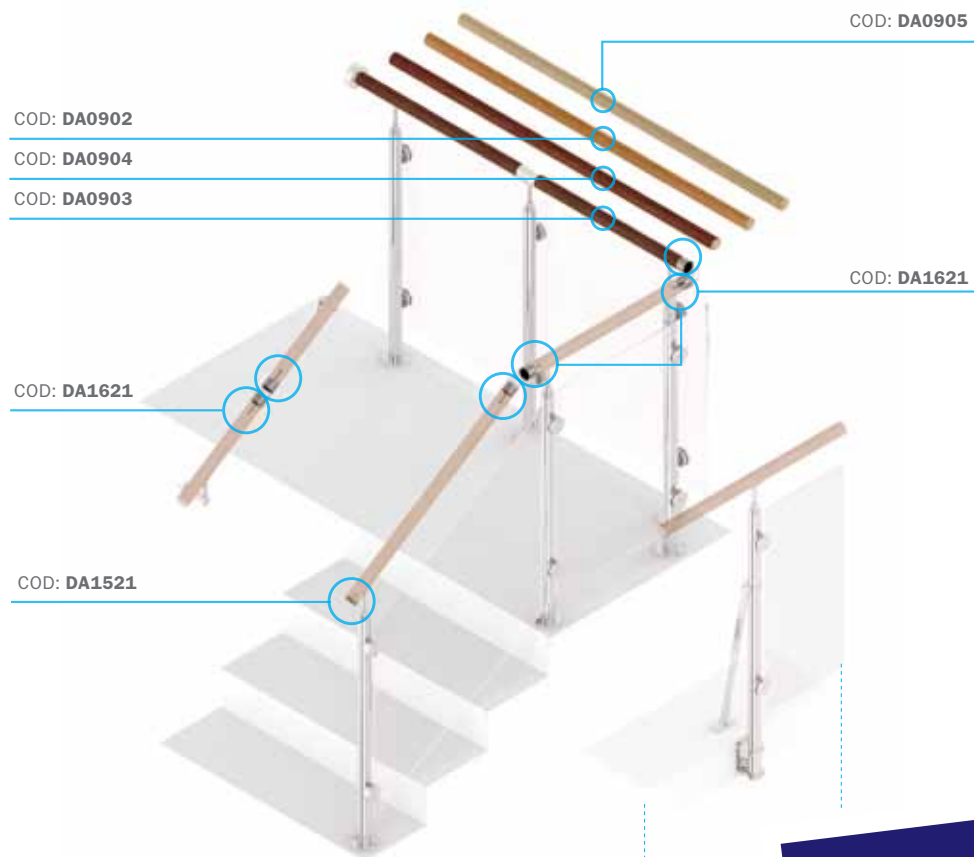


INOX21



Railings with panels must be installed in two stages.
Take the measurements for the panels only after having
installed all the steel components.
Buy what you need from a specialised supplier.

INOX21_a solid wood handrail is also available in four finishes.



INOX21

INOX21_Stainless steel railing with polished finish characterised by circular-section balusters joined to each other with panels in glass or another material (not provided).



DB1021

Baluster to be fastened to the side of the floor

H 114.5 cm - 42.4 Ø x 1.75 mm
With side fixing and handrail fixing
For steel handrails 2 rivets are provided; for wooden handrails use commercial screws. Baluster 33mm away from the fastening wall.



DA0902

Wooden handrail

42.4 mm Ø
L 200 cm
Ako light walnut.



DB0821

Baluster to be fastened on the floor

H 96 cm - 42.4 Ø x 1.75 mm
With floor fixing, handrail fixing and plate cover.
For steel handrails 2 rivets are provided; for wooden handrails use commercial screws.



DA0903

Wooden handrail

42.4 mm Ø
L 200 cm
Ako dark walnut.



DA0821

Handrail

42.4 Ø x 1.45 mm
L 150 cm



DA0904

Wooden handrail

42.4 mm Ø
L 200 cm
Ako cherry.



DA0721

Handrail

42.4 Ø x 1.45 mm
L 200 cm



DA0905

Wooden handrail

42.4 mm Ø
L 200 cm
Ako without coating.



DA1121

Handrail joint

42.4 Ø x 1.45 mm
Allows joining two handrail segments in a straight line.
Complete with 2 rivets.



DA1621

Wooden handrail joint

42.4 mm Ø
Allows using the items DA1121, DA1221 and DA1321 with wooden handrails.
Complete with 2 wood screws.
Kit: 2 pieces.



DA1221

Adjustable elbow

42.4 Ø x 1.45 mm
Elbow adjustable from 90° to 180° on different planes.
Complete with 2 rivets.



DA1321

Adjustable handrail joint

42.4 Ø x 1.45 mm
Joint adjustable from 90° to 180° on the same plane.
Complete with 2 rivets.



DA1421

Handrail end cap

42.4 Ø x 1.45 mm
For steel handrails.
Complete with 1 rivet.



DA1521

Wooden handrail end cap

42.4 mm Ø
For wooden handrails.
Complete with 1 bush.
for wood and 1 M6 screw.



DD0521

Adjustable wall fixing

42.4 mm Ø
Complete with 3 expansion plugs.
For steel handrails 2 rivets are
provided; for wooden handrails
use commercial screws.



DD0721

Wall fixing

42.4 mm Ø
Complete with 3 expansion
plugs. For steel handrails
2 rivets are provided; for
wooden handrails use
commercial screws.



DD0821

Ring handrail fixing

42.4 mm Ø
Optional fixing to join the
handrail to the baluster
without drilling the handrail.
For wooden handrails use
2 commercial M6 dowels.



DD0621

Wall flange

42.4 mm Ø
Complete with 3 expansion
plugs. For wooden handrails
use 1 screw or 1 commercial
M6 dowel.



DC1121

Panel holder

Steel cap for couplings
DC1021 on the end baluster
of the railing.
Kit: 2 pieces.



DC1021

Panel holder

For 8-10 mm thick panels
Coupling for two separate
panels.
Kit: 2 pieces.



DC1221

Round panel clamp

For 8-10 mm thick panels
Clamp for single-piece
through panel.
Kit: 2 pieces.



DE0121

Reinforcement baluster

To double the strength
of the balusters DB1021 and
DB0821.
To be installed on the floor.
Complete with plate cover.



DD0900

Expansion plug

Galvanised steel and M8 screw
in A4 stainless steel
12 mm Ø hole
To fasten the baluster DB1021
or DB0821.
Kit: 6 pieces



DD1200

Screw

8 mm Ø, L 50 mm,
10.9 cl galvanised white.
To fasten the baluster DB1021
or DB0821 to wood.
Kit: 6 pieces



DD1000

Special glue for stainless steel

10 ml



INOX20WIRE



INOX20WIRE The INOX20WIRE railings are entirely made of AISI 304 stainless steel with a satin finish. They are characterised by circular-section balusters joined to each other with 5 parallel tubes. The balusters come complete with 5 tube feedthrough fixings and can be installed directly on the floor or to the side of the floor; they should hence be selected based on where they will be positioned. There are two baluster sizes: a short one (96 cm) for installation on the floor and a taller one (114.5 cm) for installation on the side. The baluster kits contain the fixings to join them to the steel handrail with the relative rivets. The balusters to be fastened on the floor also come with plate covers. The steel handrail comes in 150 or 200cm modules, while the wooden handrail is available in four finishes and comes in 200 cm modules. All the handrails can be joined to the balusters directly or using a sleeve-shaped fixing and to the wall choosing from two types of support. The individual handrail segments can be joined with 3 different types of joint. A shockproof Plexiglas protection panel is available to prevent children from climbing up the railing.



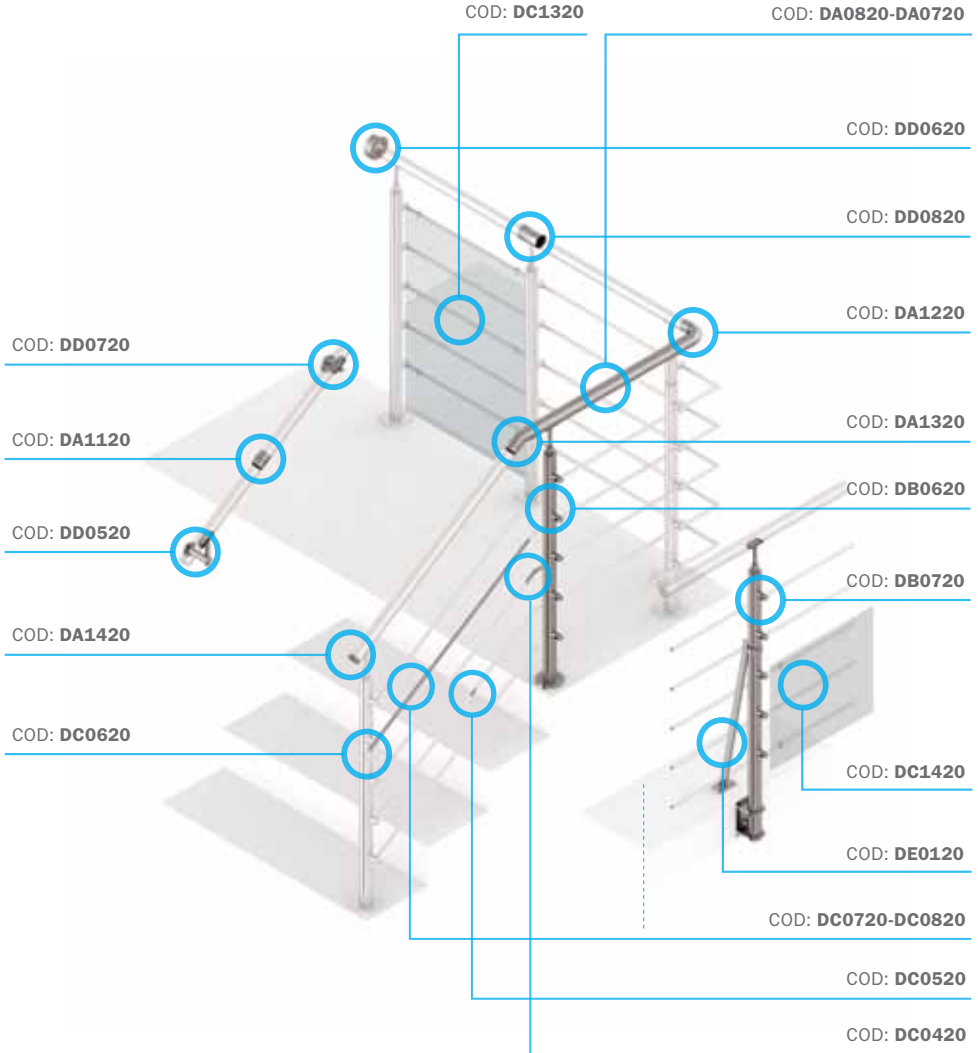


INOX20WIRE

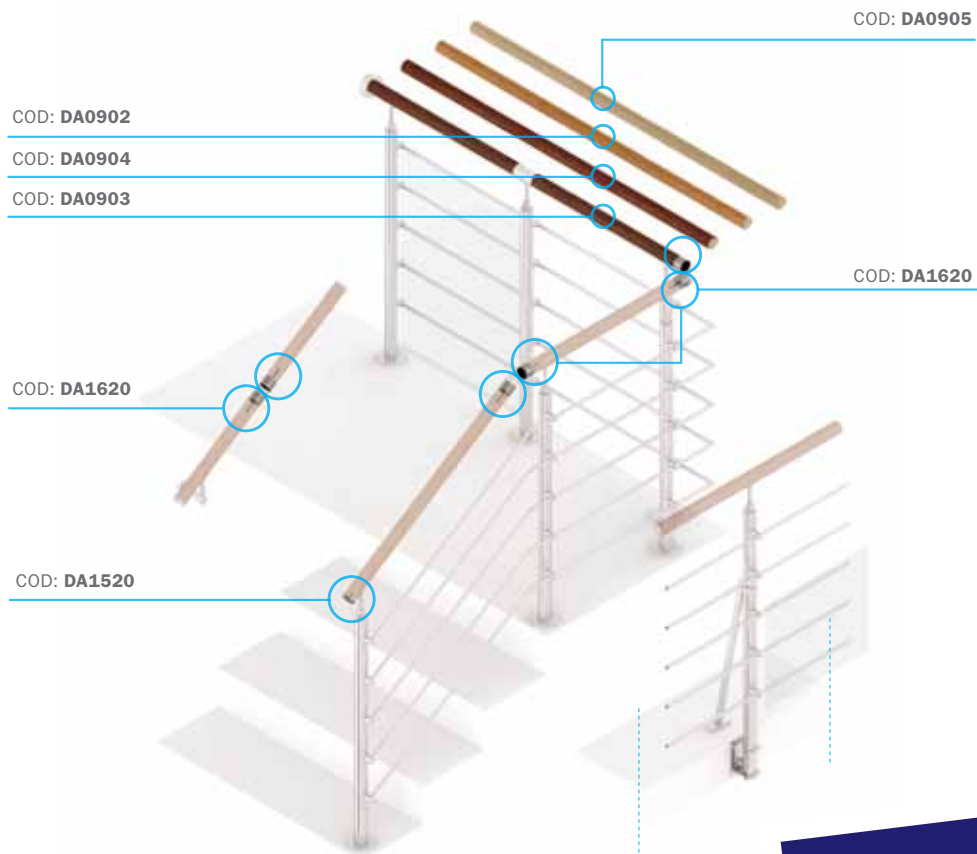




INOX20WIRE



INOX20WIRE_a solid wood handrail is also available in four finishes.



INOX20WIRE

INOX20WIRE_Stainless steel railing with satin finish characterised by circular-section balusters joined to each other with parallel tubes.



DB0720

Baluster to be fastened to the side of the floor

H 114,5 cm - 42,4 Ø x 1,75 mm
With side fixing, tube feedthrough fixings and handrail fixing. For steel handrails 2 rivets are provided; for wooden handrails use commercial screws. Baluster 33 mm away from the fastening wall.



DB0620

Baluster to be fastened on the floor

H 96 cm - 42,4 Ø x 1,75 mm
With floor fixing, tube feedthrough fixings, handrail fixing and plate cover. For steel handrails 2 rivets are provided; for wooden handrails use commercial screws.



DA0820

Handrail
42,4 Ø x 1,45 mm
L 150 cm



DA0720

Handrail
42,4 Ø x 1,45 mm
L 200 cm



DC0820

Tube
12 Ø x 1 mm
L 150 cm
Kit: 5 pieces.



DC0720

Tube
12 Ø x 1 mm
L 200 cm
Kit: 5 pieces.



DA0902

Wooden handrail
42,4 mm Ø
L 200 cm
Ako light walnut.



DA0903

Wooden handrail
42,4 mm Ø
L 200 cm
Ako dark walnut.



DA0904

Wooden handrail
42,4 mm Ø
L 200 cm
Ako cherry.



DA0905

Wooden handrail
42,4 mm Ø
L 200 cm
Ako without coating.



DA1120

Handrail joint
42,4 Ø x 1,45 mm
Allows joining two handrail segments in a straight line.
Complete with 2 rivets.



DA1620

Wooden handrail joint
42,4 mm Ø
Allows using the items DA1120, DA1220 and DA1320 with wooden handrails.
Complete with 2 wood screws.
Kit: 2 pieces.



DA1220

Adjustable elbow

42.4 Ø x 1.45 mm

Elbow adjustable from 90° to 180° on different planes.

Complete with 2 rivets.



DA1320

Adjustable handrail joint

42.4 Ø x 1.45 mm

Joint adjustable from 90° to 180° on the same plane.

Complete with 2 rivets.



DA1420

Handrail end cap

42.4 Ø x 1.45 mm

For steel handrails.

Complete with 1 rivet.



DA1520

Wooden handrail end cap

42.4 mm Ø

For wooden handrails.

Complete with 1 bush.

for wood and 1 M6 screw.



DD0520

Adjustable wall fixing

42.4 mm Ø

Complete with 3 expansion plugs.

For steel handrails 2 rivets are

provided; for wooden handrails

use commercial screws.



DD0720

Wall fixing

42.4 mm Ø

Complete with 3 expansion

plugs. For steel handrails

2 rivets are provided; for wooden

handrails use commercial

screws.



DD0820

Ring handrail fixing

42.4 mm Ø

Optional fixing to join the

handrail to the baluster without

drilling the handrail.

For wooden handrails use

2 commercial M6 dowels.



DD0620

Wall flange

42.4 mm Ø

Complete with 3 expansion

plugs. For wooden handrails

use 1 screw or 1 commercial

M6 dowel.



DC0620

Cap

for 12 Ø x 1 mm tube

Kit: 5 pieces.



DC0420

Adjustable joint

12 mm Ø

Allows joining two 12 Ø x 1 mm

tube segments with an angle

from 90° to 180°.

Kit: 5 pieces.



DC0520

Joint

12 mm Ø

Allows joining two

12 Ø x 1 mm tube segments in

a straight line.

Kit: 5 pieces.



DC1320

PMMA protection panel

920 x 780 x 3 mm

Shockproof transparent

Plexiglas panel also useable

outdoors and adaptable to

various sizes. Complete with

9 fixings and 18 self-threading

screws.



DC1420

PMMA protection panel

920 x 395 x 3 mm

Shockproof transparent

Plexiglas panel also useable

outdoors and adaptable to

various sizes.

Complete with 4 fixings

and 8 self-threading screws.



DE0120

Reinforcement baluster

To double the strength of the

balusters DB0720 and DB0620.

To be installed on the floor.

Complete with plate cover.



DD0900

DD1200

DD0900 Expansion plug

Galvanised steel and M8 screw in

A4 stainless steel - 12 mm Ø hole

To fasten the baluster DB0720

or DB0620. Kit: 6 pieces.

DD1200 Screw

8 mm Ø, L 50 mm, cl 10.9

galvanised white. To fasten the

baluster DB0720 or DB0620

to wood. Kit: 6 pieces.



DD1000

Special glue for stainless steel

10 ml

INOX20SCREEN



INOX20SCREEN The INOX20SCREEN railings are entirely made of AISI 304 stainless steel with a satin finish. They are characterised by circular-section balusters joined to each other with panels in glass or another material with a variable thickness between 8 and 10 mm. The balusters come with fixings to fit the panels and can be installed directly on the floor or to the side of the floor; they should hence be selected based on where they will be positioned.

There are two baluster sizes: a short one (96 cm) for installation on the floor and a taller one (114,5 cm) for installation on the side. The baluster kits contain the fixings to join them to the steel handrail with the relative rivets.

The balusters to be fastened on the floor also come with plate covers. The steel handrail comes in 150 or 200 cm modules, while the wooden handrail is available in four finishes and comes in 200 cm modules. All the handrails can be joined to the balusters directly or using a sleeve-shaped fixing and to the wall choosing from two types of support. The individual handrail segments can be joined with 3 different types of joint.



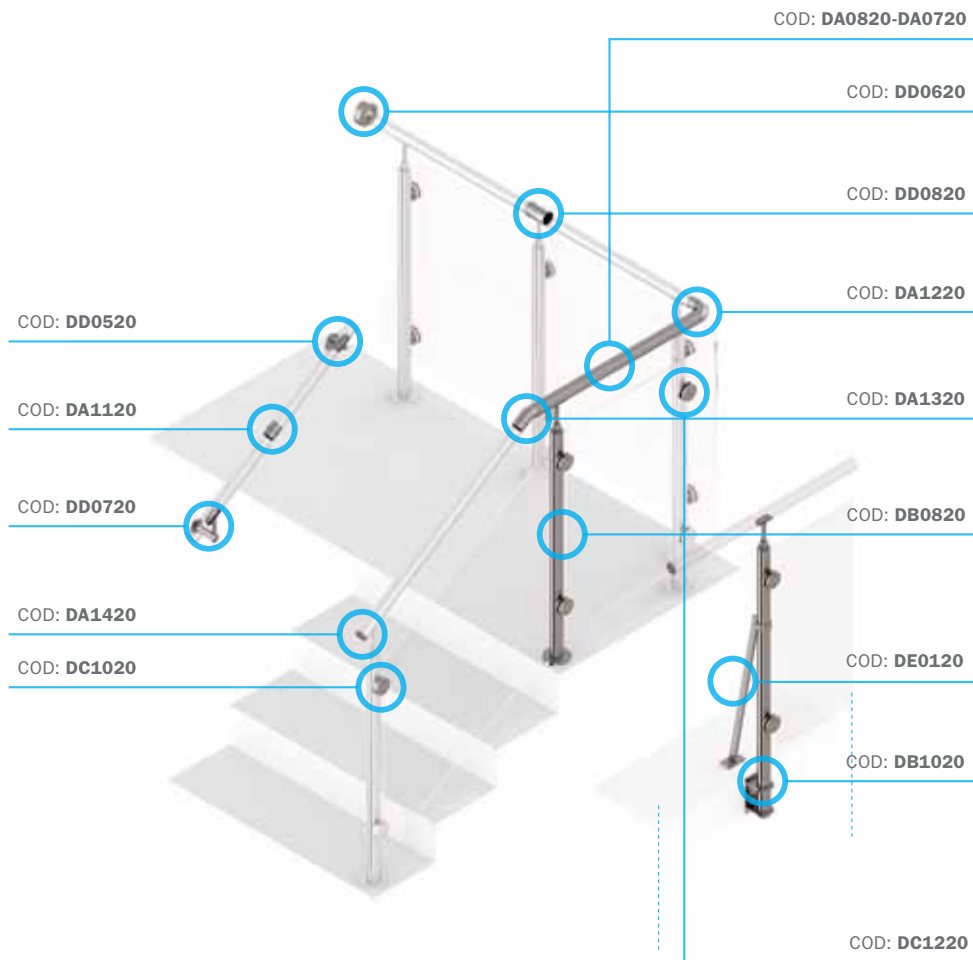


INOX20SCREEN



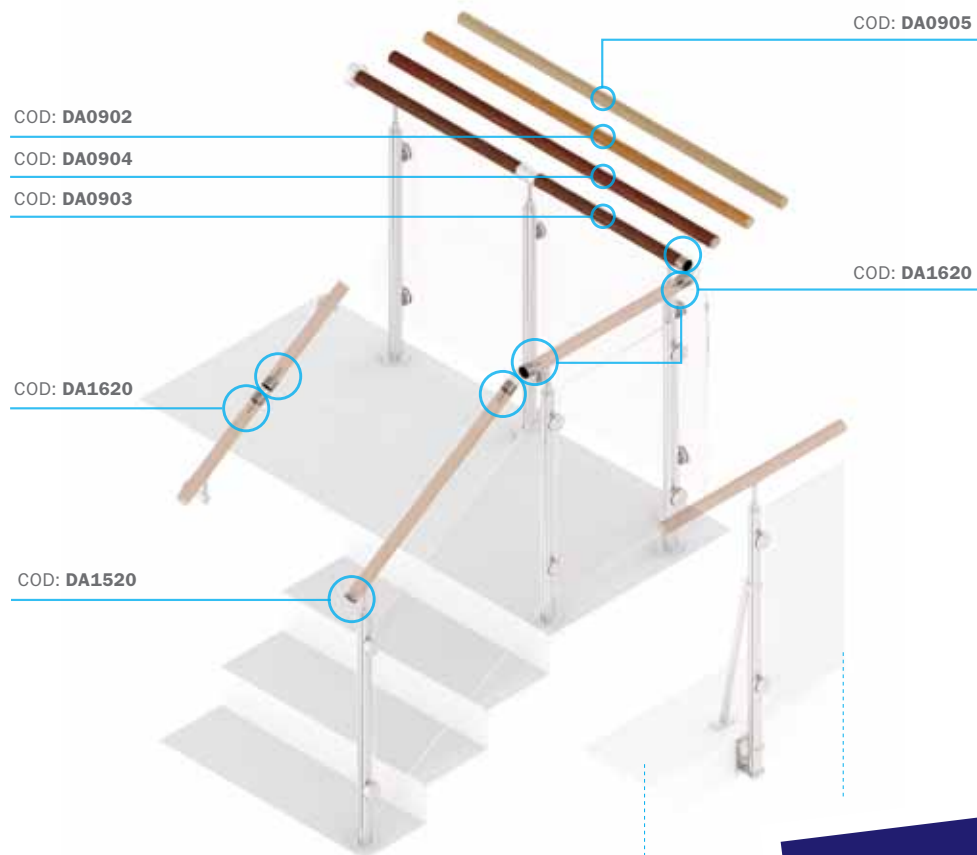


INOX20SCREEN



Railings with panels must be installed in two stages.
Take the measurements for the panels only
after having installed all the steel components.
Buy what you need from a specialised supplier.

INOX20SCREEN_a solid wood handrail is also available in four finishes.



INOX20SCREEN

INOX20SCREEN_Stainless steel railing with a satin finish characterised by circular-section balusters joined to each other with panels in glass or another material (not provided).



DB1020

Baluster to be fastened to the side of the floor

H 114,5 cm - 42,4 Ø x 1,75 mm
Complete with side fixing, handrail fixing and rivets. For steel handrails 2 rivets are provided; for wooden handrails use commercial screws. Baluster 33 mm away from the fastening wall.



DB0820

Baluster to be fastened on the floor

H 96 cm - 42,4 Ø x 1,75 mm
Complete with floor fixing, handrail fixing, rivets and plate cover. For steel handrails 2 rivets are provided; for wooden handrails use commercial screws.



DA0820

Handrail
42,4 Ø x 1,45 mm
L 150 cm



DA0720

Handrail
42,4 Ø x 1,45 mm
L 200 cm



DA0902

Wooden handrail
42,4 mm Ø
L 200 cm
Ako light walnut.



DA0903

Wooden handrail
42,4 mm Ø
L 200 cm
Ako dark walnut.



DA0904

Wooden handrail
42,4 mm Ø
L 200 cm
Ako cherry.



DA0905

Wooden handrail
42,4 mm Ø
L 200 cm
Ako without coating.



DA1120

Handrail joint
42,4 Ø x 1,45 mm
Allows joining two handrail segments in a straight line. Complete with 2 rivets.



DA1620

Wooden handrail joint
42,4 mm Ø
Allows using the items DA1120, DA1220 and DA1320 with wooden handrails. Complete with 2 wood screws. Kit: 2 pieces.



DA1220

Adjustable elbow
42,4 Ø x 1,45 mm
Elbow adjustable from 90° to 180° on different planes. Complete with 2 rivets.



DA1320

Adjustable handrail joint
42,4 Ø x 1,45 mm
Joint adjustable from 90° to 180° on the same plane. Complete with 2 rivets.



DA1420

Handrail end cap
42.4 Ø x 1.45 mm
For steel handrails.
Complete with 1 rivet.



DA1520

Wooden handrail end cap
42.4 mm Ø
For wooden handrails.
Complete with 1 bush.
for wood and 1 M6 screw.



DD0520

Adjustable wall fixing
42.4 mm Ø
Complete with 3 expansion plugs.
For steel handrails 2 rivets are provided; for wooden handrails use commercial screws.



DD0720

Wall fixing
42.4 mm Ø
Complete with 3 expansion plugs.
For steel handrails 2 rivets are provided; for wooden handrails use commercial screws.



DD0820

Ring handrail fixing
42.4 mm Ø
Optional fixing to join the handrail to the baluster without drilling the handrail.
For wooden handrails use 2 commercial M6 dowels.



DD0620

Wall flange
42.4 mm Ø
Complete with 3 expansion plugs.
For wooden handrails use 1 screw or 1 commercial M6 dowel.



DC1120

Panel holder cap
Steel cap for DC1020 coupling on the end baluster of the railing.
Kit: 2 pieces.



DC1020

Panel holder
For 8-10 mm thick panels
Coupling for two separate panels.



DC1220

Round panel clamp
For 8-10 mm thick panels
Clamp for single-piece through panel.



DE0120

Reinforcement baluster
To double the strength of the balusters DB1020 and DB0820.
To be installed on the floor.
Complete with plate cover.



DD0900

Expansion plug
Galvanised steel and M8 screw in A4 stainless steel
12 mm Ø hole.
To fasten the baluster DB1020 or DB0820.
Kit: 6 pieces.



DD1200

Screw
8 mm Ø, L 50 mm,
10.9 cl galvanised white.
To fasten the baluster DB1020 or DB0820 to wood.
Kit: 6 pieces.



DD1000

Special glue for stainless steel
10 ml



Steel30



Art. HF0330

GREY STEEL RAILING MODULE
WITH FLOOR FIXING

Art. HF0430

GREY STEEL RAILING MODULE
WITH LATERAL FIXING

Art. HL0130

WALL-MOUNTED HANDRAIL MODULE

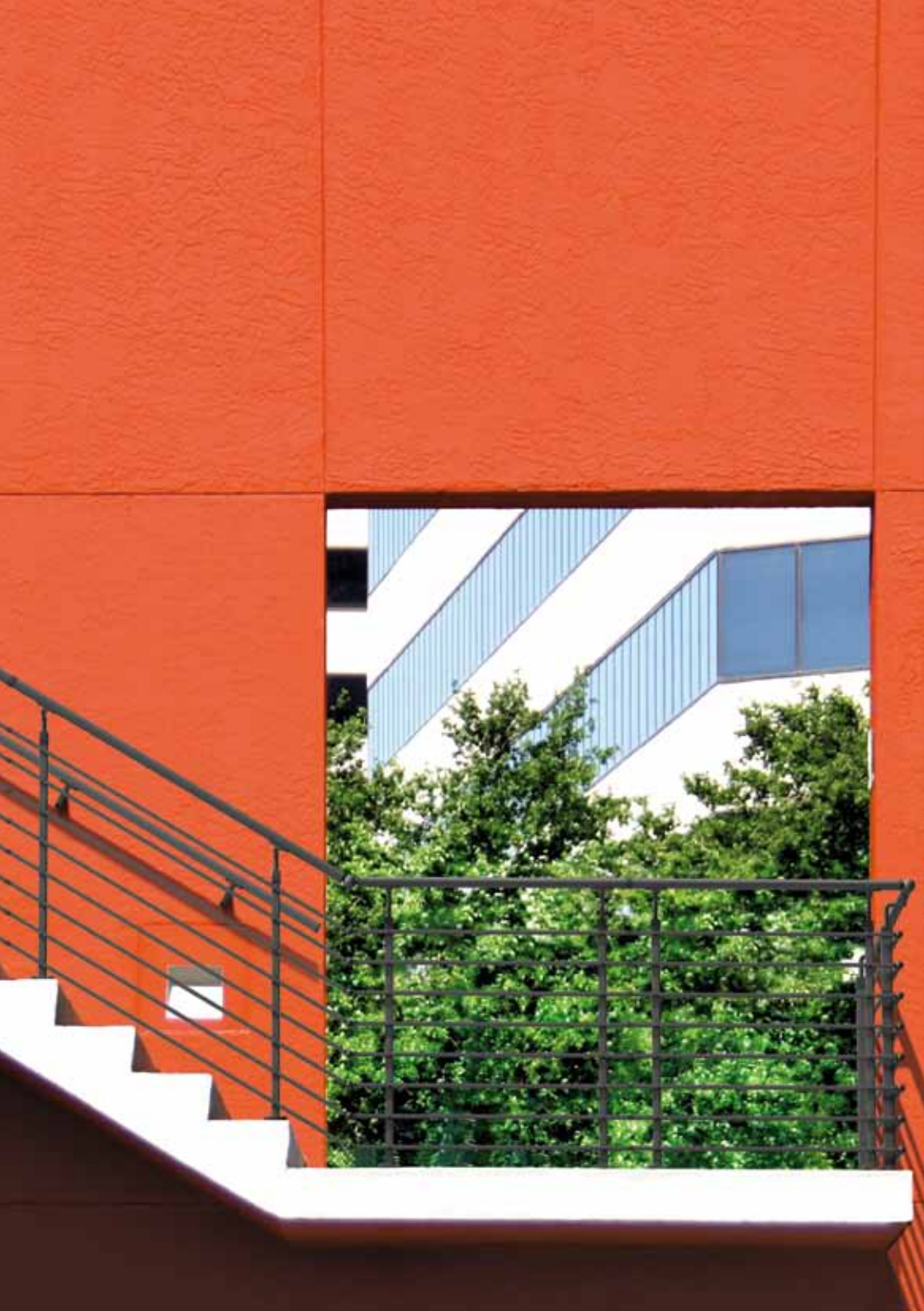
There are three **Steel30** packages: **HF0330**, a steel railing module with floor fixing; **HF0430**, a steel railing module with lateral fixings; **HL0130**, wall-mounted handrail module.

The three packages contain all the necessary parts for railing and handrail modules that are 150 cm in length with relative fixings and joints. The **HF0330** and **HF0430** modules allow railings to be constructed that comprise 2 rectangular-section balusters (40 x 30 x 3 mm), the height of which can be adjusted from 100 to 110 cm, connected to each other by 8 square-section parallel tubes (15 x 15 x 1 mm) and topped by a circular-section handrail (Ø 40 x 1.5 mm), all in Fe360 steel painted grey. In order to simplify the parallel assembly of the horizontal tubes, there are two specifically-created devices inside the **HF0330** and **HF0430** packages that allow the tubes to be positioned and perforated on the balusters correctly.

Each railing part is assembled using removal-proof rivets and watertight seals.

Each railing module can be connected using semi-sphere joints (included in the packages) that can be adjusted from 90° (right angle) to 270° (obtuse angle) also allowing the modules to be joined in changes of direction or on a slope. The **Steel30** railing can easily be adjusted in length by cutting the parallel connection tubes and the handrail during installation. The materials used in all the parts and finishes allow installation both indoors and outdoors, also in the presence of sea salt, urban pollution and sunrays. A knock-proof Plexiglas protection panel is available to prevent children from climbing on to the **Steel30** module.







Steel30





Steel30





Steel30 Art. HF0330

GREY STEEL RAILING MODULE WITH FLOOR FIXING



01_

Connection between two straight handrail modules.

02_

Optional protection panel for preventing children from climbing the module.

03_

Semi-sphere joints for joining sloping railing modules between 90° and 270°.

04_

Slope of railing from 90° to 180° in all directions, thanks to the adjustable fixing of the handrail to the baluster.

05_

Railing height from 100 to 110 cm thanks to the adjustable fixing of the handrail to the baluster.
Baluster sizes: 40 x 30 x 3 mm

Device for positioning and perforating the tubes on the balusters correctly.



06_
Length of the railing adjustable
by cutting the handrail.
Handrail sizes: \varnothing 40 x 1.5 mm

07_
All the balustrade interspaces
are less than 10 cm
guaranteeing maximum safety
via the impossibility to be
passed through.

HF0330 Package:
contains all the material
required to construct
railing modules 150 cm
long with relative
fixings and joints.
The packages do not
contain the screws and
anchors for floor fixing.

08_
PVC protective casing
to seal interior of baluster.

09_
Length of the railing adjustable
by cutting the tubes.
Tube sizes: 15 x 15 x 1 mm

10_
End floor fixing.

railing®
contanot

Steel30 Art. HF0430

GREY STEEL RAILING MODULE WITH LATERAL FIXING



01_

Connection between two straight handrail modules.

02_

Optional protection panel for preventing children from climbing the module.

03_

Semi-sphere joints for joining sloping railing modules between 90° and 270°.

04_

Slope of railing from 90° to 180° in all directions, thanks to the adjustable fixing of the handrail to the baluster.

05_

Railing height from 100 to 110 cm thanks to the adjustable fixing of the handrail to the baluster.
Baluster sizes: 40 x 30 x 3 mm

Device for positioning and perforating the tubes on the balusters correctly.



06_
Length of the railing adjustable
by cutting the handrail.
Handrail sizes: \varnothing 40 x 1.5 mm

07_
All the balustrade interspaces
are less than 10 cm
guaranteeing maximum safety
via the impossibility to be
passed through.

HF0430 Package:
contains all the material
required to construct railing
modules 150 cm long
with relative fixings and
joints. The packages do
not contain the screws and
anchors for lateral fixing.

08_
PVC protective casing
to seal interior of baluster.

09_
Length of the railing adjustable
by cutting the tubes.
Tube sizes: 15 x 15 x 1 mm

10_
Lateral fixing.

railing®
contanot

Steel30 Art. HL0130

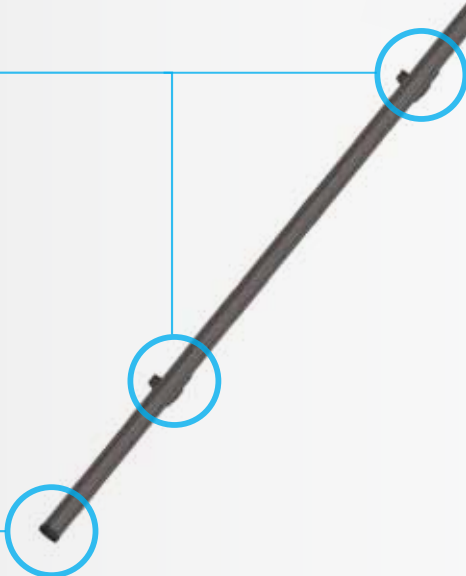
WALL-MOUNTED HANDRAIL MODULE

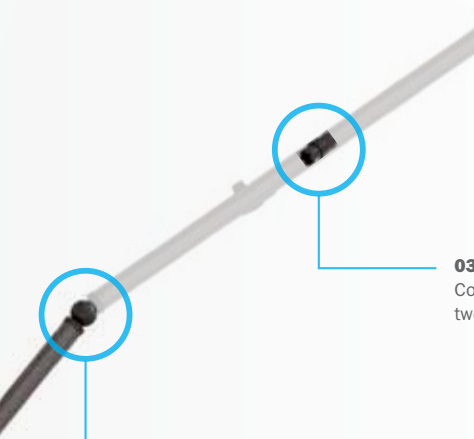


01_ Wall fixing of the handrail.



02_ Watertight handrail end (protects the parts cut during installation).





04_
Joint for joining sloping handrail modules between 90° and 270°.

03_
Connection between two straight handrail modules.



HL0130 Package: contains all the material required to construct handrail modules 150 cm long with relative fixings and joints. The packages do not contain the screws and anchors for wall fixing.



Steel10



Art. HF0210

HF0210 WHITE STEEL
BALUSTRADE MODULE

Steel10 is available in the **HF0210** package containing everything necessary for constructing a balustrade 150 cm long and 110 cm high to be installed on flat surfaces only.

The **HF0210** modules allow the construction of lengths of balustrade comprising 4 bearing structures, 2 vertical and 2 horizontal ones, with 11 vertical square tubes, all made from white painted Fe360 steel (RAL 9010).

Joints, with white rivets for removal-proof fixing, allow any type of installation with a variable angle from 90° (right angle) to 270° (obtuse angle); the joints also allow the structural parts to be cut and modules to be connected during installation, modifying both the height and the length of the balustrade.

The design of **Steel10** has carefully taken child safety into consideration thanks to the reduced interspaces and the vertical configuration.

The materials used in all the parts and finishes allow installation both indoors and outdoors, also in the presence of sea salt, urban pollution and sunrays.







Steel10





Steel10





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Steel10 Art. HF0210

WHITE STEEL BALUSTRADE MODULE



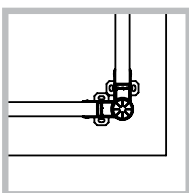
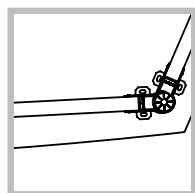
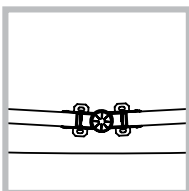
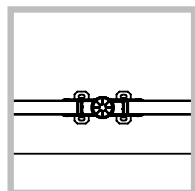
01_

All the balustrade interspaces are less than 10 cm guaranteeing maximum safety due to the impossibility to be passed through.

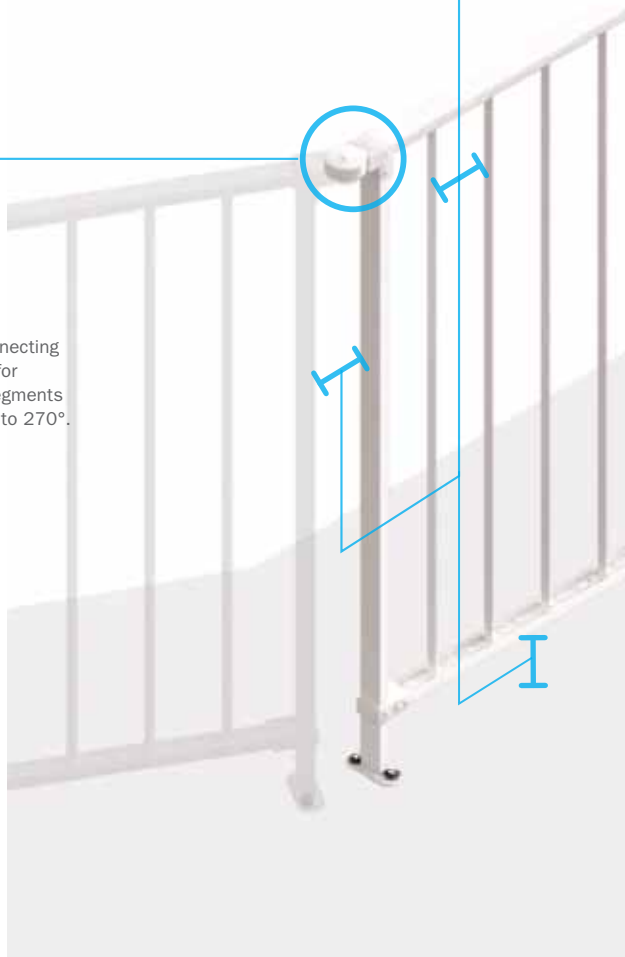


02_

PA6 technopolymer connecting joints for two modules for constructing straight segments or with an angle of 90° to 270°.



Possible connections between the modules



03_
Wall fixing adjustable from 90° to 270°
(the package contains a right-hand
and a left-hand fixing).



04_
Possibility of cutting and adjusting the
balustrade height from 5 to 110 cm.
Size of rectangular-section baluster:
40 x 20 x 2 mm

05_
Possibility of cutting and adjusting the
balustrade length from 16 to 150 cm.
Size of sections: 40 x 20 x 1.5 mm

06_
Size of tubes:
12 x 12 x 1 mm



HF0210 Package: contains
all the material required
to construct balustrade
modules 150 cm long with
relative fixings and joints.
The packages do not
contain the screws and
anchors for floor and wall
fixing.



NIK



NIK The NIK railings are characterised by circular-section silver-coloured anodised aluminium three-grooved balusters. The balusters are joined to each other with stainless steel cables and can be installed directly on the floor or to the side of the floor with special fixings.

There are two baluster sizes: a short one (90 cm) for installation on the floor or a taller one (120 cm) for installation on the side. The handrail is made of wood and comes in 120 cm modules. In corners or where the slope changes, the wooden handrail segments are joined to each other with silver-painted metal ball joints. The handrail can be fastened to the wall with metal supports. For curved configurations use the handrail of the LAN railing in shapeable wood-effect PVC with relative accessories. All the joining fixings are made of silver-painted metal.





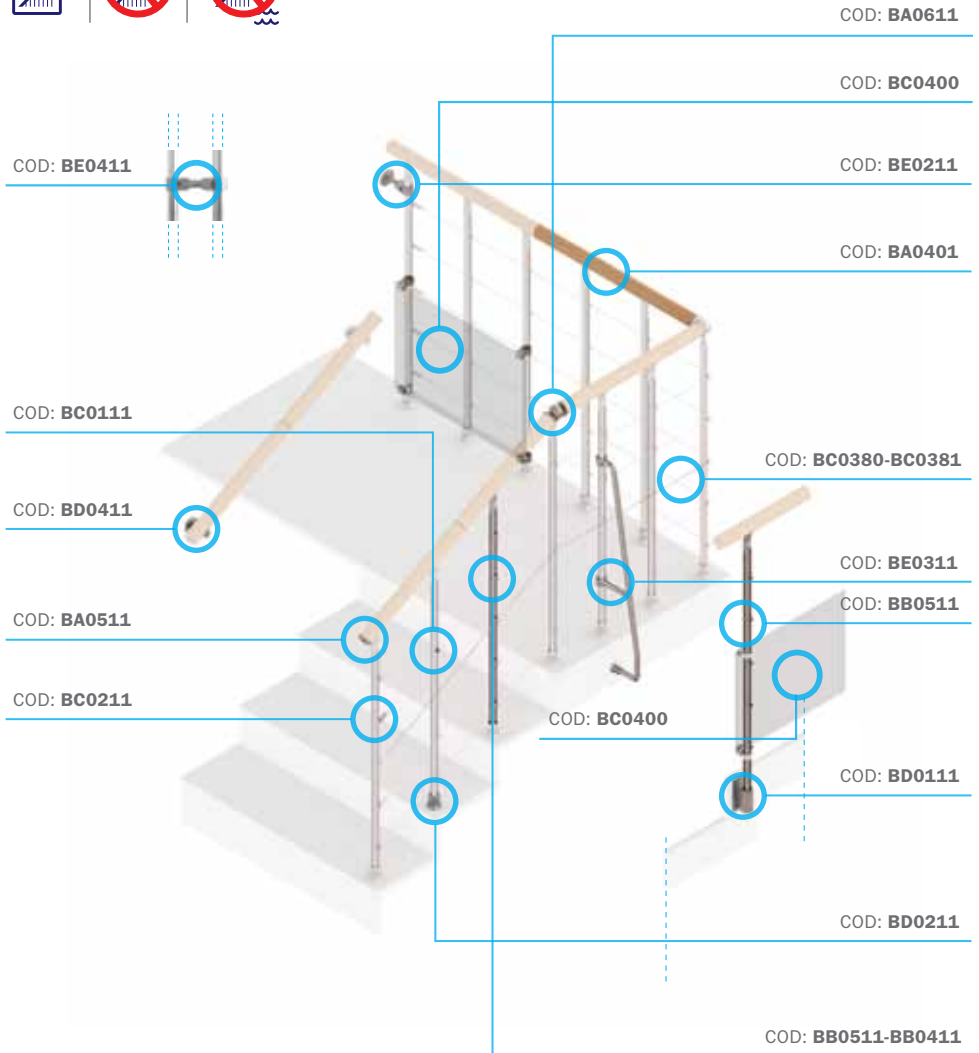
NIK





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NIK_Railing characterised by circular-section silver-coloured aluminium balusters joined to each other with stainless steel cables.





BB0511

Aluminium baluster
H 121 cm - 27 mm Ø
For BD0111 side fixing and BD0211 floor fixing.
Baluster 32 mm away from the fastening wall.



BD0111

Side fixing
For BB0511 baluster.
Complete with 2 expansion plugs, 2 threaded hubs and 2 nuts. Baluster 32 mm away from the fastening wall.



BB0411

Aluminium baluster
H 90 cm - 27 mm Ø
For BD0211 floor fixing.



BD0211

Floor fixing
For BB0411 and BB0511 balusters.
Complete with expansion plugs.



BE0211

Wall fixing
For BB0411 and BB0511 balusters.
Complete with 3 expansion plugs and plate cover.



BE0411

Baluster-baluster fixing
For BB0411 and BB0511 balusters.



BA0401

Wooden handrail
48 mm Ø, L 120 cm
Complete with threaded dowel to join two handrail segments in a straight line.



BA0511

Handrail end cap
In silver-painted metal.
For BA0401 handrail.
Kit: 2 pieces.



BA0611

Spherical joint
Adjustable from 90° to 180°.
For BA0401 handrail.
Complete with two cylindrical joints and a bracket to join the ball joint to the angular baluster.



BD0411

Wall fixing
For NIK BA0401 handrail and LAN BA0101 handrail.
Complete with 3 expansion plugs.



BE0311

Side reinforcement baluster
For BB0411 and BB0511 balusters. It is advisable to use the reinforcement on the first baluster at the starting point of the railing/balustrade. Complete with expansion plugs and dowels.



BC0380-81

BC0380 Cable
11m stainless steel cable.
For BC0111 cable feedthrough nut.
BC0381 Cable
14m stainless steel cable.
For BC0111 cable feedthrough nut.



BC0211

Cable terminal
For BC0380 and BC0381 cables.
Kit: 10 pieces.



BC0111

Cable ring
For BB0411 and BB0511 balusters.
Kit: 10 pieces.

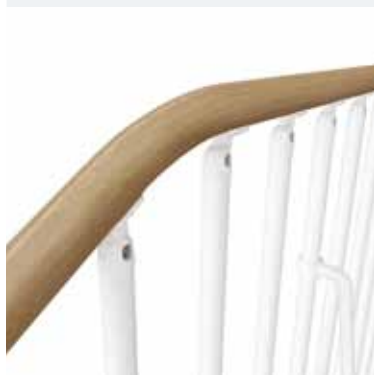


BC0400

Protection panel
680 x 360 x 3 mm
Safety accessory in shockproof polycarbonate to be fitted to the railings with horizontal elements to prevent children from climbing up them. Complete with 6 fixings, 6 screws and 6 nuts.



LAN



LAN The LAN railings are characterised by circular-section white-painted steel balusters.

The balusters can be installed directly on the floor or to the side of the floor with special fixings.

There are two baluster sizes: a short one (92 cm) for installation on the floor or a taller one (123 cm) for installation on the side.

For staircase railings, install a short baluster and a long baluster on each tread, cutting the long one to suit the installation requirements. You can choose from the NIK wooden handrail or the LAN shapeable wood-effect PVC handrail with an aluminium core that can hence be adapted to various configurations be they straight or curved.

The handrail can be fastened to the wall using white-painted metal supports.





LAN

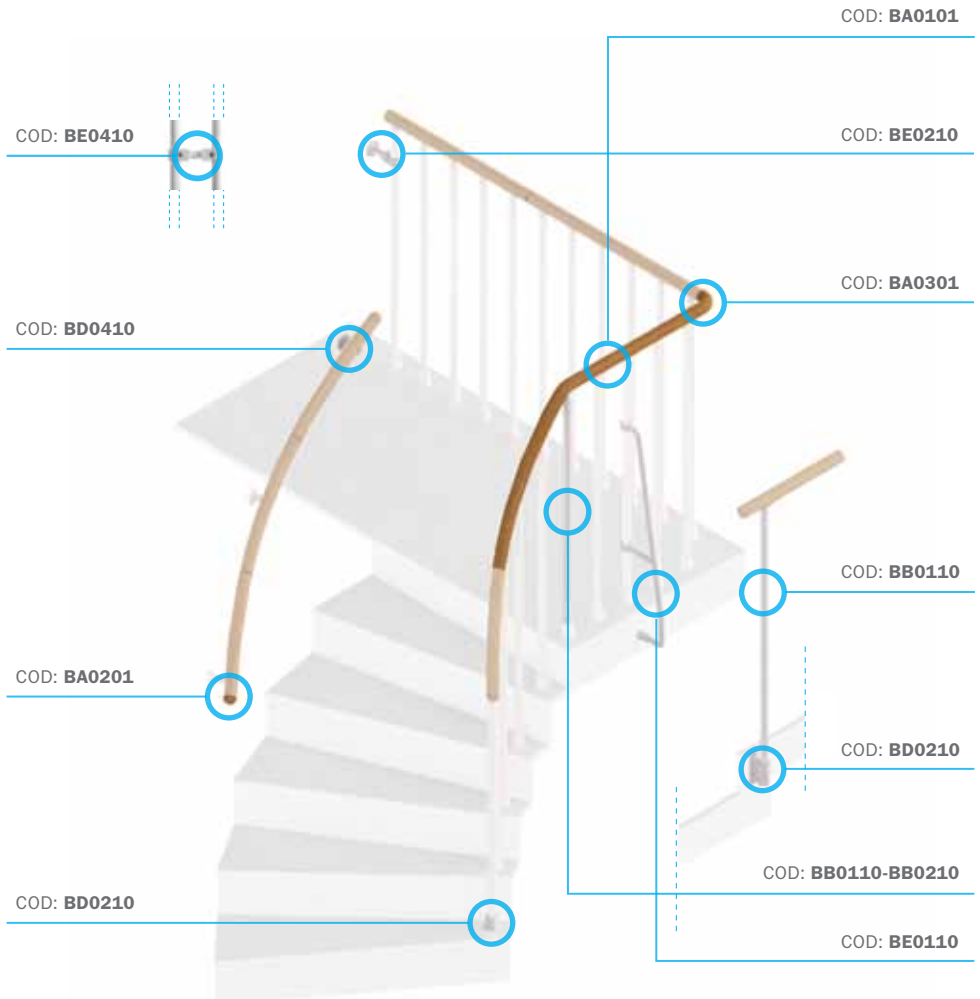




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LAN

LAN_Railing characterised by circular-section white-painted steel balusters.





BB0110

Steel baluster

H 123 cm - 27 mm Ø
For BD0110 side fixing
and BD0210 floor fixing.



BD0110

Side fixing

For BB0110 baluster.
Complete with 2 expansion
plugs, 2 threaded hubs and
2 nuts.
Baluster 32 mm away from the
fastening wall.



BB0210

Steel baluster

H 92 cm - 27 mm Ø
For BD0210 floor fixing.



BD0210

Floor fixing

For BB0210 and BB0110
balusters.
Complete with expansion plugs
expansion plugs.



BE0210

Wall fixing

For BB0210 and BB0110
balusters.
Complete with 3 expansion
plugs and plate cover.



BE0410

Baluster-baluster fixing

For BB0110 and BB0210
balusters.



BA0101

PVC handrail

42 mm Ø, L 120 cm
In shapeable wood-effect PVC for
curved configurations. Complete
with threaded plastic bush to
join two handrail segments in a
straight line.



BA0201

PVC handrail cap

In natural wood-coloured PVC.
For BA0101 handrail.
Kit: 2 pieces.



BA0301

90° elbow for PVC handrail

In natural wood-coloured.
For BA0101 handrail.



BD0410

Wall fixing

For LAN BA0101 handrail
and NIK BA0401 handrail.
Complete with 3 expansion
plugs.



BE0110

Side reinforcement baluster

For BB0210 and BB0110
balusters.
It is advisable to use the
reinforcement on the first
baluster at the starting point
of the railing/balustrade.
Complete with expansion plugs
and dowels.



guide to selection

ADVICE ON CHOOSING THE RAILINGS AND THEIR INSTALLATION

WHERE TO INSTALL THE INOX AND STEEL RAILINGS

In choosing the product, bear in mind the environment where the railing will be installed.



If installing in aggressive outdoor environments, we recommend you choose INOX22 (AISI 316 steel with a polished finish), Steel10 or Steel30 which are particularly resistant to atmospheric pollution and to the chlorides typical of marine environments. Please follow all maintenance advice meticulously.



If installing in low-aggressive outdoor environments, we recommend you choose INOX21 (AISI 304 steel with a polished finish), Steel10 or Steel30. If you prefer using INOX20 (AISI 304 steel with a satin finish) outdoors, you should strictly observe the maintenance periods.



All the Railing models are suitable for indoor use.



The Steel10 balustrade can only be installed horizontally, not sloping.

REGULATIONS

In order to be sure that your installation complies with the standards, find out which local and national regulations apply to the intended use (private, office, shops, etc.).

Carry out the installation in a workmanlike manner using appropriate tools.

CLEANING

Clean with a soft, damp cloth, avoiding the use of any solvent or abrasive material, and dry carefully to remove any limestone deposits left by the water.

We advise cleaning with normal automotive cleaning products at least once a year for the INOX20, INOX21 and INOX22 railings.

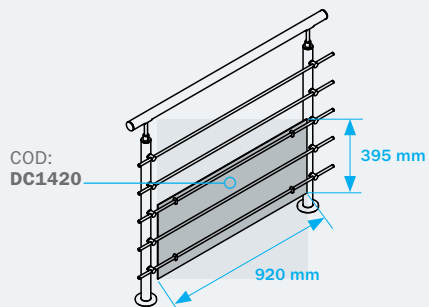
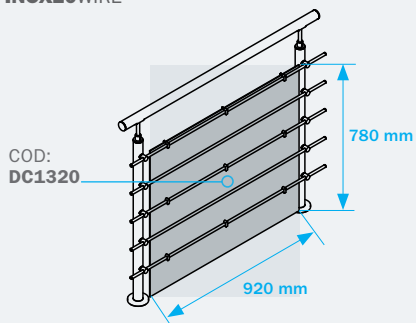
We advise cleaning with normal automotive cleaning products available on the market at least once a year for the Steel10 and Steel30 railings.

For installations in areas with high levels of environmental or urban pollution or close to the sea, clean thoroughly and accurately with suitable products (see above) every 4-6 months, or as soon as stains can be seen on the surface of the items.

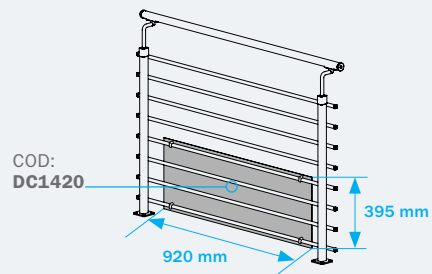
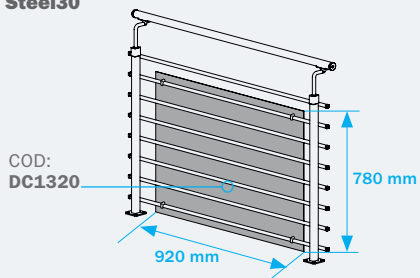
PROTECTION PANELS

The use of protection panels prevents children from climbing up the railings.

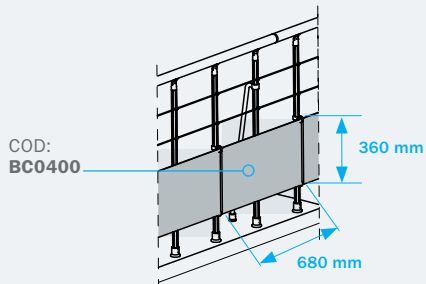
INOX20WIRE



Steel30



NIK

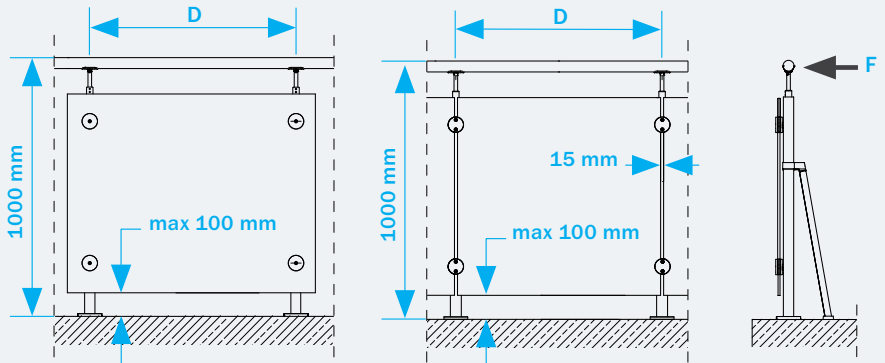


RAILING STRENGTH (1/2)

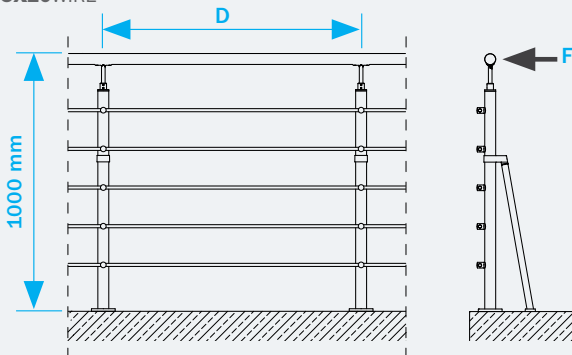
D = Maximum distance between balusters / F = Static structural strength with a horizontal load applied evenly on the handrail

Structural strength test	Without reinforcement baluster		With reinforcement baluster DE0222 per INOX22 DE0121 per INOX21 DE0120 per INOX20SCREEN e INOX20WIRE	
	D max (mm)	F (N/m)	D max (mm)	F (N/m)
INOX22 INOX21 INOX20SCREEN INOX20WIRE	1000	1000	1000	2000

INOX22



INOX20WIRE

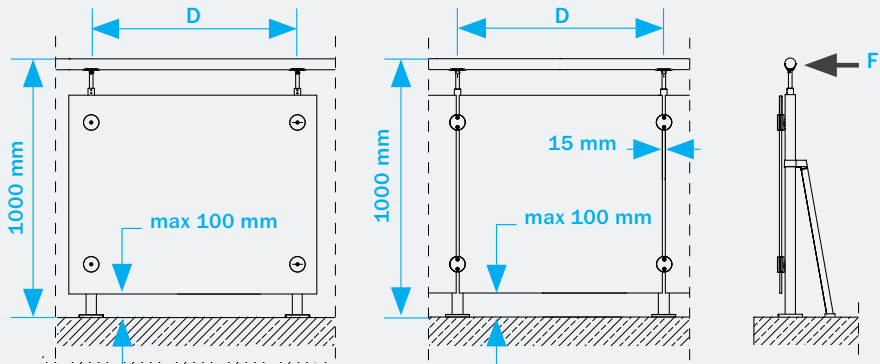


The structural strength can be doubled by halving the distance between the balusters.

The structural strength tests to verify compliance with the provisions laid down in Ministerial Decree dated 14/01/2008 and the requirements according to the UNI EN 1991-1-1 (EUROCODE 1) standards have been conducted in Italy at the Giordano Institute laboratories, SIT / SINCERT accredited and authorised by the Ministry for Infrastructures to conduct tests and issue test certificates for the construction materials.

The test certificates can be viewed at the address: www.fontanot.it/ita/Download-Certifications

INOX21 - INOX20SCREEN

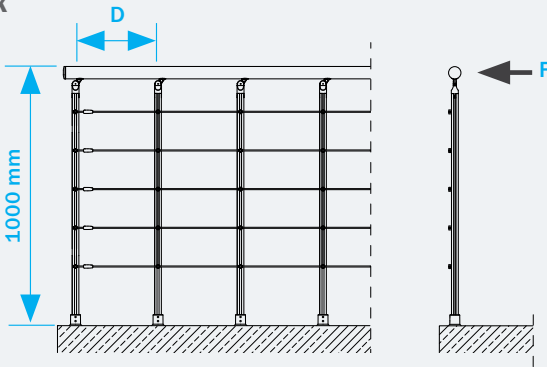


RAILING STRENGTH (2/2)

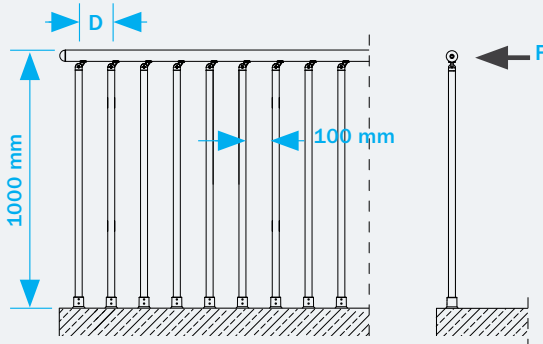
D = Maximum distance between balusters / F = Static structural strength with a horizontal load applied evenly on the handrail

Structural strength test	Without reinforcement baluster	
	D max (mm)	F (N/m)
NIK	320	*500
LAN	127	*2000
Steel30		2000
Steel10		1000

NIK



LAN



The structural strength can be doubled by halving the distance between the balusters.

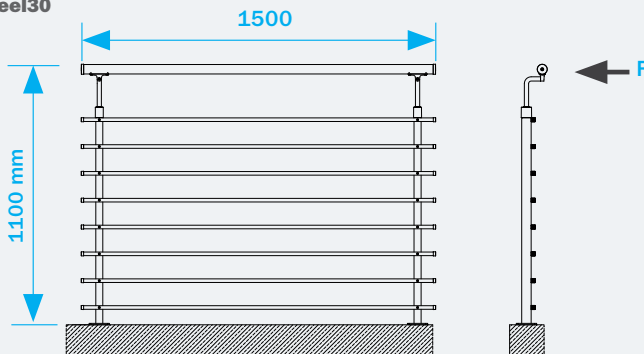
The structural strength tests to verify compliance with the provisions laid down in Ministerial Decree dated 14/01/2008 and the requirements according to the UNI EN 1991-1-1 (EUROCODE 1) standards have been conducted in Italy at the Giordano Institute laboratories, SIT / SINCERT accredited and authorised by the Ministry for Infrastructures to conduct tests and issue test certificates for the construction materials.

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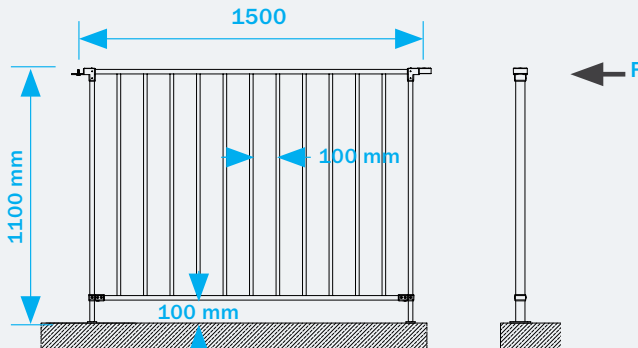
Notes

*Installation carried out by fitting one reinforcement baluster every metre of balustrade.

Steel30



Steel10



materials (1/2)

THE RAILINGS ARE MADE USING MATERIALS THAT THANKS TO THEIR PARTICULAR CHARACTERISTICS ALLOW ADAPTING THE INDIVIDUAL COMPONENTS TO THE VARIOUS ENVIRONMENTS IN WHICH THEY WILL BE INSTALLED.

INOX22, INOX21, INOX20WIRE E INOX20SCREEN

Structural components

Stainless steel, commonly known as 18/10 steel, is an iron-carbon alloy that is particularly rustproof due to the presence of chrome, an element that can cover itself with an invisible layer of oxides that protects the underlying metal from the external chemical agents. Stainless steel reacts to corrosion in a similar way to noble metals (gold and silver): simple routine cleaning will remove the surface patina and polish the steel like new without using any protective treatment. This steel is used in many ways: home furnishings and household goods, ornaments, coins, architectural finishes, professional food preparation equipment and many other items; it is also widely used in the chemical industry due to its resistance to a large part of aggressive agents. All the parts of the INOX20SCREEN, INOX20WIRE and INOX21 railings are made from 18/10 stainless steel (USA standard: AISI 304). The parts of the INOX22 railings are made from 18/10/3 stainless steel (USA standard: AISI 316): this type of steel is even more rust resistant than AISI 304, due to the presence of a percentage of molybdenum, a metal that renders the product highly unalterable.

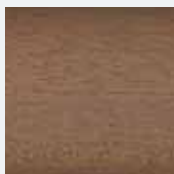


The outer surface of the INOX22, INOX21 and INOX20 parts is mechanically finished using special abrasive brushes in order to improve the appearance of the surface and the resistance to corrosion. In addition, the INOX22 and INOX21 parts are also mechanically polished improving the resistance to corrosion further and the shine compared to the rough surface. The INOX railings are 100% recyclable (all the railing material can be recast to produce new items).

On an interesting note: in 1929, just 16 years after it was discovered by the Englishman Harry Brearly, the same type of steel was used for the construction of the steeple of the Chrysler Building in New York: the structure was built in the workshop in four separate parts and then assembled on the top of the building in just 90 minutes. The shine of the steeple, 80 years after it was built, bears witness to the construction's extremely high degree of resistance and stainlessness.

Wooden handrails

For the INOX21, INOX20WIRE and INOX20SCREEN railings, either stainless steel or wooden handrails can be used. The wood used is solid Ako certified by FSC. This important certification guarantees forest management and forest product traceability (chain of custody) in order to ensure that consumers know the origin of the wood put on the market. The wooden handrails (codes DA0902, DA0903 and DA0904) are finished with an acrylic coating dried with UV rays with zero environmental impact.



**Ako
light walnut**



**Ako
dark walnut**



**Ako
cherry**



**Ako
without coating**

materials (2/2)

NIK E LAN

Structural components

The structural components (balusters) of the NIK railing are made of anodised aluminium, a noble material known for its particular resistance to oxidation yet maintaining its lightweight and durability characteristics.

The structural components (balusters) of the LAN railing are made of steel subjected to a particular coating process with epoxy powders and dried at high temperatures. This treatment guarantees superior performance in colour uniformity and resistance to abrasions.

The NIK and LAN railings are more than 65% recyclable (more than 65% of all the railing material can be recast for producing new items).



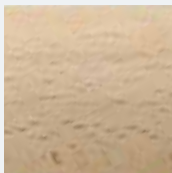
**anodised
aluminium**



**coated
steel**

Handrails

The handrail for the NIK railing is made of wood. For curved configurations, the handrail of the LAN railing is used, which is made of shapeable wood-effect PVC with an aluminium core. It can be bent during installation to achieve a minimum radius of curvature of 45 cm, yet guaranteeing the necessary stability and symmetry.



wood



PVC wood effect

STEEL10, STEEL30

Structural components

The aim of the STEEL10 and STEEL30 railings design was achieved by choosing materials and finishes that combine maximum resistance and safety with the lightness and elegance of the shapes.

All the Fe360 parts undergo a special protective undercoating that, together with the UV paint, guarantees 500 hours of resistance to oxidation tested in saline mist according to the ISO 9227:2006 standards.

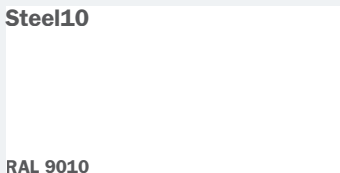
The RAL9010 embossed white steel parts for Steel10 and RAL 7010 grey steel parts for Steel30 are painted with a special polyester-based, VOC-free (volatile organic compound-free), UV protection powder, plasticised at 190°C, which releases no substances whatsoever (hazardous and non-hazardous) into the environment. The plastic joints, plugs and wall fixings (grey RAL 7024) are made from PA6 technopolymer with special UV protection additives and coloured in the mixture. The plastic bars on the Steel10 that fasten the vertical tubes to the horizontal bearing structures are made in HDPE polymer, coloured white in the mixture and with special UV protection additives.

The Steel30 protection cap is made from PVC polymer coloured in the mixture with UV protection additive.

The rivets are coated aluminium or A2 stainless steel, while the screws exposed to atmospheric agents are made from A2 stainless steel.

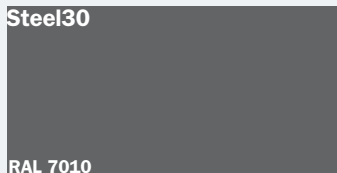
All the parts are more than 95% recyclable (95% of all the material can be recast to produce new items).

Steel10



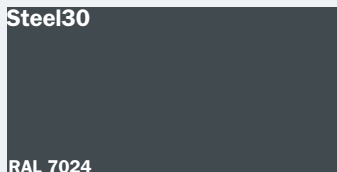
RAL 9010

Steel30



RAL 7010

Steel30



RAL 7024



The wooden handrails are certified



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