UTEGLASS

GLASSREKKVERK SPESIALISTEN

Introduction

The Stainless Steel Handrail Component System

Stylish, durable and cost effective stainless steel handrailing component system designed with ease of installation in mind.

The comprehensive range of components allows you to specify and install without the need for fabrication and maximises on-site flexibility for those changes that inevitably arise.

The system enables the most stylish of handrailing and balustrades to be constructed quickly & simply by the contractor. All you have to do is cut, glue or screw to create professional results every time.

Specifiers can be assured that component design and range flexibility mean installation by a competent installer is a straight forward process.

We offer a range of infill solutions using glass with glass clamps, wire rope, round bar and decorative bars. We can also manufacture infill panels incorporating perforated metal, wire mesh and wire rope netting.

Available in Grade 304 and 316 to suit internal and external applications, you can be sure the quality and product care will provide stunning results.

All fittings are stainless steel with 2mm wall thickness unless otherwise stated.

Satin polish finish is 320 grit & mirror finish is 800 grit.

Contents
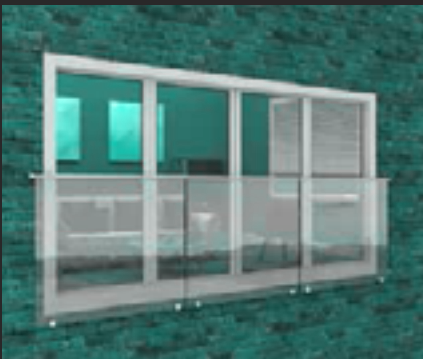
Color Guide

The colours in the tables will help you select your products material and finish. These will also be displayed in the page footer throughout the catalogue. Products not colour coded will have their material or finish below the table.

Grade 304 Stainless steel (Internal)

Mild Steel

Grade 316 Stainless steel (External)

Galvanised

Zamac (Zinc aluminium alloy)

Aluminium

Zinc

Duplex 2205 (Ultra marine stainless)

Icons

Throughout the catalogue there are various icons to help you with your product selection.

Technical info that can be found on our website;

Tech

Handy tip for quicker and more effortless installation

Liveconfigurator™

Real Time Design

CREATE
A FREE
ACCOUNT
TODAY!

Design and personalise our range of glass stand-off adaptors with Liveconfigurator™

⊕	*Configure to Your Specification*
✎	*Accurate Drawings*
⊘	*Eliminate Mistakes*
🕐	*Instant Quotes*

» *Save time estimating your balustrade*

» *A choice of styles, layouts, glass and components*

» *Get a very competitive quote within minutes*

» *Receive 100% accurate CAD drawings, free of charge*

» *Use 24/7 any day of the year real time design*

» *Save hours of time drawing*

» *Impress customers with your fast response and ability to provide drawings*

Simple to use, Liveconfigurator™ will generate a quote for stainless steel and glass balustrade systems in minutes, at any time or any day. It will also provide a list of all the parts you need to complete your project almost instantly. If you prefer to speak to one of our staff you can request a call back.

- Get a quote in minutes
- Use 24/7 any day of the year
- You have a choice of systems
- Save hours of time drawing
- Automatically configure drawings to your dimensions
- Provide accurate, detailed layout drawings
- Ideal for anyone designing a glass balustrade
- Makes installation easier and faster

Glass Stand-Off Adaptors

Flat Back

Glass Adaptor For Use With Round Posts

Ø [mm]	(A) [mm]	(B) [mm]	(C) [mm]	Glass [mm]	Glass Hole Size [mm]	Code
42.4	30	15	8	6 - 12	15	1802404C
42.4	50	10	10	8 - 19	22	1804454C
48.3	50	10	10	8 - 19	22	1804454D
48.3	50	10	10	8 - 19	22	1806454D

Solid Flat Front

(A) [mm]	(B) [mm]	(C) [mm]	Glass [mm]	Glass Hole Ø [mm]	Satin Polish Code	Mirror Finish Code
30	15	8	6 - 12	15	1802404F	-
30	15	8	6 - 12	15	1806404F	1806404FM
50	20	10	8 - 19	22	1806455	1806455M
50	30	10	8 - 19	22	1806456	1806456M
50	40	10	8 - 19	22	1806457	1806457M
50	50	10	8 - 19	22	1806458	1806458M

Solid Domed Front

Glass [mm]	Glass Hole Size [mm]	Satin Polish Code	Mirror Finish Code
8 - 19	22	1804454F	-
8 - 19	22	1806454F	1806454FM

Adjustable Hollow Flat Front

(A) [mm]	Glass [mm]	Glass Hole Size [mm]	Satin Polish Code	Mirror Finish Code
20	12.76 - 17.50	26	1806459	1806459M
30	12.76 - 25.50	26	1806460	1806460M
40	8.00 - 25.50	26	1806461	1806461M
50	8.00 - 25.50	26	1806462	1806462M

Fixing bolt not supplied. Use code: **1899006112**.

Spanner

To Suit Ø [mm]	Satin Polish Code
30 - 50	189900104

Internal Threaded Anchor

Size [mm]	Satin Polish Code
M10 x 100	5004RS10100F

For use with adjustable stand-off adaptor.

Countersunk Screw CR-LX-CS-ZF

Size [mm]	Code
M10 x 100	5002CCS10100`

Mesh Sleeve

Size [mm]	Satin Polish Code
M10	50WMS101000

RKER II Hybrid Resin

[mL]	Code
300	50RKER300

Suitable for use in dry & wet substrates & water filled holes

Thickness [mm]	Height [mm]	Width [mm]	Code
12	1087	500	1855125001087
12	1087	600	1855126001087
12	1087	700	1855127001087
12	1087	800	1855128001087
12	1087	900	1855129001087
12	1087	1000	18551210001087
12	1087	1200	18551212001087

Spigots

Liveconfigurator™ // Real Time Design
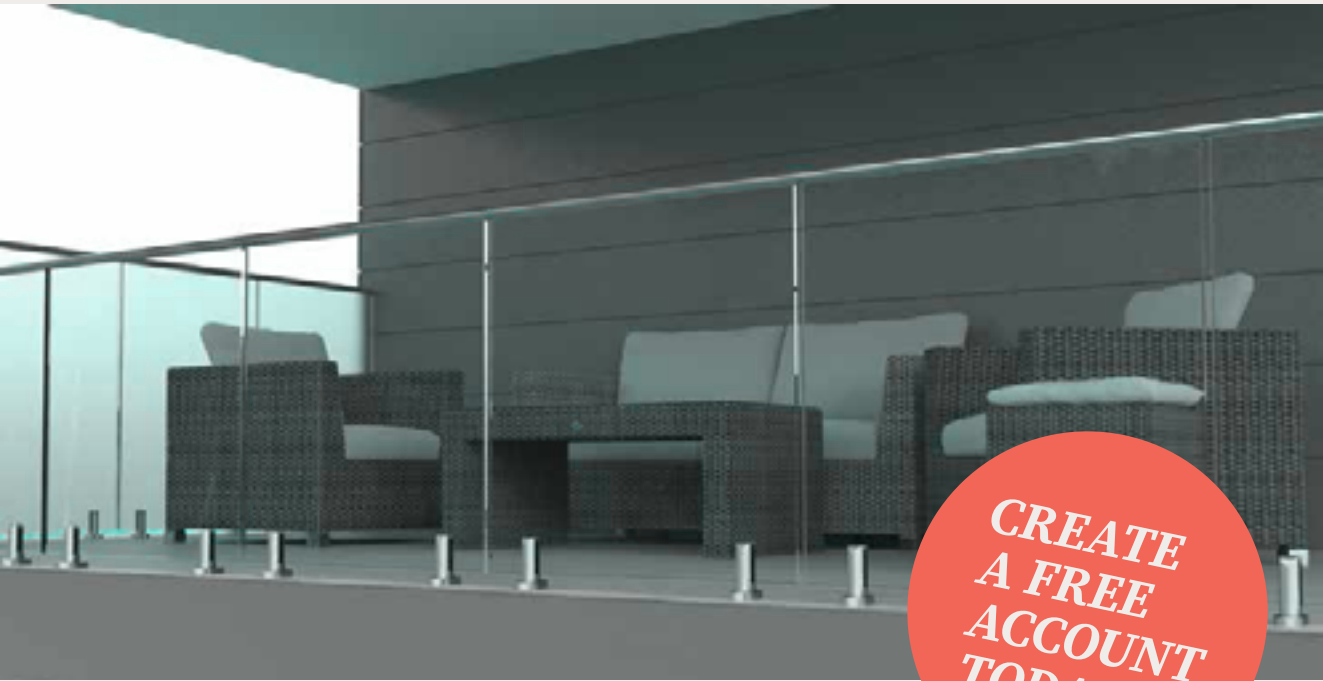
CREATE A FREE ACCOUNT TODAY!

Design and personalise our range of glass stand-off adaptors with Liveconfigurator™

Top Rail

Please note when using a gasket this will add a few millimetres to the overall height.

Square slim
See page 21

Square mini
See page 23

Round mini
See page 24

Rectangular
See page 26

Oval
See page 27

Round
See page 25

Mirror finish
Round
See page 75

Aluminium
Rectangular
See page 22

For 15mm standard glass panels or made to order glass panels please see from page 10.

Hex head
With flange
See page 88

Hex head
Multi-fix bolt
See page 88

Through bolt
See page 89

Countersunk
Concrete screw
See page 88

Resin Socket
See page 90

R-stud
With flat head
See page 90

For our full range of fixings see page 88.
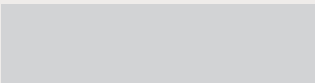
	Grade 304	
	Grade 316	
	Zamac	
	Zinc	
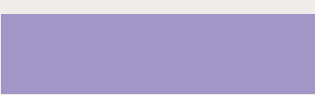
Mild Steel	
Galvanised	
Aluminium	
Duplex 2205	

Spigots
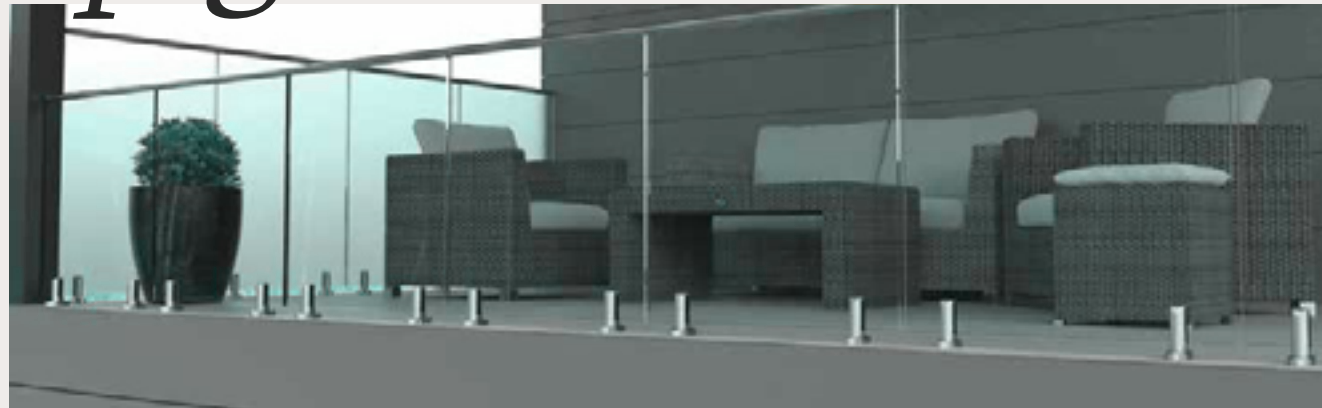
Features

» *Economic frameless glass solution*

» *For use with 10 - 21.5mm glass*

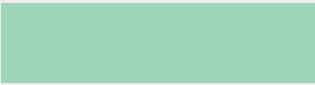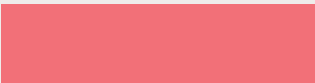» *Duplex 2205 (ultra marine stainless) option, stronger and reduced cleaning frequency when compared to Grade 316*

Duplex Round Spigot

Finish	Code
Satin	1822009
Mirror	1822009M

No holes in glass needed

Not structurally tested.

To suit 12 - 15mm glass. Height to glass from base is 67mm. For M8 x 75mm bolt use code: **5002CCS875**. For M8 x 100mm bolt use code: **5002CCS8100**.

Grade 316 Cover Cap

Size [mm]	Code
Satin	1822009CP
Mirror	1822009MCP

To suit duplex round spigot

PACKING SHIM

Code
1822010S

No holes in glass needed.
Thickness 3mm.

Round Spigot

Description	Code
Round spigot	1822007
Cover cap	1822007CP

Square Spigot

Description	Code
Square spigot	1822008
Cover cap	1822008CP

Square Spigot

Glass Thickness [mm]	Code
12 - 21.50	1822010

No holes in glass needed. Supplied with nut socket. To be used with M12 x 120mm lag screw with Allen key head code: **1899006124**

LAG SCREW

Size [mm]	Code
M12 x 120	1899006124

With Allen key head. Please order nut code: **189900639** and washer code: **189900633**.

No holes in glass needed.

10 - 21.5mm Glass thickness.

Height to glass when packer fitted is 45mm.

No holes in glass needed.

10 - 21.5mm Glass thickness.

Height to glass when packer fitted is 45mm.

PPC Matt Black Spigot

Description	Code
Square spigot	**1822011B**
Cover cap	**1822011CPB**

No holes in glass needed. 12mm Glass thickness.

Height to glass when packer fitted is 53mm. Black PPC finish.

Fixings

Description	Size [mm]	Code
Locator Nut - For use with cover plate. Excess thread to be cut off after installation	M12	**1829012N**
Covered Locator Nut - For use instead of cover plate. Hides bolt thread under nut	M12	**1829012DN**
Lag Screw with Allen key head	M12 x 120	**1899006124**
Concrete Bolt Self-tapping - For cracked and non-cracked concrete	M12 x 75	**5002HCS1275**
Concrete Bolt Self-tapping - For cracked and non-cracked concrete	M12 x 100	**5002HCS12100**

Tilt-Loc™

Residential Balustrade Solution

EXCLUSIVE REVOLUTIONARY TILT-LOCK ADJUSTMENT TECHNOLOGY

Features

» *Duplex 2205 (ultra marine stainless)*
» *Satin polish*
» *New adjustable tilt-lock technology*
» *Adjustment from one side*

Fixings
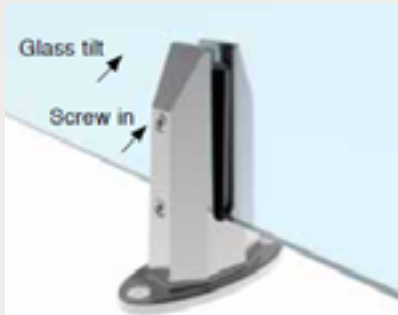
Level by hand and tighten the grub screws once in position for a perfect finish in half the time compared to a standard non-adjustable spigot. The Tilt-Loc™ system can easily be hand adjusted from one side by one person.

Tilt-Loc™ - Bolt Down

Glass [mm]	Height to Glass with Packer [mm]	Code
12 - 17.50	51	**1822001**
19 - 25.50	46	**1822002**

Cover cap included.

Tilt-Loc™ - Side

Glass [mm]	Height to Glass with Packer [mm]	Code
12 - 17.50	39	**1822003**
19 - 25.50	44	**1822004**

Cover cap included.

Tilt-Loc™ - Edge

Glass [mm]	Height to Glass with Packer [mm]	Code
12 - 17.50	43	1822005
19 - 25.50	43	1822006

Nut Socket

Code
1829002

For use with Tilt-Loc™ - Side

Alignment Gauge

Code
1829001

For use with Tilt-Loc™ - Side
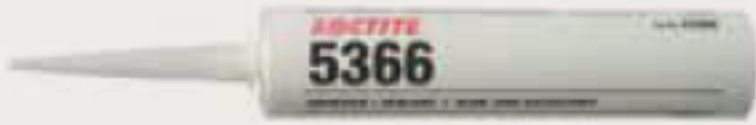
Rattling cover plate? Just add a dab of silicone, see page 92.

Balustrade Systems

SEE PAGE 12

Wedge-Loc® Slim

- Available in satin anodised & mill finish
- Pre-drilled channel fixing holes
- Suitable for glass from 12 - 25.52mm thickness
- Side or base-fix options
- Quick to install

SEE PAGE 15

Wedge-Loc® F Channel

- Available in satin anodised
- For installations under screed or decking subframes
- Suitable for glass from 12 - 21.5mm thickness
- F profile allows flush fitting to the edge of your substrate

SEE PAGE 16

Wedge-Loc® Duo

- Available in satin anodised & PPC black finish
- Adjustable grips to allow quick alignment of glass
- Suitable for glass from 15 - 25mm
- For installations up to 1.5kN in commercial applications
- + / -1° adjustment on glass
- Side or base-fix options

SEE PAGE 18

Wedge-Loc®

- Satin anodised (Grade 6063 T6) Aluminium
- Suitable for glass from 12 - 21.5mm thickness
- Up to 30mm tilt adjustment on glass
- Pre-drilled channel fixing holes
- Side or base-fix options

Stocked Glass Panels

Frameless Glass & Spigots Systems
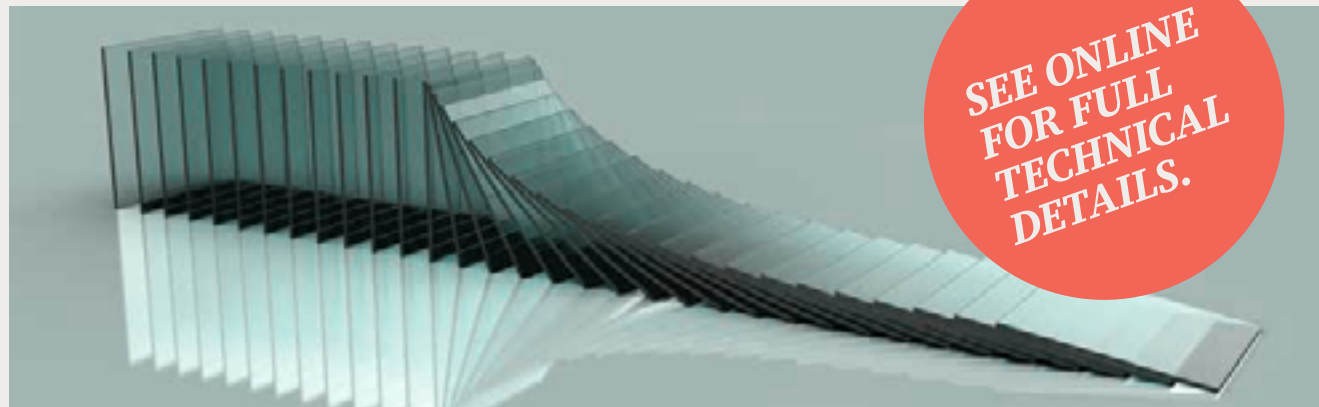
SEE ONLINE FOR FULL TECHNICAL DETAILS.

» *12 & 15mm thick toughened monolithic clear float glass*
» *17.5 & 21.5mm thick PVB toughened laminated glass*
» *Polished all round and dubbed corners*
» *Handrail should be used with toughened glass*

Thickness [mm]	Height [mm]	Width [mm]	Code
12	1087	500	1855125001087
12	1087	600	1855126001087
12	1087	700	1855127001087
12	1087	800	1855128001087
12	1087	900	1855129001087
12	1087	1000	18551210001087
12	1087	1200	18551212001087

12mm TOUGHENED PANELS

Thickness [mm]	Height [mm]	Width [mm]	Code
15	1087	500	1855155001087
15	1087	600	1855156001087
15	1087	700	1855157001087
15	1087	800	1855158001087
15	1087	900	1855159001087
15	1087	1000	18551510001087
15	1087	1200	18551512001087

15mm TOUGHENED PANELS

Thickness [mm]	Height [mm]	Width [mm]	Code
17.5	1087	500	18561755001087
17.5	1087	600	18561756001087
17.5	1087	700	18561757001087
17.5	1087	800	18561758001087
17.5	1087	900	18561759001087
17.5	1087	1000	185617510001087
17.5	1087	1200	185617512001087

17.5mm PVB TOUGHENED LAMINATED PANELS

Thickness [mm]	Height [mm]	Width [mm]	Code
21.5	1087	500	18562155001087
21.5	1087	600	18562156001087
21.5	1087	700	18562157001087
21.5	1087	800	18562158001087
21.5	1087	900	18562159001087
21.5	1087	1000	185621510001087
21.5	1087	1200	185621512001087

21.5mm PVB TOUGHENED LAMINATED PANELS

Top Rail

Please note when using a gasket this will add a few millimetres to the overall height.

Square slim See page 21	Square mini See page 23	Round mini See page 24	Rectangular See page 26	Oval See page 27	Round See page 25	Mirror finish Round See page 75	Aluminium Rectangular See page 22	
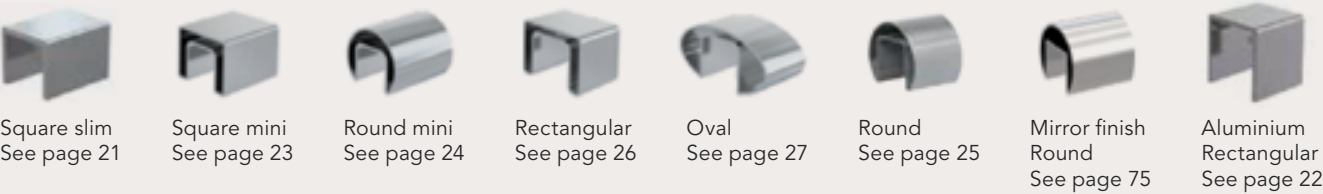
Spigots & Frameless Glass

For our range of pre-assembled posts see from page 34.

For our range of glass stand-off adaptors see page 5.

Made to Order Glass

Square Metre Panels

Our custom sized per square metre glass panels are polished on all edges and come with docked corners for safety and aesthetic reasons. Glass can be supplied with radius corners, shaped, with cut-outs and drilled at extra cost. A range of coloured glass, etched glass and self-clean coatings also available. The current meterage rates can be checked inline using the following codes and we can then prepare a detailed quote to meet your exact requirements.

You will need to add 30% to the meterage price for shapes and cut-outs. Consult with local building authorities and structural engineers to ensure correct glass specifications and fixings are used to achieve the required loadings. Where possible we have tested our systems and individual test reports are available online. For further information visit our website.

Toughened Glass

Thickness [mm]	Code
8	185508M
10	185510M
12	185512M
15	185515M
19	185519M
25	185525M

Toughened Laminated Glass

Thickness [mm]	Code
11.52	1856115M
13.52	1856135M
17.50	1856175M
21.50	1856215M
25.50	1856255M

Sentryglas® Ionoplast Interlayer Toughened Glass

Thickness [mm]	Code
12.89	**18571289M**
16.89	**18571689M**
20.89	**18572089M**
25.50	**1857255M**

Up to 5 times stronger and 100 times stiffer than conventional interlayers.

We can provide suitable templating material that can be cut to suit any special shapes on site. This is sent to our factory for production to match the template exactly, using modern imaging scanning technology to duplicate your design. Price and availability for bespoke panels are available on application

Height mm	Width mm	Thickness mm	Code
2440	1220	4	**185900201**

Glass Cleaning

Bond It Glass Cleaner

Litre	Code
1	**1859GC1**
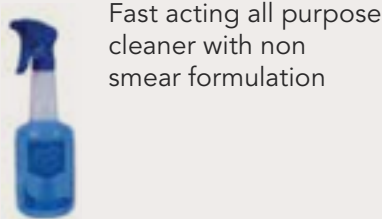
Fast acting all purpose cleaner with non smear formulation

FOR STAINLESS STEEL CLEANER SEE PAGE 92.

Micro Fibre Cloth

Colour	Size mm	Code
Yellow	**400 x 400**	**29MFC40**
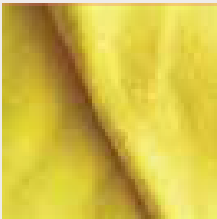
Pack of 10

Wedge-Loc™ System

Smil Channel

Tech

Features

» *Available in satin anodised & mill finish*

» *Stainless cladding not required*

» *Great value*

» *Quick to install*

» *Pre-drilled channel fixing holes*

» *Height to glass when packer fitted is 13mm*

» *Packer height 2mm*

	Grade 304		*Mild Steel*
	Grade 316		*Galvanised*
	Zamac		*Aluminium*
	Zinc		*Duplex 2205*
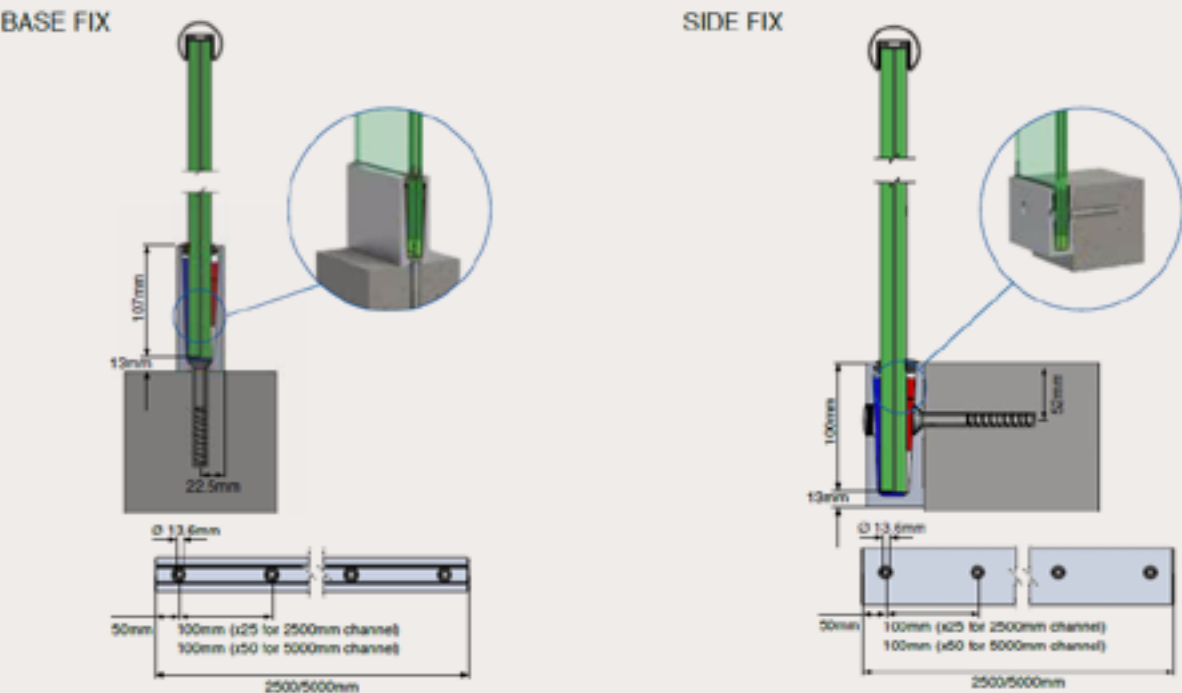
BASE FIX

SIDE FIX

Side Fix Channel

Glass Thickness [mm]	Length [m]	Height to Glass with Packer [mm]	Finish	Code
12 - 21.5	2.5	13	Satin Anodised	**1805440SSA**
12 - 21.5	5.0	13	Satin Anodised	**18054405SSA**

Fast acting all purpose cleaner with non smear formulationa Channel fixing holes are Ø 13.6mm at 100mm centres to suit a Ø 12mm bolt with a Ø 22mm countersunk head.
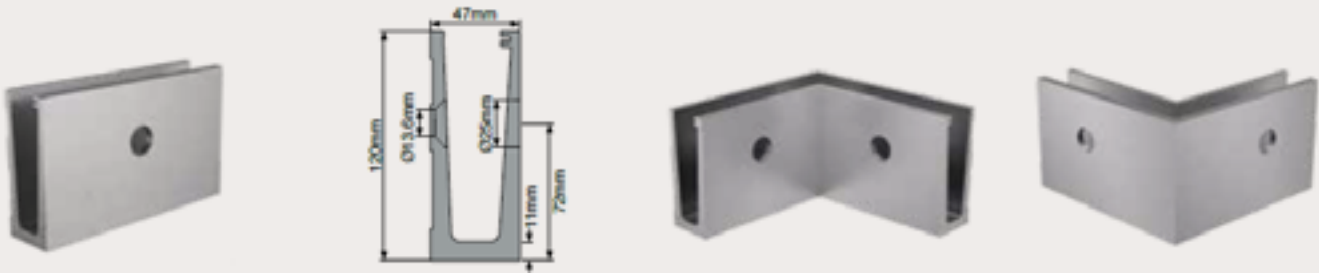
Internal 90° Corner

Finish	Code
Satin Anodised	**1805440SIC**

For use with side fix channel.
Inside length 155mm each side.
Outside length 200mm each side

External 90° Corner

Finish	Code
Satin Anodised	**1805440SEC**

For use with side fix channel.
Inside length 155mm each side.
Outside length 200mm each side.

Base Fix Channel

Glass thickness [mm]	Length [m]	Height to Glass with Packer [mm]	Finish	Code
12 - 21.5	2.5	13	Satin Anodised	**1805440BSA**
12 - 21.5	2.5	13	Mill Finish	**1805440BR**
12 - 21.5	5.0	13	Satin Anodised	**18054405BSA**
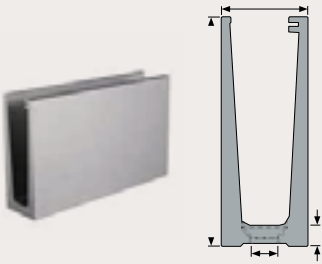
Internal 90° Corner

Material/Finish	Code
Satin Anodised	**1805440BIC**
Mill Finish	**1805440BICR**

For use with base fix channel.
Inside length 155mm each side.
Outside length 200mm each side.

External 90° Corner

Material/Finish	Code
Satin Anodised	**1805440BEC**
Mill Finish	**1805440BECR**

For use with base fix channel.
Inside length 155mm each side.
Outside length 200mm each side.

Base Plate

Material/Finish	Code
Mill Finish	**1805445R**

To side fix a base channel.

Underside Cladding

Material/Finish	Code
Satin Anodised	**1805443UC**

For use with base plate & base fix channel.

End Cap

Material/Finish	Code
Satin Anodised	**1805443EC**

For use with underside cladding

Underside Cladding

Material/Finish	Code
Stainless Steel	**1805442E**
Mill Finish	**1805442ER**

For use without cladding
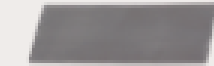
Wedge Set

Supplied with rubbers and wedges.
To suit 2.5m long channel.

Glass Thickness mm	Code
12.00 - 12.76	**180544112**
13.52	**180544113**
15.00	**180544115**
16.76	**180544116**
17.50	**180544117**
19.00	**180544119**
20.76	**180544120**
21.50	**180544121**

Wedge Insertion & Removal Tool

Code
180599001

Plug

Code
1805444PP

For side fix channel.
Plastic.

Concrete Screw

Size mm	Code
M10 x 100	**5002CCS10100**

Liveconfigurator™

Real Time Design
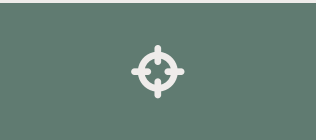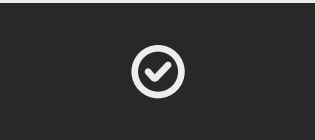
⊕	Configure to Your Specification	⊘	Eliminate Mistakes
✎	Accurate Drawings	⏱	Instant Quotes

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CREATE A FREE ACCOUNT TODAY!

» *Save time estimating your balustrade*

» *Get a very competitive quote within minutes*

» *A choice of styles, layouts, glass and components*

» *Receive 100% accurate CAD drawings, free of charge*

» *24/7 any day of the year Real time design*

» *Save hours of time drawing*

» *Impress customers with your fast response and ability to provide drawings*

Simple to use, Liveconfigurator™ will generate a quote for stainless steel and glass balustrade systems in minutes, at any time or any day. It will also provide a list of all the parts you need to complete your project almost instantly. If you prefer to speak to one of our staff you can request a call back.

- Get a quote in minutes
- Use 24/7 any day of the year
- You have a choice of systems
- Save hours of time drawing
- Automatically configure drawings to your dimensions
- Provide accurate, detailed layout drawings
- Ideal for anyone designing a glass balustrade
- Makes installation easier and faster

Wedge-Loc™ System

BASE FIX

- For installations under screed or decking subframes
- F profile allows flush fitting to the edge of your substrate
- Available in satin anodised finish
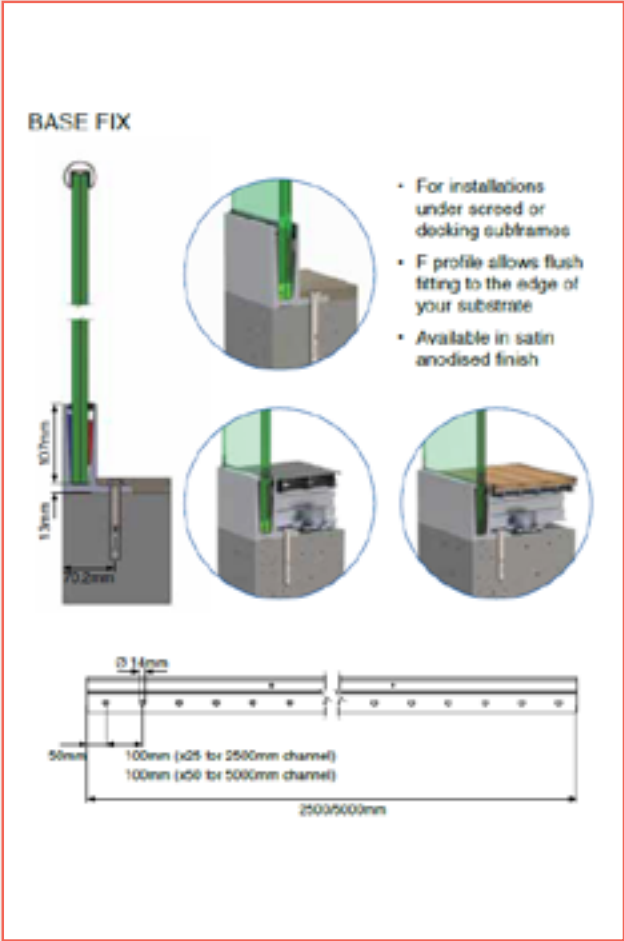
Base Fix Channel F Channel
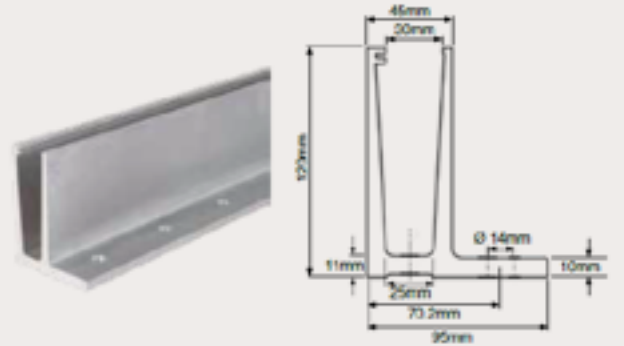
Glass Thickness [mm]	Length [m]	Code
12 - 21.5	2.5	1805570BSA
12 - 21.5	5.0	18055705BSA

Internal 90° Corner

Glass Thickness mm	Code
12 - 21.5	1805570BIC

For use with base fix channel

External 90° Corner

Glass Thickness mm	Code
12 - 21.5	1805570BEC

For use with base fix channel
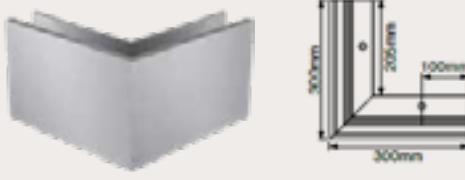
End Cap

Material/Finish	Code
Mill Finish	1805445R

Wedge Set

Supplied with rubbers and wedges.
To suit 2.5m long channel.

Glass Thickness mm	Code
12.00 - 12.76	180544112
13.52	180544113
15.00	180544115
16.76	180544116
17.50	180544117
19.00	180544119
20.76	180544120
21.50	180544121

Concrete Screw

Size mm	Code
M12 x 100	5002HCS12100

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Wedge-Loc™ System

Duo

Features

» *Adjustable grips to allow quick alignment of glass*

» *A fast and cost effective frameless glass solution*

» *Available in satin anodised and PPC black finish*

» *For installations up to 1.5kN in commercial applications*

» *+/-1° adjustment on glass*
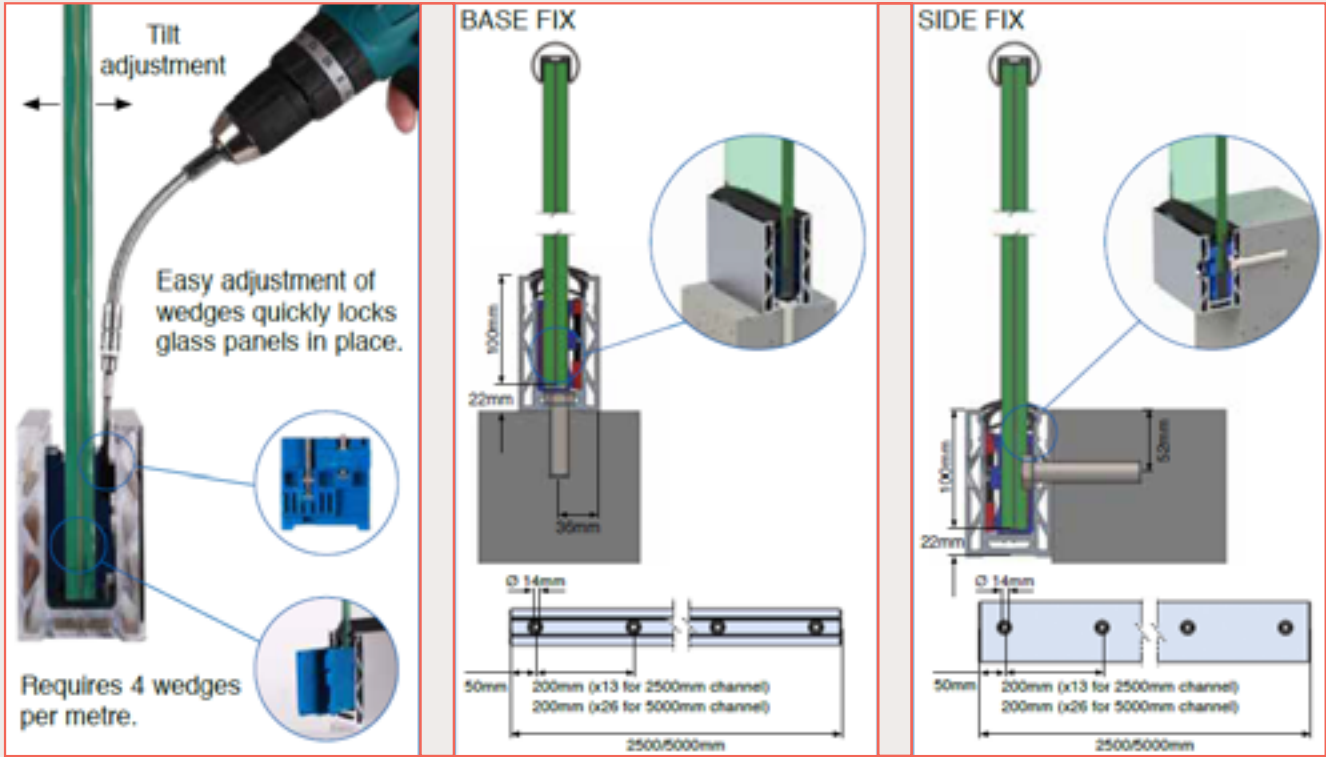
Base Fix Channel

Glass Thickness mm	Length m	Finish	Code
15 - 21.5	2.5	PPC Black	**180556025BB**
15 - 21.5	2.5	Satin Anodised	**180556025BSA**
15 - 21.5	5.0	PPC Black	**18055605BB**
15 - 21.5	5.0	Satin Anodised	**18055605BSA**

Channel fixing holes are Ø 14mm at 200mm centres to suit 12mm bolts. Height to glass with packer 22mm.
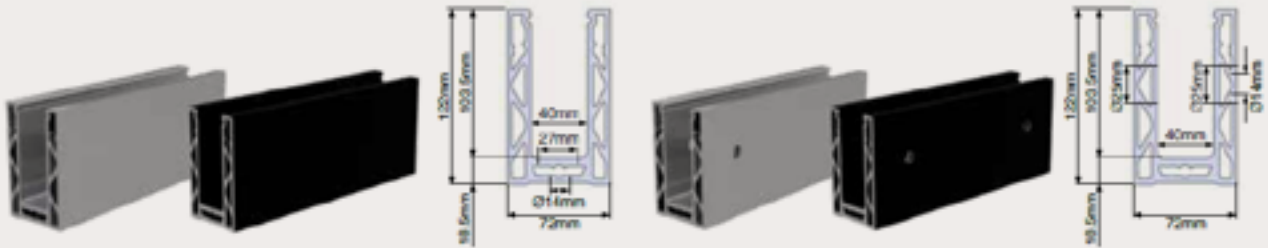
Side Fix Channel

Glass Thickness mm	Length m	Finish	Code
15 - 21.5	2.5	PPC Black	**180556025SB**
15 - 21.5	2.5	Satin Anodised	**180556025SSA**
15 - 21.5	5.0	PPC Black	**18055605SB**
15 - 21.5	5.0	Satin Anodised	**18055605SSA**

Channel fixing holes are Ø 14mm at 200mm centres to suit 12mm bolts. Height to glass with packer 22mm.

Internal 90° Corner

Finish	Code
Satin Anodised	1805560BIC
PPC Black	1805560BICB

For use with base fix channel

Internal 90° Corner

Finish	Code
Satin Anodised	1805560SIC
PPC Black	1805560SICB

For use with side fix channel

External 90° Corner

Finish	Code
Satin Anodised	1805560BEC
PPC Black	1805560BECB

For use with base fix channel

External 90° Corner

Finish	Code
Satin Anodised	1805560SEC
PPC Black	1805560SECB

For use with side fix channel

Cladding

Finish	Code
Satin Anodised	1805565S
PPC Black	1805565SB

For side fix channel

End Cap

Finish	Code
Satin Anodised	1805562
PPC Black	1805562B

For base & side fix channel

Plug

Finish	Code
Satin Anodised	1805565S
PPC Black	1805565SB

For side fix channel
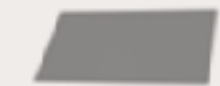
Connecting Pin

Code
1805569

For base & side fix channel

Adjustable Wedge Pack

Glass Thickness mm	Code
15.00	180556115
16.76 - 17.50	180556117
19.00	180556119
20.76 - 21.50	180556120

Includes rubber & wedges. Requires flexible hex bit, code: 1805566

Flexible Hex Bit

Code
1805566

Concrete Bolt

Size mm	Code
M12 x 100	5002HCS12100

Concrete Bolt

Length m	Code
50	1805453

High Strength Retainer Glue

ml	Code
50	1899007638

Attaches to a standard powerdriver for ease of tightening wedges.

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Tilt-Loc™ Channel

TL86 Series

Tech

Our top quality aluminium Tilt-LocTM System has a unique patented rotating pressure plate system which allows for fast easy installation of frameless glass.

Features

» *Satin anodised (Grade 6063 T6) Aluminium*

» *Up to 30mm tilt adjustment on glass*

» *Adjustment from inside the balcony*

» *All holes are pre-drilled and fixings can be concealed*

» *Suitable for glass from 12 - 25.52mm thickness*

» *Glass easily installed and aligned with a spanner*

Base Fix
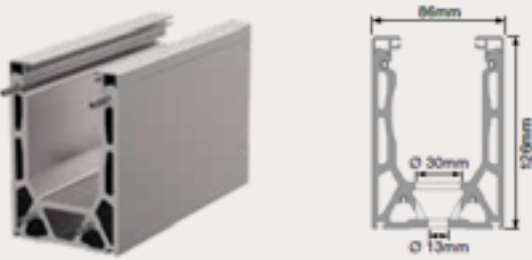
Side Fix
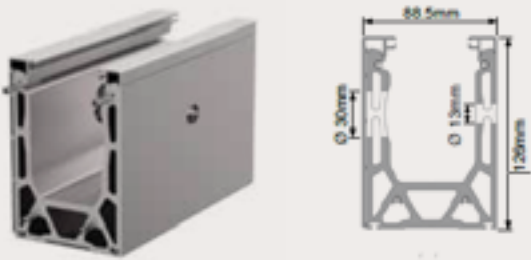
Tilt-Loc Adjustment Gives Perfect Alignment

Tilt adjustment

Adjustable grips

Up to 30mm tilt adjustment back and forward from inside the balcony.

EDPM dividing gasket to expel water and dirt.

Alignment pins x 2 included in channel kit.
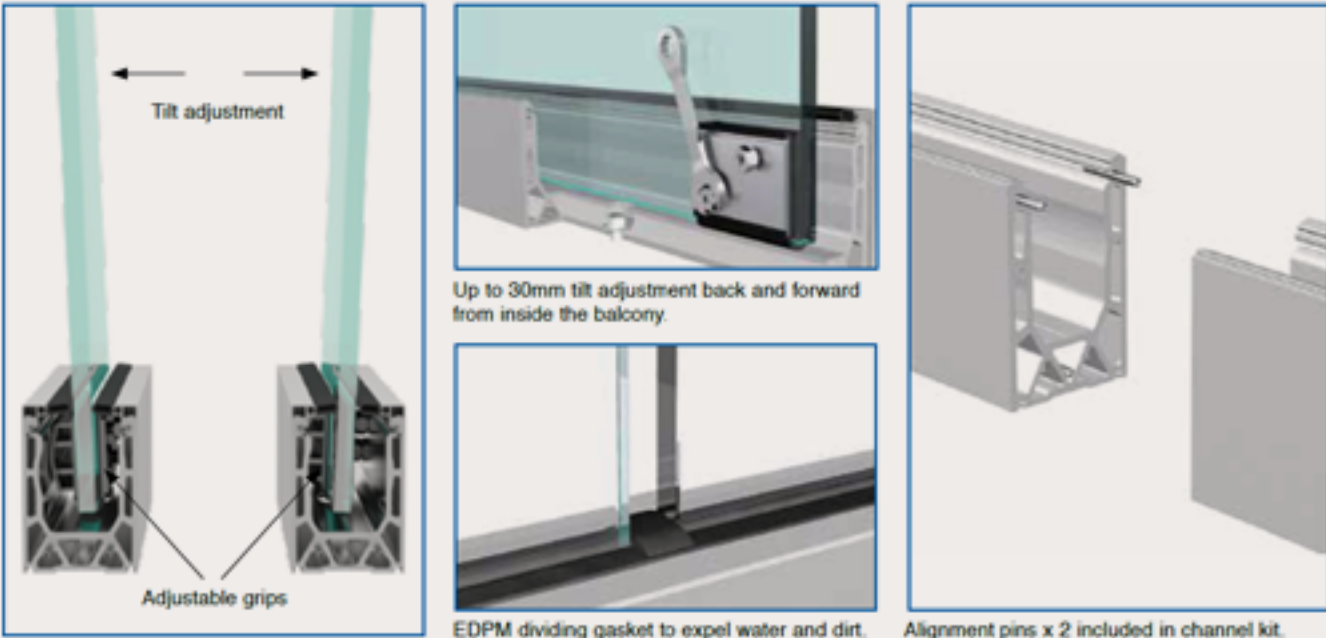
For glass loading guidelines visit our website.

Base Fix Channel

Glass Thickness mm	Length m	Code
12 - 25	3	1805540B

Supplied with 2 x top cladding and 2 alignment pins. Height to glass with packer 38mm.

Side Fix Channel

Glass Thickness mm	Length m	Code
12 - 25	3	1805540S

Supplied with 2 x top cladding and 2 alignment pins. Height to glass with packer 38mm.

Clamp Kit

Glass [mm]	Clamps Per Kit	Clamps Per m	Code
12.0	6	2	180554112
15.0	9	3	180554115
17.0	6	2	1805541175
19.0	9	3	180554119
21.0	9	3	180554125
25.0	6	2	180554125

Internal 90° Corner

Description	Code
Base-Fix	1805540BIC
Side-Fix	1805540SIC

For base & side fix channel
Inside length 64mm each side. Outside length 150mm each side

External 90° Corner

Description	Code
Base-Fix	1805540BEC
Side-Fix	1805540SEC

For base & side fix channel
Inside length 64mm each side. Outside length 150mm each side.

End Cap

Description	Code
Base-Fix	1805547B
Side-Fix	1805547S

For base & side fix channel
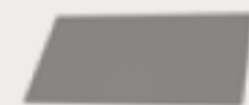
Concrete Bolt

Size mm	Code
M12 x 100	5002HCS12100

Self-Tapping
For fixing to cracked and non-cracked concrete

Top Rail Systems

» Systems to suit 8 - 21.50mm glass
» Anodised or stainless steel Grade 304 & 316
» Reduced visual impact
» No welding required
» Satin polish or mirror finish
» Choice of 8 profiles

Square Slim · Square Mini · Round Mini · Rectangular · Oval · Round · Mirror Finish Round · Aluminium Rectangular
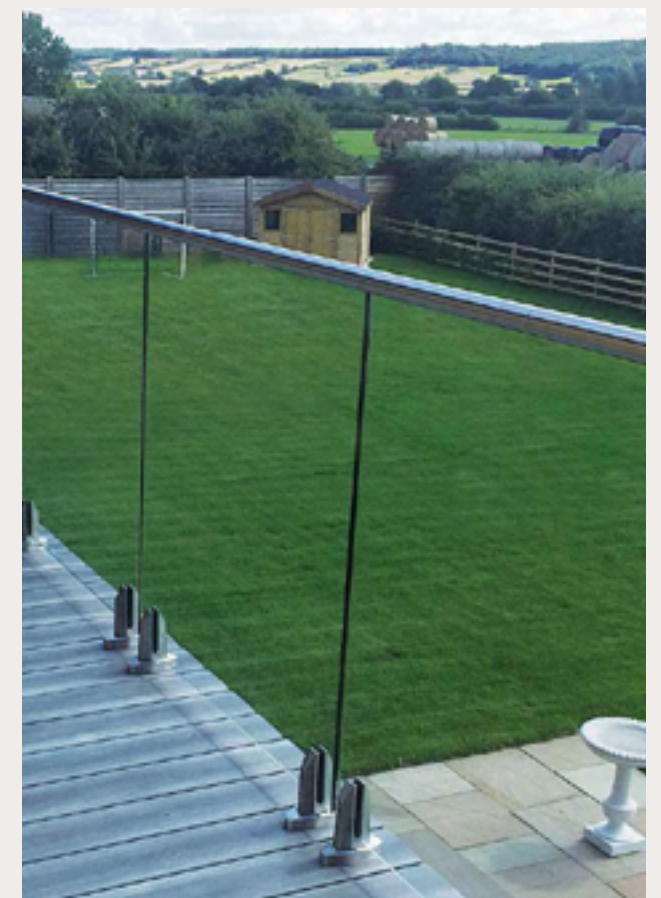
Square Slim Top Rail

Anodised Aluminium

To Suit Glass [mm]	Length [m]	(A) [mm]	(B) [mm]	Code
12.0	2.5	13	12.5	150501
15.0	2.5	13	15.5	150502
16.76 - 17.50	2.5	18	18.0	150503
19.0	2.5	18	19.5	150504
21.50	2.5	18	22.0	150505

Stainless Steel

To Suit Glass [mm]	Length [m]	(A) [mm]	(B) [mm]	Code
12.0	2.5	13	12.5	150601
15.0	2.5	13	15.5	150602
16.76 - 17.50	2.5	18	18.0	150603
19.0	2.5	18	19.5	150604
21.50	2.5	18	22.0	150605

Adhesives & Sealants

High Strength Retainer Glue

ml	Code
50	1899007638

For use with tube fittings

Adhesive Activator

ml	Code
150	18990087649

Reduces curing time when used with Loctite 638

Instant Adhesive

ml	Code
50	1899007454

Supplied with plunger and needle for accurate application. For use as thread lock adhesive

Loctite Silicone Sealant

Color	ml	Code
Clear	310	18990125366
Black	310	18990125368

Gives an all-round waterproof seal

Silicone Sealant

Color	ml	Code
Clear	310	189901201
Black	310	189901202

Gives an all-round waterproof seal

Sealant Gun

Code
189900666

Alluminium Top Rail System

- » *Designed for 8 - 21.5mm glass with rubber gasket*
- » *No welding required*
- » *Reduced visual impact of top rail*
- » *Connectors simply slide into the top rail for a neat joint*
- » *Flush fit fittings*
- » *All products are satin anodised aluminium*

2mm
24mm
24mm
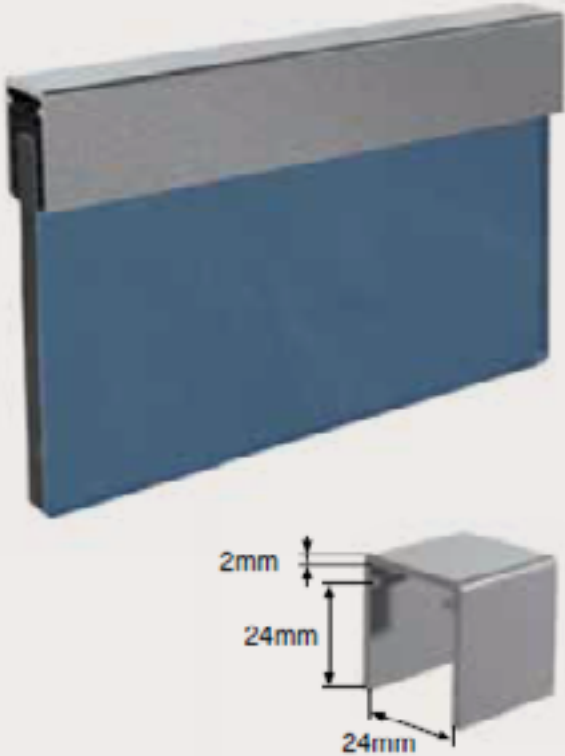
Top Rail

Length m	Code
3	1505063

Internal Connector

Length mm	Code
100	150506412

End Cap

Code
15050641290

For our range of glass panels see pages 10, 11 & 37.

90° Top Rail

Code
150506411

Inside length 342mm each side.
Outside length 370mm each side.

90° Corner Internal Connector

Code
15050641290

Inside length 76.5mm each side.
Outside length 100mm each side.

Gasket

To Suit Glass mm	Length m	Code
8 - 11	1	189903811C
11.5 - 13.5	1	189903115135C
15	1	18990315C
16 - 17.5	1	18990316175C
19	1	18990319C
20 - 21.5	1	18990320215C
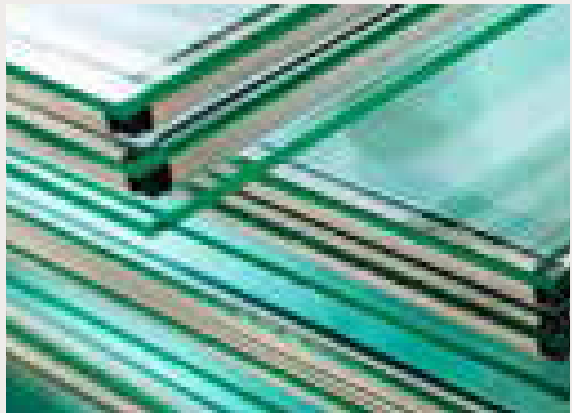
Square Mini Top Rail System

25mm x 21mm Profile

Features

» *Designed for 10 - 12mm glass with rubber gasket*

» *No welding required*

» *Reduced visual impact of top rail*

» *Straight joiner slides into the top rail for a neat joint*

» *Flush fit fittings*

» *All products are satin polish finish stainless steel Grade 316*

6mm
13.7mm
14.2mm
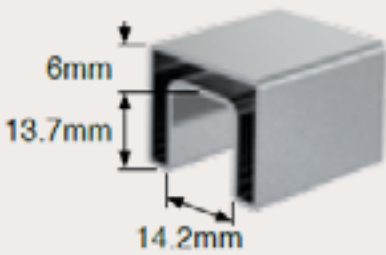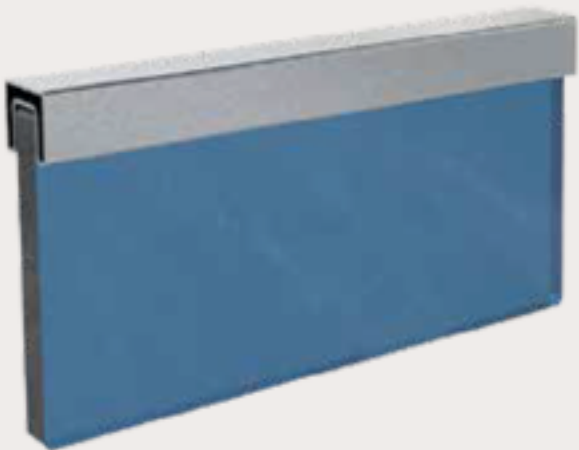
Split Tube

Length [m]	Code
3.0	18067053S25
5.8	1806705S25

Gasket

To Suit Glass mm	Length m	Code
10	1	1899031010
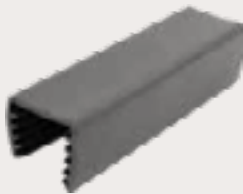
Rubber.

Gasket

To Suit Glass mm	Length m	Code
12	1	1899031012

Rubber.

Adjustable Corner

Code
1806418S25

90° Joiner

Code
1806411S25

Adjustable Joiner

Code
1806416S25

End Cap

Code
1806413S25

Wall Bracket
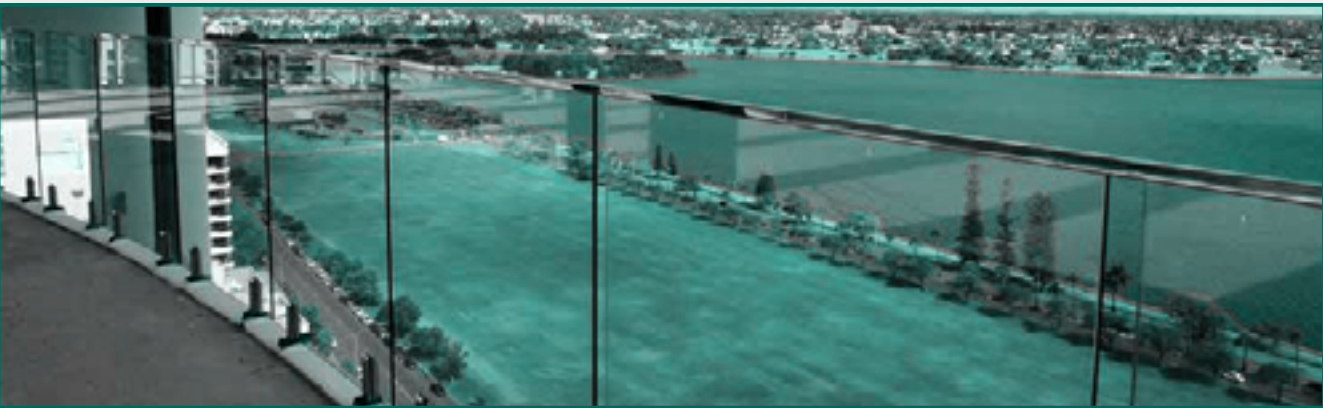
Code
1806415S25

Joiner

Code
1806412S25

Round Mini Top Rail System

Ø 25mm Profile

Features

» *Designed for 10 - 12mm glass with rubber gasket*

» *No welding required*

» *Reduced visual impact of top rail*

» *Straight joiner slides into the top rail for a neat joint*

» *Flush fit fittings*

» *All products are satin polish finish stainless steel Grade 316*

Split Tube

Length m	Code
3.0	18067053A
5.8	1806705A

Gasket

To Suit Glass mm	Length m	Code
10	1	1899031010

Rubber.

Gasket

To Suit Glass mm	Length m	Code
12	1	1899031012

Rubber.

90° Joiner

Code
1806411S25

Adjustable Corner

Code
1806418S25

Adjustable Joiner

Code
1806416S25

End Cap

Code
1806413S25

Wall Bracket

Code
1806415S25

Joiner

Code
1806412S25

Round Top Rail Sys.

Ø 42.4 & 48.3mm Profiles

Round top rail system offers a stylish solution to the top of any glass balustrade and also provides a visual break. We can shape to match if you're planning radiused glass in your design.

Split Tube

Ø [mm]	3m Lenght Code	6m Length Code
42.4	18047053C	1804705C
48.3	18047053D	1804705D
42.4	18067053C	1806705C
48.3	18067053D	1806705D
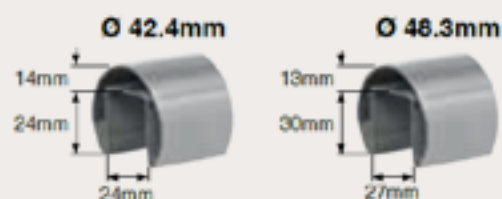
Gasket

To Suit Glass [mm]	Ø 42.4mm Code	Ø 48.3mm Code
8 - 11	189903811C	189903811D
11.5 - 13.5	189903115135C	189903115135D
15	18990315C	18990315D
16 - 17.5	18990316175C	18990316175D
19	18990319C	18990319D
20 - 21.5	18990320215C	18990320215D

90° Horizontal Corner

Ø mm	Code
42.4	1804411C
48.3	1804411D
42.4	1806411C
48.3	1806411D

Adjustable Corner

Ø mm	Code
42.4	1806418C

25 - 55° Downwards Adjustable Connector

Ø mm	Code
42.4	1804416C
48.3	1804416D
42.4	1806416C
48.3	1806416D

25 - 55° Upwards Adjustable Connector

Ø mm	Code
42.4	1804417C
48.3	1804417D
42.4	1806417C
48.3	1806417D

90° Vertical Corner

Ø mm	Code
42.4	1804410C
48.3	1804410D
42.4	1806410C
48.3	1806410D

End Cap

Ø mm	Code
42.4	1804413C
48.3	1804413D
42.4	1806413C
48.3	1806413D

Wall / Floor Flange

Ø mm	Code
42.4	1804415C
48.3	1804415D
42.4	1806415C
48.3	1806415D

Tube Adaptor

Ø mm	Code
42.4	1804414C
48.3	1804414D
48.3	1806414D
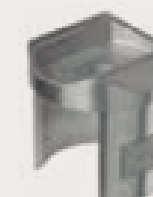
In-line Connector

Ø mm	Code
42.4	1804412C
48.3	1804412D
42.4	1806412C
48.3	1806412D

Rectangular Top Rail System

40mm x 30mm Profile

Features

» *Designed for 8 - 21.5mm glass with rubber gasket*

» *No welding required*

» *Joiner simply slides into the top rail for a neat joint*

» *Flush fit fittings*

» *Split tube is stainless steel Grade 316 with a satin polish finish*

» *Components are Duplex 2205 with a satin polish finish*

Split Tube

Length m	Code
3	180670534030
6	18067054030
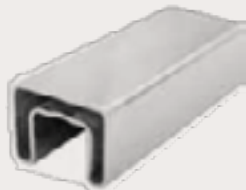
Gasket

To Suit Glass mm	Length m	Code
8 - 11	1	189903811C
11.5 - 13.5	1	189903115135C
15	1	18990315C

Rubber.

Gasket

To Suit Glass mm	Length m	Code
16 - 17.5	1	18990316175C
19	1	18990319C
20 - 21.5	1	18990320215C

Rubber.

90° Joiner

Code
18224114030

Adjustable Corner

Code
18224184030

Adjustable Joiner

Code
18224164030

End Cap

Code
18224134030

Wall Bracket

Code
18224154030

Joiner

Code
18224124030

Oval Top Rail System

60mm x 30mm Profile

Features

» *Designed for 8 - 21.5mm glass with rubber gasket*

» *No welding required*

» *Joiner simply slides into the top rail for a neat joint*

» *Flush fit fittings*

» *Split tube is stainless steel Grade 316 with a satin polish finish*

» *Components are Duplex 2205 with a satin polish finish*

Split Tube

Length m	Code
3	180670536030
6	18067056030
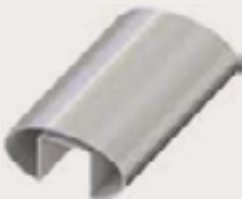
Gasket

To Suit Glass mm	Length m	Code
8 - 11	1	189903811C
11.5 - 13.5	1	189903115135C
15	1	18990315C

Rubber.

Gasket

To Suit Glass mm	Length m	Code
16 - 17.5	1	18990316175C
19	1	18990319C
20 - 21.5	1	18990320215C

Rubber.

90° Joiner

Code
18224116030

Adjustable Corner

Code
18224186030

Adjustable Joiner

Code
18224166030

End Cap

Code
18224136030

Wall Bracket

Code
18224156030

Joiner

Code
18224126030

Marano®

Edge & Curve

MARANO®

2 stunning designs!

Tech

Marano® Edge and Curve are a range of innovative railing systems designed to be fully modular. The pre-assembled aluminium posts have a stunning satin anodised finish and are available in square and round profiles ready to install. Fully engineered to meet the requirements of most applications, the systems can be installed with or without a top rail to provide an economical solution for a post and glass panel design. Each system can be fully fitted using basic equipment

Features

- » *Fully assembled posts*
- » *Aluminium & satin anodised finish*
- » *To suit 10 mm glass*
- » *Suitable for indoor & outdoor installations*

- » *Quick, safe & easy installation*
- » *Gap between handrail & glass is 80mm*
- » *Bottom edge of glass to floor is 90mm*
- » *Tested to 1.2m posts centres*
- » *Posts available in bolt-down & side-fix*
- » *Posts are supplied complete*

Square Posts With Handrail

Railing Height 1125 mm

- Glass panel is H 930 x W 1174mm

Square Posts Without Handrail

Post Height to 1100 mm

- Glass panel is H 1010 x W 1174mm
- You will need to buy blanking caps or notched post caps to suit design

Now Available In 3 New Colours

- Anthracite RAL 7016
- Black RAL 9005
- White RAL 9010

When using standard glass width 1174mm you will have approximately 13mm between post centre and glass for ease of installation.
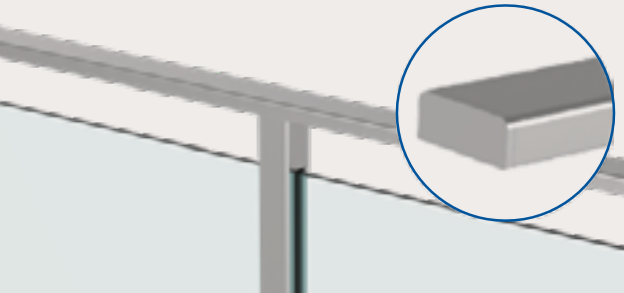
Image shows a square post using a rectangular handrail.
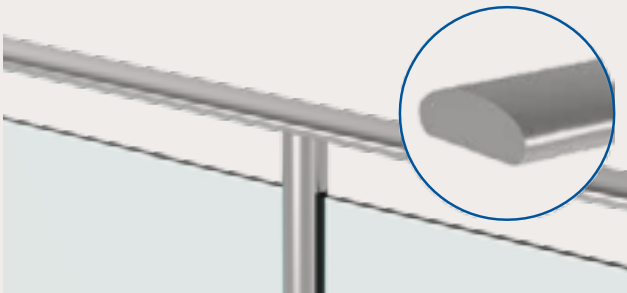
Image shows a round post using an oval handrail.

Rectangular & oval handrails can be used with both square & round posts. For handrails see page 31.

Marano®

Edge & Curve

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

How To Tackle Corners

Mitred Cut Without Post
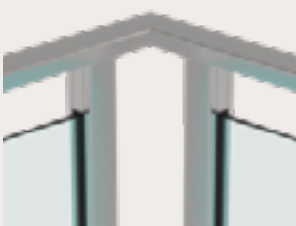
Mitred Cut With Post

How To Tackle Gradients

Mitred Cut Handrail

Mitred Cut Post
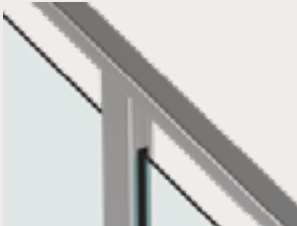
Fitting Glass

Fitting glass is easy with our 4 step guide.

Fit back rubber to the post.

Slide glass in from the top between posts.

Fit glass retaining rubber, top packer & infill.

Fit the handrail (using the location jig, see pages, 30 & 32). Slide on the handrail under-cap and top handrail.

When fitting glass make sure the back rubber is fitted to the post, then install retaining rubber once glass is in place.

Installation guide & video are available on our website.

Post Height

- Posts can be cut down if a shorter height is needed
- Capping will slide back in to give 80mm gap from glass to rail
- Allows 8 - 10° glass angle each side with rubbers

Spray soapy water on rubbers to help slide glass into rubber locators.

Glass panels on page 33.

Marano® Edge & Posts

BOLT-DOWN END

BOLT-DOWN MID

BOLT-DOWN CORNER

ALSO AVAILABLE IN BLACK, WHITE & ANTHRACITE

Ø 15mm

90mm

101mm
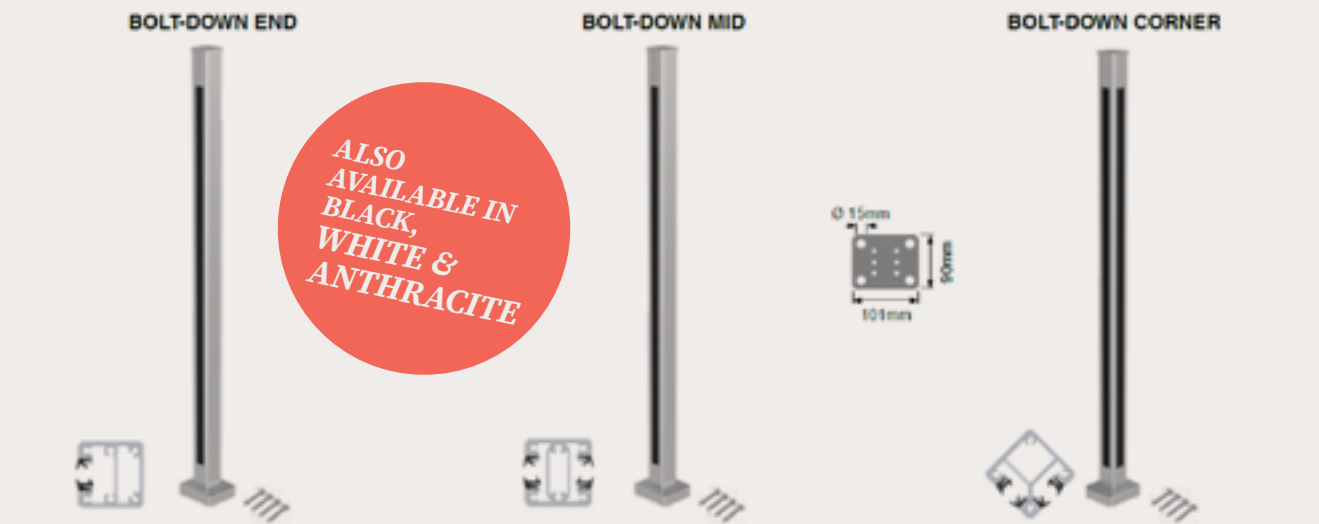
Height mm	mm	Code
1000	50	6805791S501000

Supplied with packers, rubbers, handrail screws and base plate cover.

Height mm	mm	Code
1000	50	6805792S501000

Supplied with packers, rubbers, handrail screws and base plate cover.

Height mm	mm	Code
1000	50	6805793S501000

Supplied with packers, rubbers, handrail screws and base plate cover.

SIDE-FIX END

SIDE-FIX MID

SIDE-FIX CORNER

ALSO AVAILABLE IN BLACK, WHITE & ANTHRACITE

Fixing holes Ø 13mm. Supplied with packers, rubbers for 10.76mm glass, 2 x infills, 1 x base cover, handrail screws and 2 x M12 x 120mm fixing screws, nuts and washers.

Fixing holes Ø 13mm. Supplied with packers, rubbers for 10.76mm glass, 2 x infills, 1 x base cover, handrail screws and 2 x M12 x 120mm fixing screws, nuts and washers

Fixing holes Ø 13mm. Supplied with packers, rubbers to suit 10.76mm glass, 4 x infills, 1 x base cover, handrail screws and 2 x side-fix brackets

Height mm	mm	Code
1200	50	6805794S501200

Height mm	mm	Code
1200	50	6805794S501200

Height mm	mm	Code
1200	50	6805794S501200

End

Code
6805BCES50

Mid

Code
6805BCMS50

Corner

Code
6805BCCS50

End Cap

Code
6805ECES50

Mid Cap

Code
6805ECMS50

Corner Cap

Code
6805ECCS50

Handrail/Post Location Jigs

End / Mid Jig

Code
6899732J

For drilling through handrail. Plastic.

Corner Jig

Code
6899733J

For drilling through handrail. Plastic.
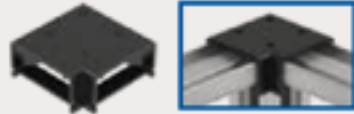
Bracket

90° Corner

Code
680525350

For use with side-fix posts. Supplied with screws.

Grade 304		*Mild Steel*
Grade 316		*Galvanised*
Zamac		*Aluminium*
Zinc		*Duplex 2205*

Marano® Accessories

Handrails

Rectangular Handrail

Length m	mm	Code
3.0	62 x 25	680570536225
5.8	60 x 25	68057056225

Oval Handrail

Length m	mm	Code
3.0	72 x 27	680570537227
5.8	72 x 27	68057057227
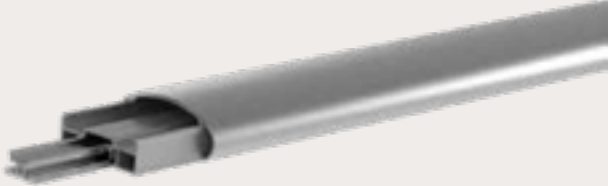
Handrail Connectors

In-Line Connector

Code
6805412i

For rectangular & oval handrails.
Internal fix. Supplied with four screws.

90º Corner Connector

Code
6805411i

For rectangular & oval handrails.
Internal fix. Supplied with four screws.

Adjustable Handrail Joiners

Vertical - 35° Up/80° Down

Code
68054166225

For use with rectangular handrail.
Supplied with four screws.

Horizontal +/- 80°

Code
68054186225

For use with rectangular handrail.
Supplied with two screws.

Vertical - 35° Up/80° Down

Code
68054166225

For use with oval handrail.
Supplied with four screws.

Horizontal +/- 80°

Code
68054186225

For use with oval handrail.
Supplied with four screws.

Handrail End Caps

End Cap

Code
68054136225

For use with rectangular handrail.
Supplied with four screws.

Wall Bracket

Code
68054156225

For use with rectangular handrail.
Supplied with two screws.

End Cap

Code
68054137227

For use with oval handrail.
Supplied with four screws.

Wall Bracket

Code
68054157227

For use with oval handrail.
Supplied with two screws.

Product	Code
Rubber gasket set to suit 8.76mm glass H 6000mm	68RG6000876
Rubber gasket set to suit 10.76mm glass H 6000mm	68RG60001076
Eraser for cleaning marks and scratches on anodising	6899AE01
Assembly tool. For rubber sealing strips	6899RR01

For corners with no post use a 90° corner connector to strengthen the handrail.

If no handrail is required, 1100mm rubbers will need to be ordered.

Marano® Make Your Own Posts

Edge

Create your own posts, for any height, using our individual components below.

ALSO AVAILABLE IN BLACK, WHITE & ANTHRACITE
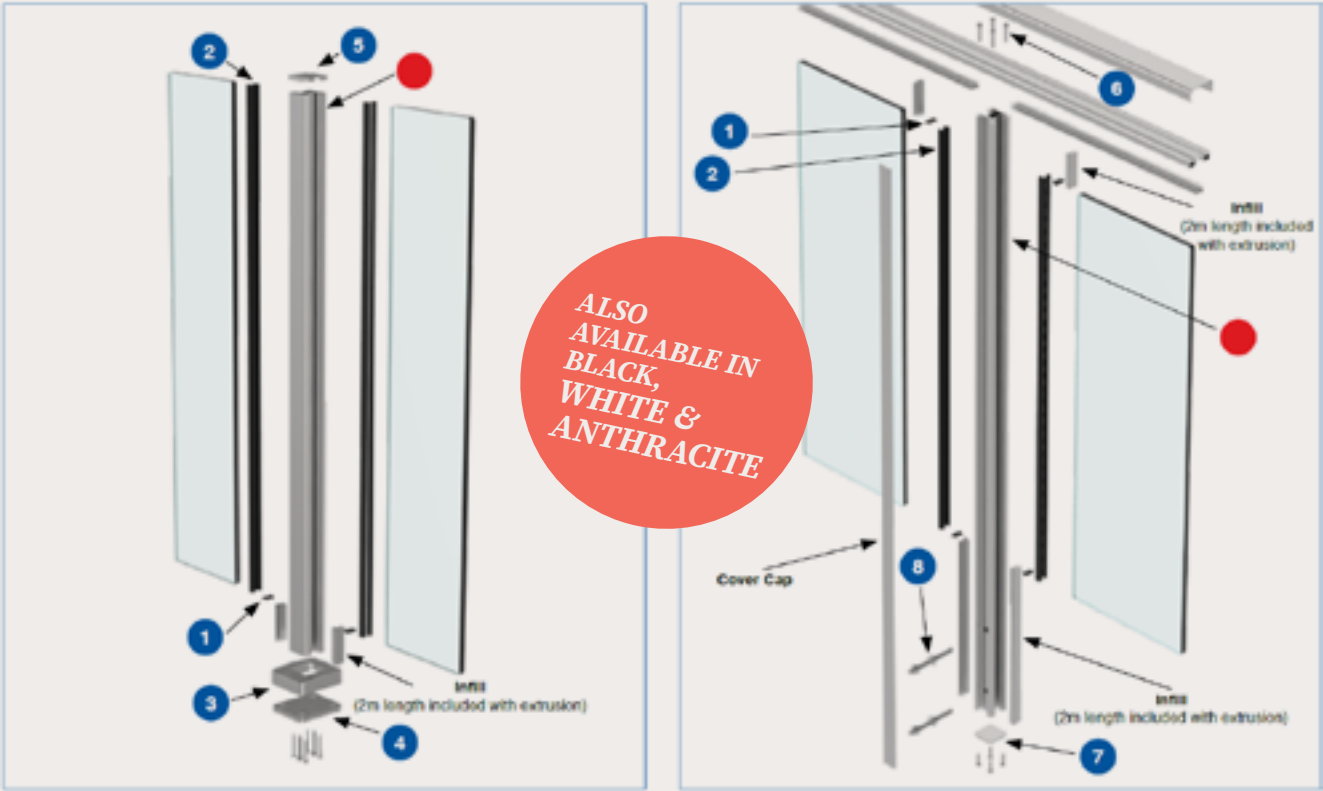
Cut To Size Bolt-Down Extrusion

Post	Height m	mm	Code
End	6	50	6805691S50
Mid	6	50	6805692S50
Corner	6	50	6805693S50

Supplied with 2m infill. Please order rubber gaskets separately.
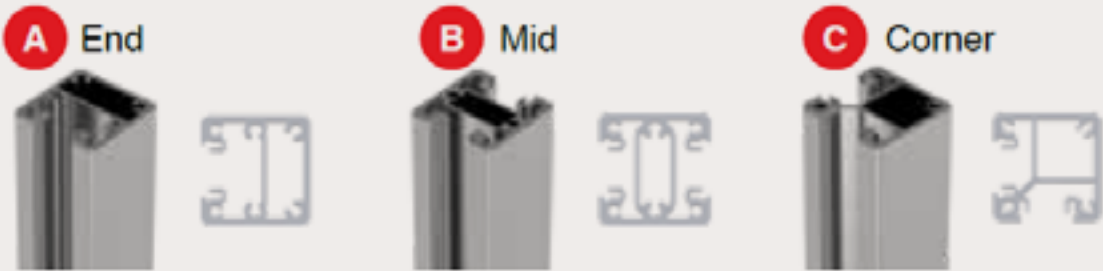
Cut To Size Side-Fix Extrusion

Post	Height m	mm	Code
End	6	50	6805694S50
Mid	6	50	6805695S50

Supplied with 2m infill and 6m cover cap. Please order rubber gaskets separately.

2 m blanking strip supplied with all posts.

Choose from the components below to suit your exact requirements.

Packers

Code
68PP01

Pack of 10. Plastic.

Oval Handrail

Length m	Code
1.1	68RG1100
6.0	68RG6000

S old in pairs, 1 x back rubber & 1 x glass retaining rubber.

Cover Plate

Code
680520850

Use with bolt-down base plate.
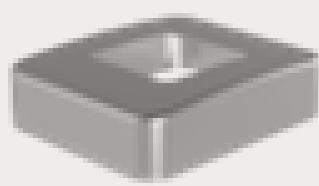
Post Cap

Code
6805PC01

Post Base Cover

Code
6805PBC01

Use with side-fix posts.
Supplied with 4 fixings.

	Grade 304
	Grade 316
	Zamac
	Zinc

Base Plate

Code
680520750

Use with bolt-down posts.
Supplied with 6 fixings to attach to extrusion

Top Rail Fixings

Code
68HF01

Pack of 4. For attaching handrail to post

Post Fixings

Code
68PF01

Use with side-fix posts.
Sold in pairs.

	Mild Steel
	Galvanised
	Aluminium
	Duplex 2205

Marano®

Curve

BOLT-DOWN END

Height mm	Ø mm	Code
1100	54	6805791R54

Supplied with post caps, packers, rubbers, handrail screws and base plate cover.

BOLT-DOWN MID

Height mm	Ø mm	Code
1100	54	6805792R54

Supplied with post caps, packers, rubbers, handrail screws and base plate cover.

BOLT-DOWN CORNER

Height mm	Ø mm	Code
1100	54	6805793R54

Supplied with post caps, packers, rubbers, handrail screws and base plate cover.

Base Plate Cover

Code
680520854

To suit Ø 54mm round post.

Clear Float Toughened Glass Panel

Height mm	Width mm	Code
1010	1174	18551010101174

For use without handrail

Clear Float Toughened Glass Panel

Height mm	Width mm	Code
930	1174	1855109301174

For use with Marano top rails

Handrail/Post Location Jigs

End/Mid Jig

Code
6899732J54

For drilling through handrail. Plastic.
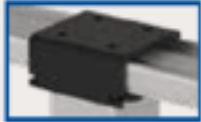
Corner Jig

Code
6899733J54

For drilling through handrail. Plastic.

Concrete Bolt

Size mm	Code
M12 x 100	5002HCS12100

Self-tapping. For cracked and non-cracked concrete.

CE

Pre-Assembled Posts

PRO-RAILING
The Stainless Steel Handrail Component System

HANDRAILING MADE EASY! MORE DESIGNS - MORE OPTIONS STRAIGHT OUT THE BOX AND READY TO INSTALL

Save a huge amount of time and money with our extensive range of pre-assembled posts, supplied from stock. They are all tested to BS 6180. No drilling of tubes, no bolting on of glass clamps and no welding of base plates required. We've done the work for you!
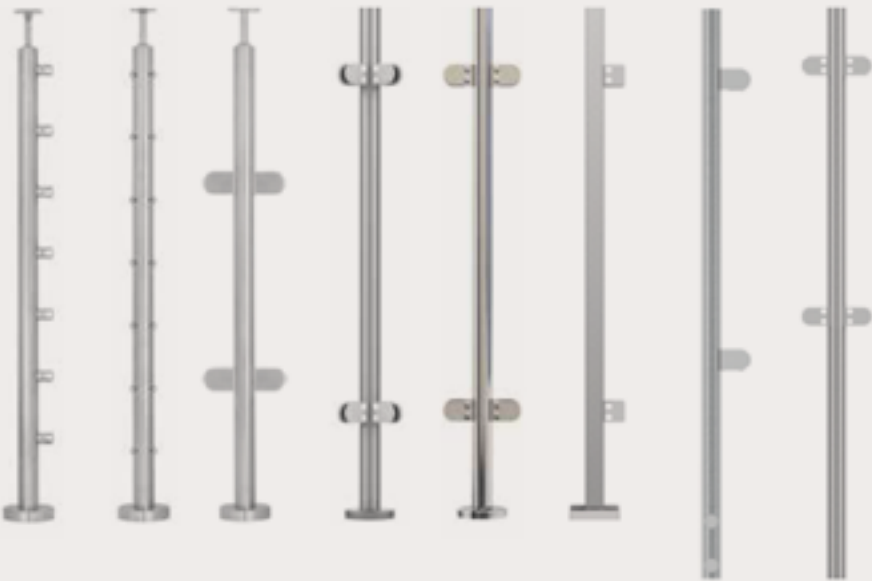
Straight out of the box and ready to install:

- Ø 42.4 & 48.3mm round posts
- 40 x 40mm square posts
- Strand wire rope posts
- Crossbar holder posts
- Satin & mirror polish
- Stainless steel Grade 304 & 316

Standard Glass Panels

We stock a large range of widths of 10mm toughened glass panels in 100mm increments to make your installations even quicker, easier and more cost effective. See page 37 for our full range.

1100mm   700mm   500mm
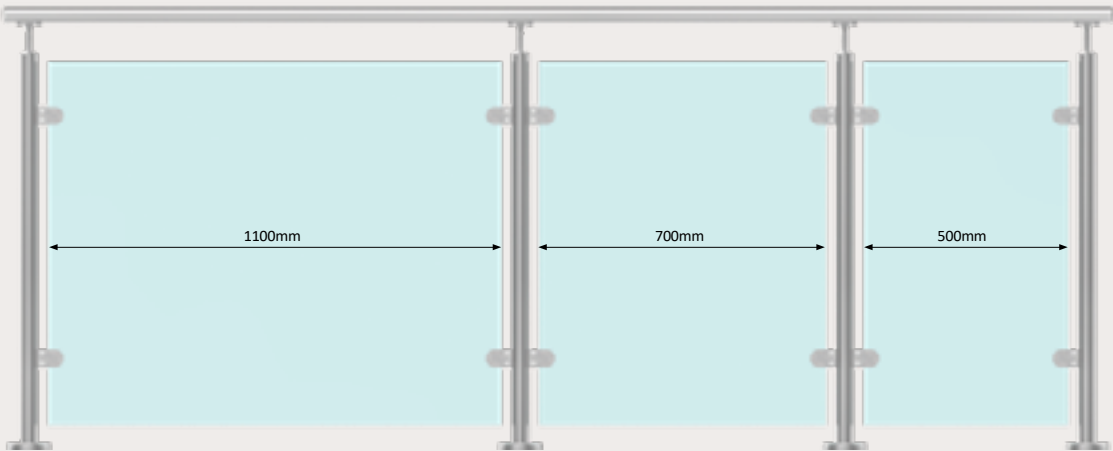
Pre-Assembled Posts

Choose Your Own Post Top

Our pre-assembled glass clamp posts are supplied without a saddle or post cap, so you can choose the exact design to suit your requirement. The choice of tops available allows you to pick and mix from a huge range of options that will allow you to end up with your very own bespoke solution.

Here are some useful dimensions to help design your installation.
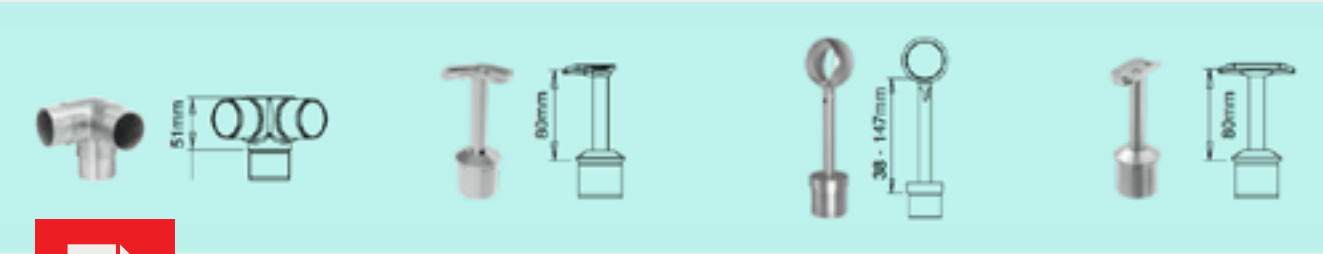
Tech

All our posts are designed to give an installation height of 1100mm or more.

For full technical drawings visit our website. If you don't see what you need please ask.

Welded base fitting complete with rubber 'O' ring and cover

Welded base fitting complete with cover.

Glass clamp for 10mm glass (8 and 12mm rubbers available).

Variable fixing bolt.

O 42.4mm POSTS

42mm   44.2mm

O 48.3mm POSTS

44.95mm   42.2mm

40 x 40mm POSTS

40mm   25mm
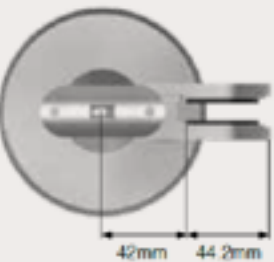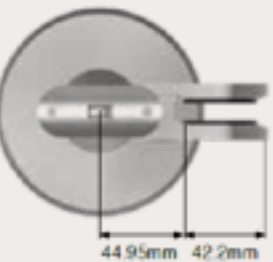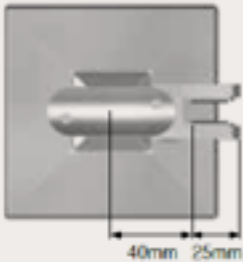
Timeless - stainless steel posts and glass panels with handrail

Our Timeless post systems that use 10mm glass panels and have a top rail, are all tested to BS6180 loading requirements.

Contemplation – stainless steel posts and glass panels without handrail

Our Contemplation post systems that use 10mm glass panels and have no top rail, will not pass BS6180 loading requirements and should therefore only be used as demarcation, or in areas where the fall is not more than 600mm.

For our standard stocked glass panels see pages 10 & 37.

Made To Order Glass
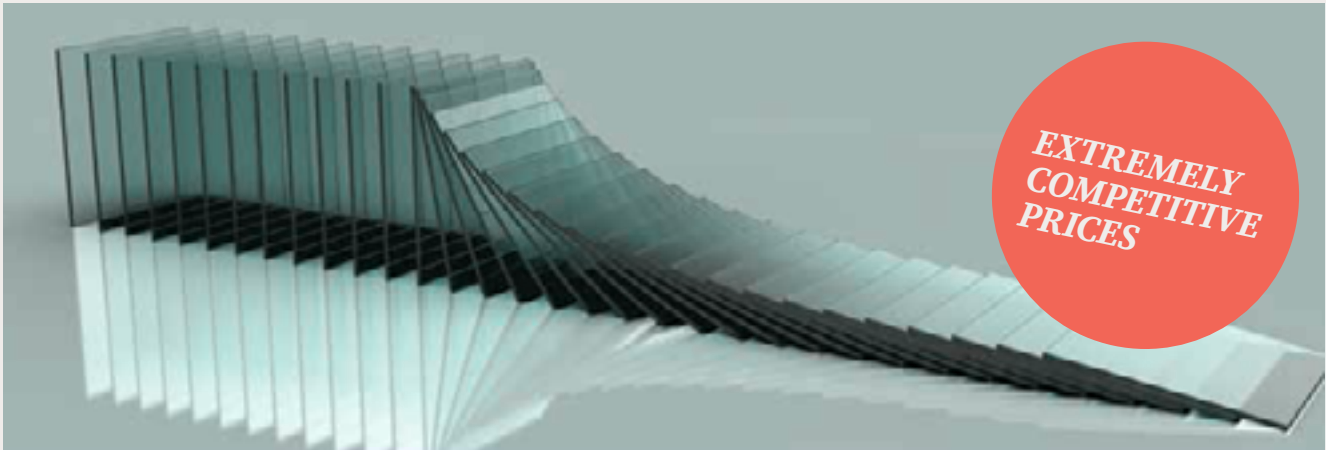
Square metre panels

EXTREMELY COMPETITIVE PRICES

Our custom sized per square metre glass panels are polished on all edges and come with docked corners for safety and aesthetic reasons. Glass can be supplied with radiused corners, shaped, with cut-outs and drilled at extra cost. A range of coloured glass, etched glass and self-clean coating is also available. The current meterage rates can be checked online using the following codes and we can then prepare a detailed quote to meet your exact requirements. You will need to add 30% to the meterage price for shapes and cut-outs.

Consult with local building authorities and structural engineers to ensure correct glass specifications and fixings are used to achieve the required loadings. Where possible we have tested our systems and individual test reports are available online. For further information on the classification of building occupancy & glass loadings, visit our website.

Toughened Glass

Thickness mm	Code
8	185508M
10	185510M
12	185512M
15	185515M
19	185519M
25	185525M

Toughened Laminated Glass
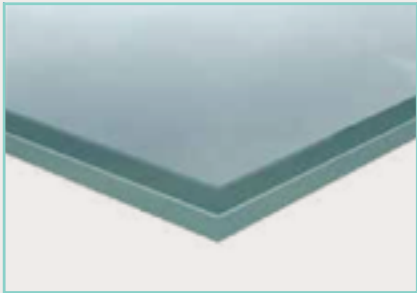
Thickness mm	Code
11.52	1856115M
13.52	1856135M
17.50	1856175M
21.50	1856215M
25.50	1856255M

Sentryglas®

Ionoplast interlayer toughened glass
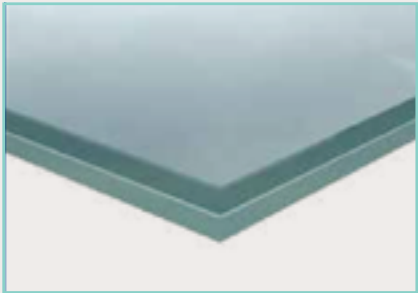
Thickness mm	Code
12.89	18571289M
16.89	18571689M
20.89	18572089M
25.50	1857255M

Up to 5 times stronger and 100 times stiffer than conventional interlayers

Templating Sheets
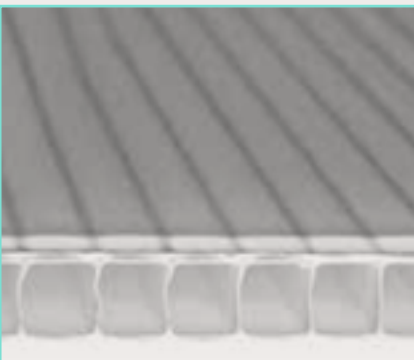
We can provide suitable templating material that can be cut to suit any special shapes on site. This is sent to our factory for production to match the template exactly, using modern imaging scanning technology to duplicate your design. Price and availability for bespoke panels are available on application.

Height mm	Width mm	Thickness mm	Code
2440	1220	4	185900201
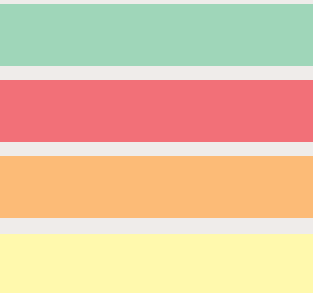
For up to date prices on bespoke sizes, holes or shapes contact us now.

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205
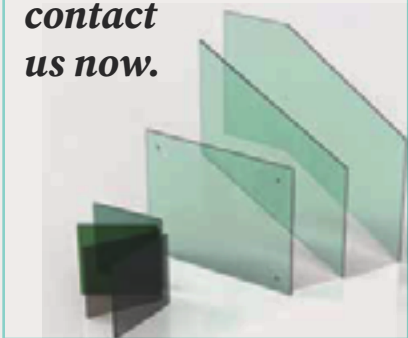
Standard Glass Panels

Standard Glass Panels For Timeless & Contemplation Pre-Assembled Posts

Timeless - Round Posts
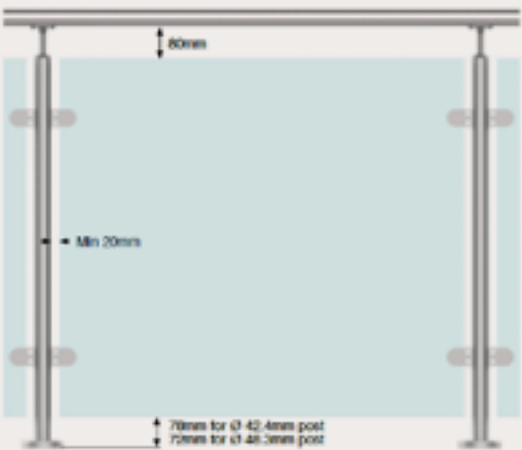
Timeless - Square Posts
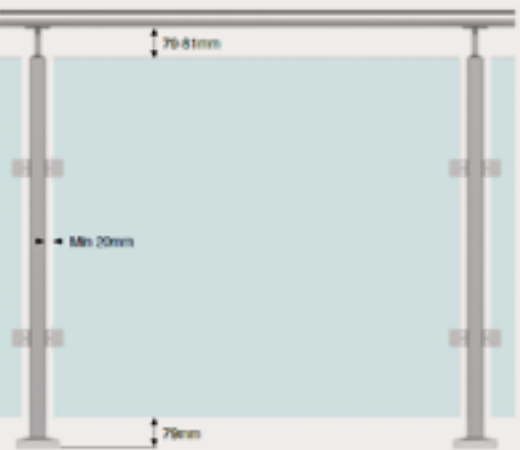
Timeless - Glass Panels

Thickness [mm]	Height [mm]	Width [mm]	Minimum* Post Centres For			Code
			Ø 42.4mm Post	Ø 48.3mm Post	40mm Post	
10	900	100	184	190	190	185510100900
10	900	200	284	290	290	185510200900
10	900	300	384	390	390	185510300900
10	900	400	484	490	490	185510400900
10	900	500	584	590	590	185510500900
10	900	600	684	690	690	185510600900
10	900	700	784	790	790	185510700900
10	900	800	884	890	890	185510800900
10	900	900	984	990	990	185510900900
10	900	1000	1084	1090	1090	1855101000900
10	900	1100	1184	1190	1190	1855101100900

Minimum only applies to round posts, square posts are fixed centres.

Contemplation - Round Posts

Contemplation - Square Posts
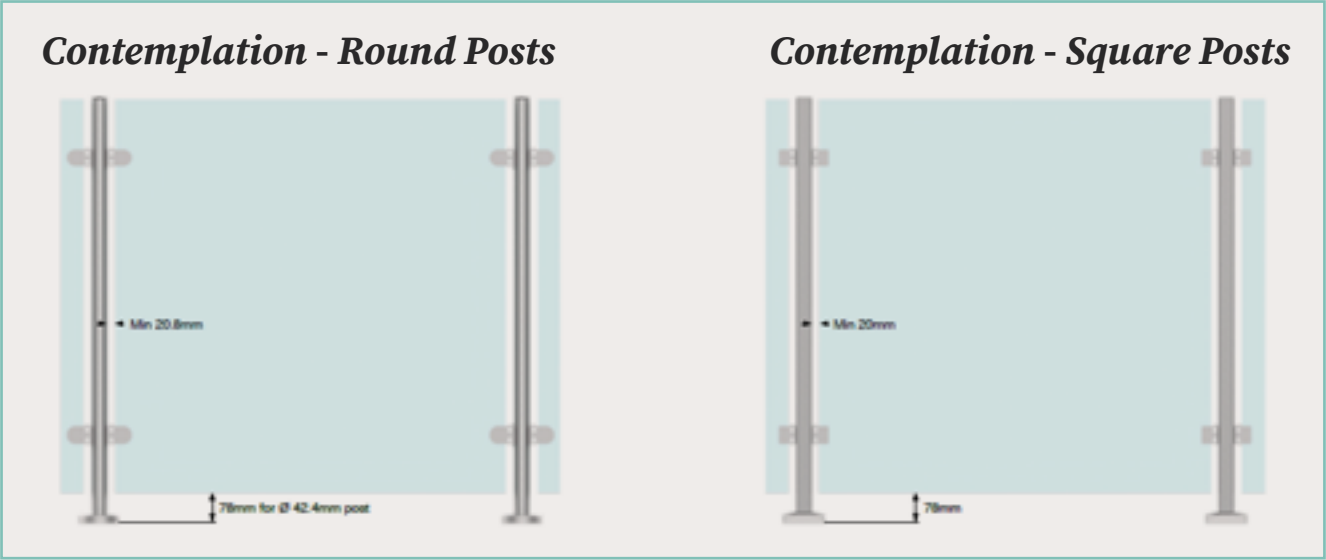
Contemplation - Glass Panels

Thickness [mm]	Height [mm]	Width [mm]	Minimum* Post Centres For			Code
			Ø 42.4mm Post	Ø 48.3mm Post	40mm Post	
10	1024	100	184	190	180	**1855101001024**
10	1024	200	284	290	280	**1855102001024**
10	1024	300	384	390	380	**1855103001024**
10	1024	400	484	490	480	**1855104001024**
10	1024	500	584	590	580	**1855105001024**
10	1024	600	684	690	680	**1855106001024**
10	1024	700	784	790	780	**1855107001024**
10	1024	800	884	890	880	**1855108001024**
10	1024	900	984	990	980	**1855109001024**
10	1024	1000	1084	1090	1080	**18551010001024**
10	1024	1100	1184	1190	1180	**18551011001024**

Minimum only applies to round posts, square posts are fixed centres.

Timeless

Bolt-Down Round Post - Satin Finish

OUR MOST FLEXIBLE POST YET!

Choose Your Post & Top

For our full range of tube see page 56.

SELECT THE HANDRAIL SADDLE FOR USE IN THE TOP OF YOUR POST.

SATIN FINISH

Ø 42.4mm POST BASE PLATE

Ø 48.3mm POST BASE PLATE

Ø mm	A mm	Code
42.4	978	**1804791C**
48.3	972	**1804791D**
42.4	978	**1806791C**
48.3	972	**1806791D**

Ø mm	A mm	Code
42.4	978	**1804792C**
48.3	972	**1804792D**
42.4	978	**1806792C**
48.3	972	**1806792D**

Ø mm	A mm	Code
42.4	978	**1804793C**
48.3	972	**1804793D**
42.4	978	**1806793C**
48.3	972	**1806793D**

Dim A is post only with no top. Top fitting not included.

Dim A is post only with no top. Top fitting not included.

Dim A is post only with no top. Top fitting not included.

For our full range of saddles, see from page 59.

Hex Head With Flange

Ø [mm]	Length [mm]	Code
M8	75	**5002HCS875**

Multi-Fix Hex Head Bolt

Ø [mm]	Length [mm]	Code
M10	75	**5002MF10875**

High Strength Retainer Glue
For use with tube fittings

ml	Code
50	**1899007638**

Timeless

Concrete-In Round Post - Satin Finish

ALSO PERFECT FOR SIDE-FIXING THROUGH A DECKING SUBFRAME. JUST CUT TO SIZE!

Choose Your Post & Top

End Post   **Mid Post**   **Corner Post**

SATIN FINISH

CONCRETE-IN

CORE DRILL
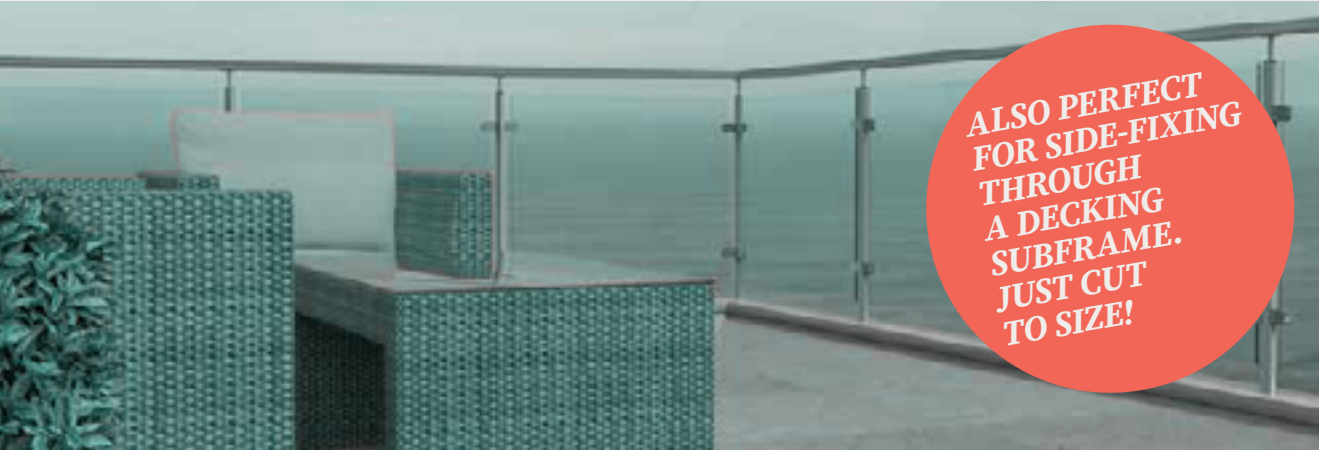
Ø mm	Code
42.4	**1806781C**

Height of post only with no top. Top fitting not included.

Ø mm	Code
42.4	**1806782C**

Height of post only with no top. Top fitting not included.

Ø mm	Code
42.4	**1806783C**

Height of post only with no top. Top fitting not included.

These posts can be used with our side-fix fascia brackets. See our range on page 62.
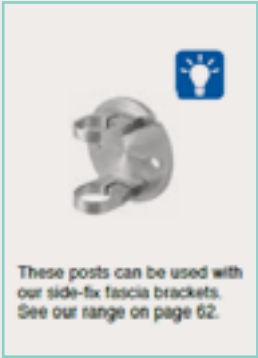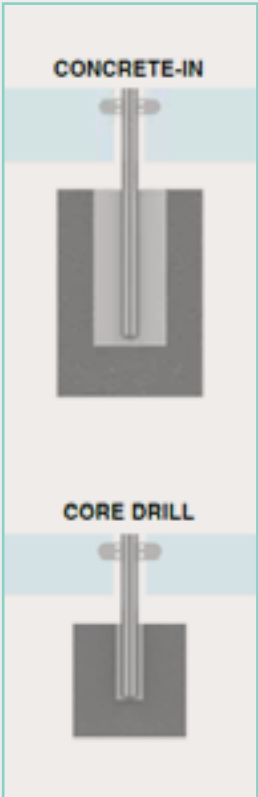
Hex Head With Flange
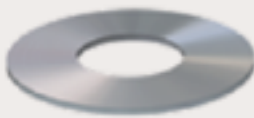
Ø mm	Code
42.4	**1806247C**

F it at time of installation. For silicone use code: 189901201.

Multi-Fix Hex Head Bolt
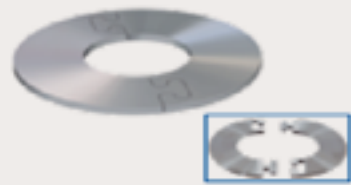
Ø mm	Code
42.4	**1806247C**

Retro-fitted after installation. For silicone use code: 189901201.

High Strength Retainer Glue
For use with tube fittings

Ø mm	Code
42.4	**1806208C**

Fit at time of installation. For silicone use code: 189901201.

Timeless

Side-Fix Round Post - Satin Finish

SEE OUR RANGE OF GLASS PANELS FROM PAGE 36.

Choose Your Post & Top

End Post   **Mid Post**

For our full range of tube see page 56.

See handrail fittings for the top of your post on page 59.

When using side-fix posts glass should be drilled & security pins should be used. Code: **189900401** for 8 - 10mm thick glass or code: **189900402** for 12mm thick glass.

Posts supplied with fascia brackets and end cap for the base of the post.

Two M10 x 200mm threads.

Requires a minimum Ø 10mm holes in glass.

SATIN FINISH

Ø mm	A mm	B mm	Code	Ø mm	A mm	B mm	Code
42.4	1178	978	**1806794C**	42.4	1178	978	**1806795C**
48.3	1172	972	**1806794D**	48.3	1172	972	**1806795D**

Suitable for use in dry and wet substrates and water filled holes

Cleaning Products

3-Part Tea Staining Cleaner Kit
Keeps stainless handrail & fittings in top condition long after installation

Description	ml	Code
Demi water Spray	500	**1899009DW**
Stainless Steel Polish Spray	400	**1899009SSP**
R2U Stainless Steel Cleaner 500 ml Spray	500	**1899009SSC**

Pickling Gel
Helps remove rust, dirt and grime from stainless steel

kg	Code
2	**18990094023**

Stainless Steel Cleaner
Degreases & cleans surfaces ready for gluing

ml	Code
400	**18990097063**

Unblocking Spray

ml	Code
400	**2912**

Stainless Cleaning Wipe
Keeps stainless handrail & fittings in top condition long after installation

Code
189900901

Polishing Cloths
For removal of light scratches on stainless tube & fittings
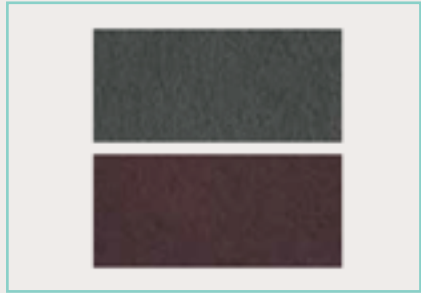
Description	Code
Fine (grey)	**189901101**
Medium (red)	**189901102**

Bond It Glass Cleaner

Fast acting all purpose cleaner with non-smear formulation

Litre	Code
1	1859GC1

Low Lint Texteline Cloths

Pack of 150

Code
29RT150

Micro Fibre Cloth

Pack of 10
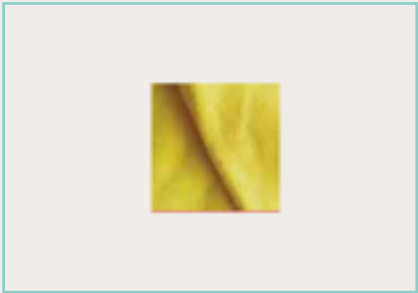
Colour	Size mm	Code
Yellow	400 x 400	29MFC40

Contemplation

Bolt-Down Round Post - Satin Finish
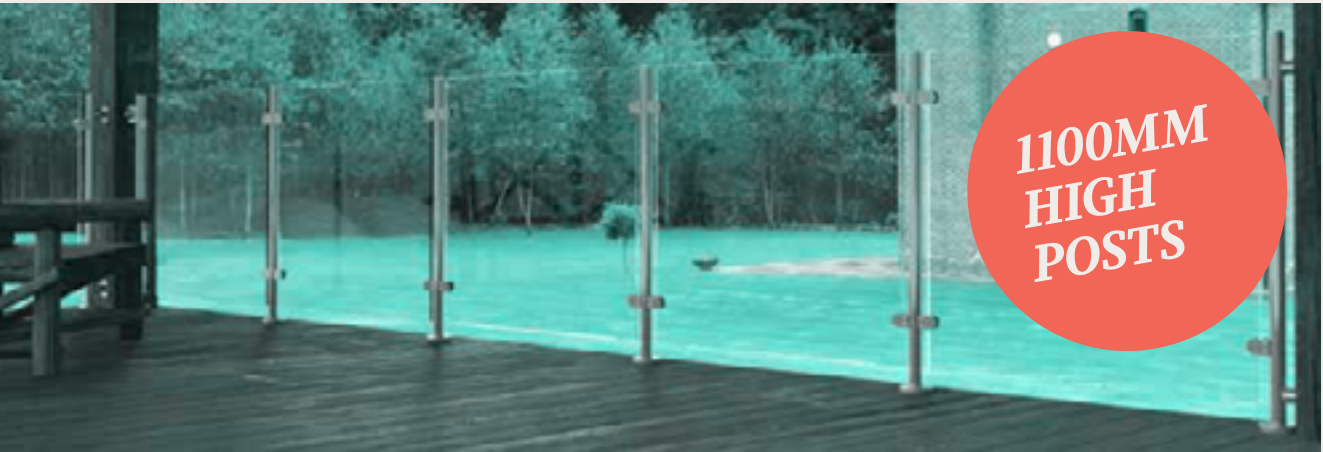
1100MM HIGH POSTS

End Post

Mid Post

Corner Post

SATIN FINISH

Ø 42.4mm POST BASE PLATE

Ø 10.5mm
Ø 6.5mm
Ø 101mm

Ø 48.3mm POST BASE PLATE

Ø 10.5mm
Ø 6.5mm
Ø 116mm

RANGE OF END CAPS

To be used with bolt-down and concrete-in posts. See page 56.

Raised Top

7 Groove Flat Top

NEW GLASS PANELS

For our full range of standard glass panels to suit our Contemplation range, see page 37.

Ø mm	Code
42.4	1806761C
48.3	1806761D

Ø mm	Code
42.4	1806762C
48.3	1806762D

Top fitting not included.

Ø mm	Code
42.4	1806763C
48.3	1806763D

Top fitting not included.

Concrete Fixings

Ø mm	Length mm	Code
M8	75	5002HCS875

Multi-Fix Hex Head Bolt

Ø mm	Length mm	Code
M10	75	5002MF10875

High Strength Retainer Glue

LOCTITE

ml	Code
50	1899007638

For use with tube fittings

Allen Key

Code
189900606

For glass clamps

Contemplation

Concrete-In Round Post - Satin Finish

ALSO PERFECT FOR SIDEFIXING THROUGH A DECKING SUBFRAME. JUST CUT TO SIZE!

SATIN FINISH

END POST

MID POST

CORNER POST

CONCRETE-IN

CORE DRILL

Ground level

BALUSTER BRACKETS 2 HOLE ROUND

Ø mm	Code
42.4	1806751C

Top fitting not included.

Ø mm	Code
42.4	1806752C

Top fitting not included.

Ø mm	Code
42.4	1806753C

Top fitting not included.

Ø mm	Code
42.4	1806212C

For side-fixing.posts.

DONUT COVER PLATE

Ø mm	Code
42.4	1806247C

Fit at time of installation. For silicone use code: 189901201

RETRO-FIT COVER PLATE

Ø mm	Code
42.4	1806248C

Retro-fitted after installation. For silicone use code: 189901201.

COVER CAP

Ø mm	Code
42.4	1806208C

Fit at time of installation. For silicone use code: 189901201.

ADJUSTABLE CORNER INTERNAL / EXTERNAL

Ø mm	Code
42.4	1806253C

For side-fixing.posts.

Contemplation

Bolt-Down Square Post - Satin Finish

We stock a range of standard 10mm glass panels in 100mm increments to reduces supply time, see page 37.

END POST

MID POST

CORNER POST

FLAT TOP END CAP

Code: 1806215S40

SATIN FINISH

ALL POSTS HAVE:

Glass clamps for 10mm glass (8mm rubbers available).

Welded base fitting complete with cover.

mm	Code
40	1806761S40

Top fitting not included.

mm	Code
40	1806762S40

Top fitting not included.

mm	Code
40	1806763S40

Top fitting not included.

Concrete Fixings

Hex Head With Flange

CE

Ø mm	Length mm	Code
M8	75	5002HCS875

Multi-Fix Hex Head Bolt

CE

Ø mm	Length mm	Code
M10	75	5002MF10875

Through Bolt

CE

Ø mm	Length mm	Code
M8	95	5006TB08100

Timeless & Contemplation

Make Your Own Posts

For our full range of glue fit components see from page 56.

For our full range of glue fit components see from page 56.

For loctite adhesives & glue see page 92.

Ø 42.4mm POST BASE PLATE

Ø 10.5mm
Ø 6.5mm
Ø 101mm

Ø 48.3mm POST BASE PLATE

Ø 10.5mm
Ø 6.5mm
Ø 118mm

Ø mm	A mm	Code
48.3	972	1806799D
42.4	978	1806799C
42.4	1000	1804790C
48.3	1000	1804790D
42.4	1000	1806790C
48.3	1000	1806790D
42.4	1100	1806760C
48.3	1100	1806760D

Dim A is post only with no top.
Top fitting not included.

Ø mm	Height mm	Code
42.4	1000	1804708CB
48.3	1000	1804708DB
42.4	1000	1806708CB
48.3	1000	1806708DB
42.4	1200	1804708CL
48.3	1200	1804708DL
42.4	1200	1806708CL
48.3	1200	1806708DL
42.4	1500	1804708CXL
48.3	1500	1804708DXL
42.4	1500	1806708CXL
48.3	1500	1806708DXL

These posts can be drilled, bolted, cut to size, welded & more!

Our La Fabbrica range of porcelain stoneware reaches new heights in style and engineering, taking all the beauty and charm of the finest timbers. Safe, sustainable, versatile, and refined, Italian excellence with unbeatable quality.

CA'FOSCARI COLLECTION

YOSEMITE COLLECTION
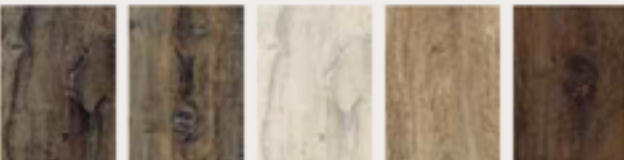
- Stunning wood effect Italian porcelain from one of Italy's top design houses
- A1 and A2fl-s1 fire rated
- Low surface temperatures
- Ideal for elevated patios, all decking applications, and all types of balconies
- Build your dream elevated stone patio without the need for expensive retaining walls and backfill materials
- 1000mm joist spacing for 30mm boards & tile support trays
- Dramatic reduction in hard landscaping costs
- Perimeter base section allows for our wide range of handrail systems to be fully integrated into your project

Sleeve Fit Brackets

JUST TIGHTEN THE GRUB SCREW TO FIX TO POST

*Can be supplied with 442F square clamps.

Mid bracket
Code: **1806522C**

End bracket
Code: **1806521C**

Adjustable corner bracket
Code: **1806523C**

Adjustable handrail support bracket
Code: **1806314CC**

Create A Wide Range Of Posts With No Drilling!

1. Select your post height.

2. Choose your post top (End caps page 56, railing saddles page 59)

3. Choose your Glass clamp (401F page 64, 442F page 65)

4. Choose your base (Bolt-down page 61, side-fix page 62)

End Bracket

Ø mm	Code
42.4	**1806521C**
48.3	**1806521D**

Supplied with M8 bolt for fixing glass clamps.

Mid Bracket

Ø mm	Code
42.4	**1806522C**
48.3	**1806522D**

Supplied with M8 bolt for fixing glass clamps.

75 - 185° Adjustable Corner Bracket

Ø mm	Code
42.4	**1806523C**
48.3	**1806523D**

Supplied with M8 bolt for fixing glass clamps

Code: 1806214C or 1806214D See page 59

Code: 1806314CC or 1806314DD See page 59

Code: 1806317CCA or 1806317DDA See page 59

JUST SLIDE EVERYTHING INTO PLACE & TIGHTEN!

Pre-assembled plain posts See page 45

Plain posts See page 45

Code: 1806239C or 1806239D See page 61

Code: 1806258C or 1806258D See page 62

Code: 1806214C or 1806214D See page 56

Image shows sleeve fit brackets being used on a curve.

Image shows sleeve fit brackets being used on a staircase.
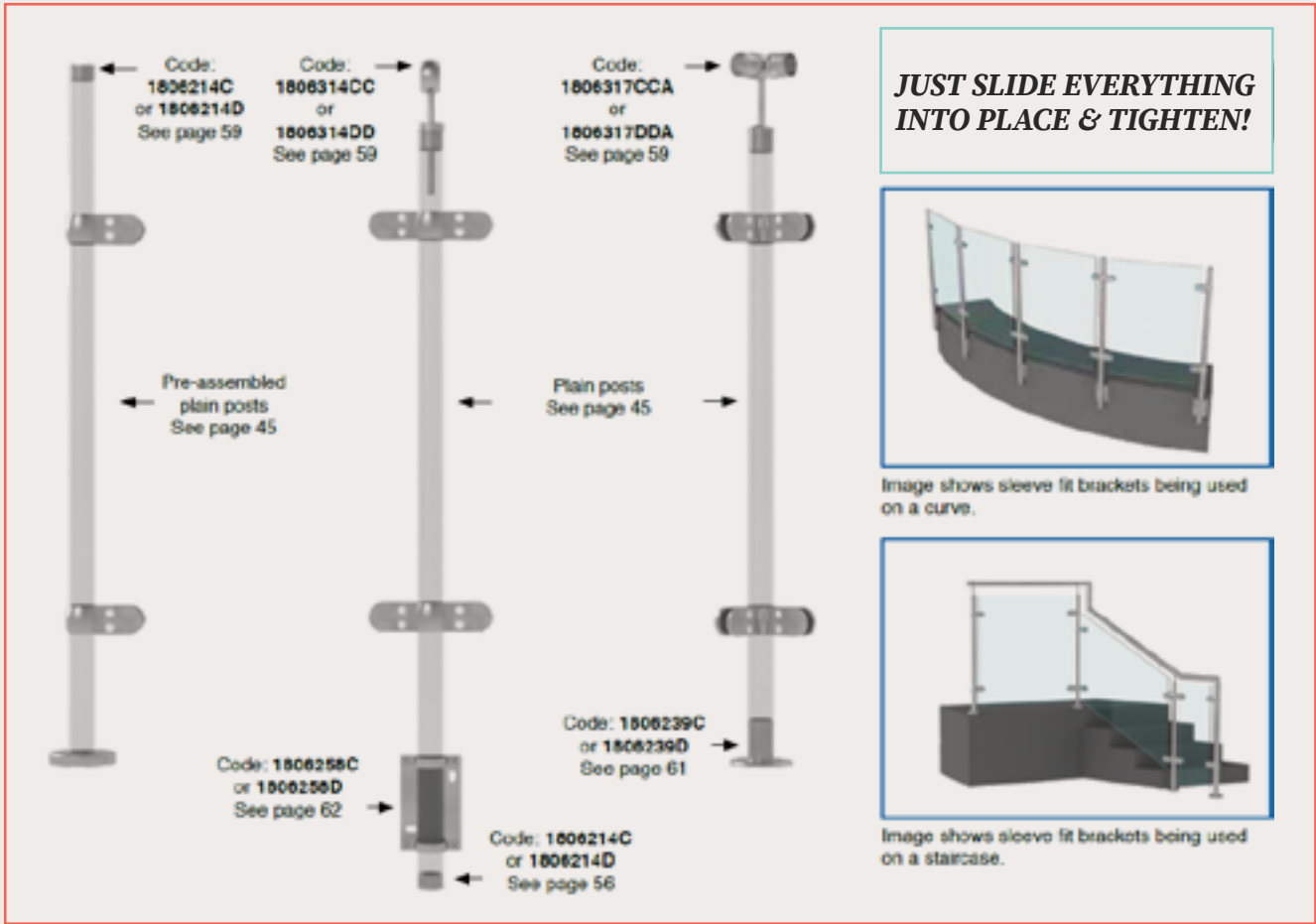
■	Grade 304	■ Mild Steel
■	Grade 316	■ Galvanised
■	Zamac	■ Aluminium
■	Zinc	■ Duplex 2205

Wire Rope System

FOR LOCTITE ADHESIVES & GLUE SEE PAGE 92.

Tech

Stainless steel Ø 3 and 6mm strand wire rope system is a simple and cost effective alternative to our crossbar system. It can be fixed to most surfaces including wood, metal and brick and is ideal for external applications in residential and commercial environments. Suitable for self assembly and simple to install using self locking, crimped or glued connectors.

Wire Rope Systems

Please note that our posts are not to be used with 6mm wire.

	System 1 (Swage-less)	System 2 (Swaged)	System 3 (Swage-less)	System 4 (Swaged)	System 5 (Swage-less)	System 6 (Swaged)
3mm wire	√	√	√	√	√	√
Grade 316	√	v	√	√	√	√
Face fix	–	–	–	–	√	–
In line	√	√	√	√	–	√
Pre-assembled posts	√	√	–	–	–	–
Bespoke posts	–	–	√	√	√	√
Bespoke posts on stairs	√	√	√	√	√	√
Wooden posts	–	–	–	–	–	√
Square posts	√	√	–	√	√	√
Ø 42.4mm posts	√	√	√	√	√	–
Ø 48.3mm posts	√	√	√	√	√	–

Swagless (no crimp)

Ⓐ Tension the wire by inserting a screwdriver and rotating.

Swagged (crimp)

Ⓐ Secure the wire by crimping or gluing. Ⓑ Swaged connector.

Ø 48.3mm POST BASE PLATE
Ø 10.5mm

7 HOLE END/MID POST M6 EYEBOLTS

14 HOLE MID STRAINING POST M6 EYEBOLTS

14 HOLE MID POST Ø 6MM THROUGH HOLES

14 HOLE CORNER POST M6 EYEBOLTS

Ø mm	Code
48.3	1806741D

For use with Ø 3mm wire only.

Ø mm	Code
48.3	1806742D

For use with Ø 3mm wire only.

Ø mm	Code
48.3	1806742DT

For use with Ø 3mm wire only.

Ø mm	Code
48.3	1806743D

For use with Ø 3mm wire only.

Thimble

To Suit Wire Ø mm	Code
3	1806610
6	1806670

Ferrule

To Suit Wire Ø mm	Code
3	1806609
3	1301609
6	1806669

Locking Collar

To Suit Wire Ø mm	Code
3	1806604
6	1806664

Eyebolt Connector

To Suit Wire Ø mm	Code
3	1806603
3	1301603
6	1806663*

M6 thread.
*M10 thread

Post Fitting Adaptor Ring

To Suit Wire Ø mm	Code
42.4	1804335C
48.3	1804335D
42.4	1806335C
48.3	1806335D

M6 thread.

Swageless Cable Tensioner

To Suit Wire Ø mm	Code
3	1806611
6	1806671

For use with Ø 3mm wire only.

Swageless Buckle

To Suit Wire Ø mm	Code
3	1806612
6	1806672

For use with Ø 3mm wire only.

Swageless Cable Tensioner

To Suit Wire Ø mm	Code
3	1806601
6	1806661

For use with Ø 3mm wire only.

Swageless Buckle Connector

To Suit Wire Ø mm	Code
3	1806602
6	1806662

For use with Ø 3mm wire only.

Cable Tensioner

For flat runs

Cable Tensioner

For stairs and slopes

Upward Angled Wire Rope Holder

For angles + / - 35°

Downward Angled Wire Rope Holder

For angles + / - 35°

To Suit Wire Ø mm	Size mm	Code
3	Flat	1806617
3	42.4	1806617C
3	48.3	1806617D
6	Flat	1806667
6	42.4	1806667C
6	48.3	1806667D

Includes 1 x threaded cable tensioner, cover cap and end fitting.

To Suit Wire Ø mm	Size mm	Code
3	Flat	1806618
3	42.4	1806618C
3	48.3	1806618D
6	Flat	1806677
6	42.4	1806677C
6	48.3	1806677D

Includes 1 x threaded cable tensioner, cover cap and end fitting.

To Suit Wire Ø mm	Size mm	Code
3	Flat	1806622
3	42.4	1806622C
3	48.3	1806622D
6	Flat	1806682
6	42.4	1806682C
6	48.3	1806682D

To Suit Wire Ø mm	Size mm	Code
3	Flat	1806621
3	42.4	1806621C
3	48.3	1806621D
6	Flat	1806681
6	42.4	1806681C
6	48.3	1806681D

Cable Tensioner
Through fitting

To Suit Wire Ø mm	Size mm	Code
3	N/A	1806613
6	N/A	1806673

Angled Wire Rope Holder
Left hand side

Tighteners to secure wire.

To Suit Wire Ø mm	Size mm	Code
3 and 6	Flat	1806615
3	42.4	1806615C
3	48.3	1806615D

Order screws code: 189900603.

Angled Wire Rope Holder
Middle

To Suit Wire Ø mm	Size mm	Code
3	Flat	1806616
3	42.4	1806616C
3	48.3	1806616D
6	Flat	1806676

Order screws code: 189900603

Angled Wire Rope Holder
Right hand side

To Suit Wire Ø mm	Size mm	Code
3 and 6	Flat	1806614
3	42.4	1806614C
3	48.3	1806614D

Order screws code: 189900603.

Wire Rope
1 x 19 strands

Length m	Thickness mm	Code
10	3	180660510
10	6	180666510
50	3	180660550
50	6	180666550
100	3	1806605100
100	6	1806665100

Articulated Wire Rope Holder

Ø mm	To Suit Wire Ø mm	Code
42.4	3	1804607C
42.4	3	1806607C
48.3	3	1806607D

Secured with grub screw.

Pad Eye

To Suit Wire Ø mm	Code
3	1806608
6	1806668

Fixing holes Ø 4.5mm.

Eyebolt Woodscrew Thread

To Suit Wire Ø mm	Code
3	1806606
6	1806666

Cover Cap
With Locking Ends

To Suit Wire Ø mm	Code
3 and 6	1806619

End Fitting

To Suit Wire Ø mm	Code
3	1806624
6	1806684

Cable Release Tool
For End Fitting

To Suit Wire Ø mm	Code
3	1806620
6	1806680

Counter Sunk Screw

Ø x L mm	Code
M6 x 20	189900603

Crimping Tool

Code
189900102

Hydraulic Crimping Tool

Code
189900103

Wire Cutting Tool

Code
080569

Instant Adhesive
For gluing wire in crimped connectors

ml	Code
50	1899007454

System 1 & 2: In-Line

Straight to rake

Intermediate

Up to wall

Bottom of rake

Corner

Locking Collar

To Suit Wire Ø mm	Code
3	1806604

Eyebolt Connector

Thread mm	To Suit Wire Ø mm	Code
M6	3	1806603

Post Fitting Adaptor Ring

Ø mm	Code
42.4	1804335C
48.3	1804335D
42.4	1806335C
48.3	1806335D

No need to drill posts.

Example of post fitting adaptor ring with 6mm eye bolt code: 1806663 and swaged buckle connector code: 1806602

Swageless Cable Tensioner

To Suit Wire Ø mm	Code
3	1806611

Swageless Buckle

To Suit Wire Ø mm	Code
3	1806612

Swaged Cable Tensioner

To Suit Wire Ø mm	Code
3	1806601

Swaged Buckle Connector

To Suit Wire Ø mm	Code
3	1806602
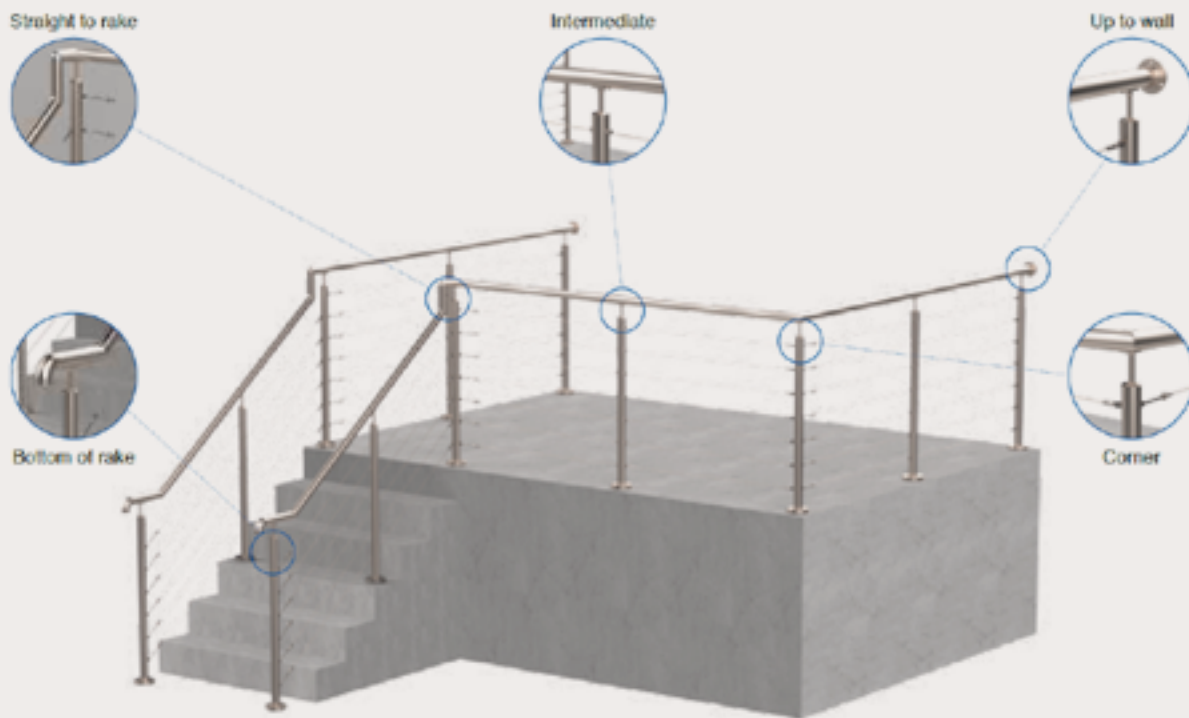
Swageless connectors can be secured using the 454 loctite adhesive: Code: 1899007454. When left for 72 hours they will be able to carry a load of 322kgs. So in a 7 wire system the infill at one end of the post can resist over 2 tonnes!

	Grade 304		Mild Steel
	Grade 316		Galvanised
	Zamac		Aluminium
	Zinc		Duplex 2205

System 2 & 3: Stairs
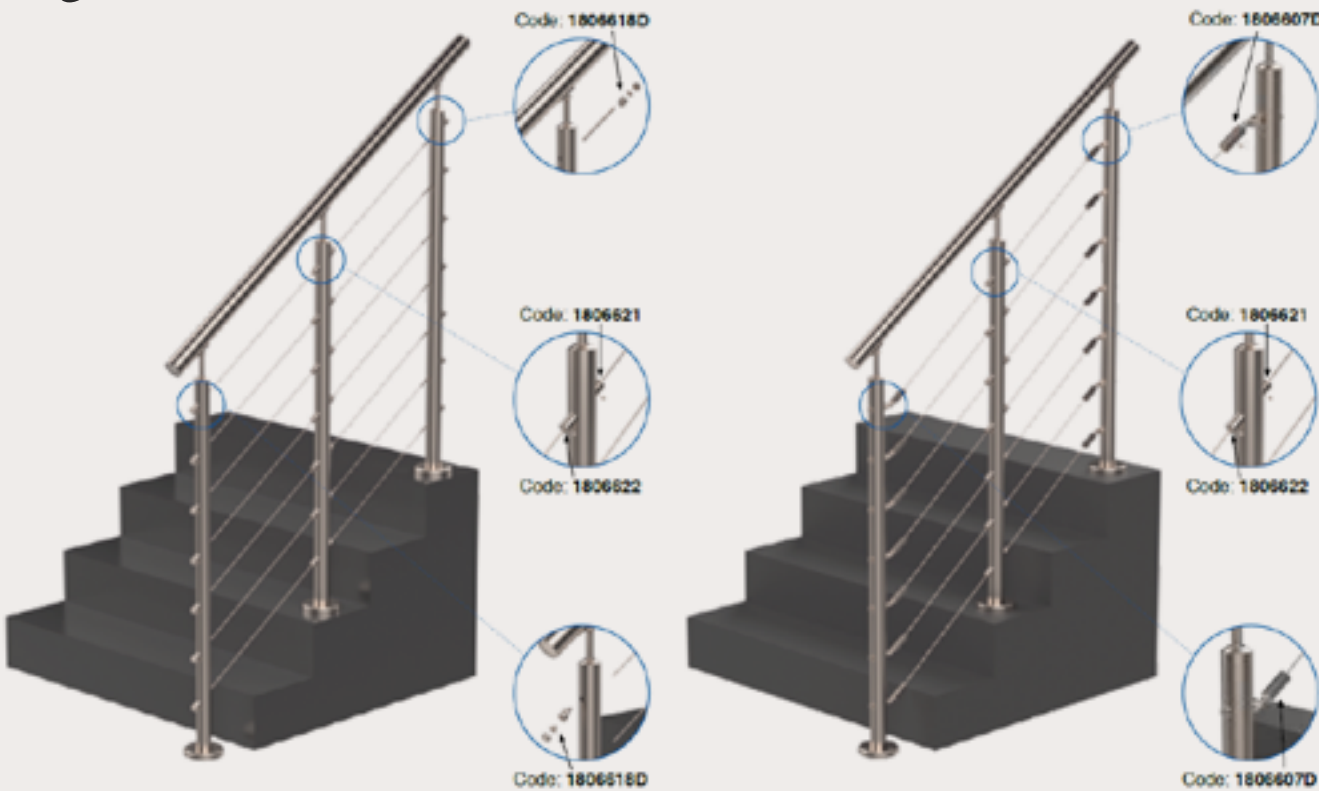
Code: 1806618D

Code: 1806607D

Code: 1806621

Code: 1806621

Code: 1806622

Code: 1806622

Code: 1806618D

Code: 1806607D

Cable Tensioner
For Stairs And Slopes

Upward Angled Wire Rope Holder
For Angles + / - 35°

Downward Angled Wire Rope Holder
For Angles + / - 35°

Articulated Wire Tensioner

Thread mm	To Suit Wire Ø mm	Code
3	Flat	1806618
3	42.4	1806618C
3	48.3	1806618D

Includes 1 x threaded cable tensioner, cover cap and end fitting.

Thread mm	To Suit Wire Ø mm	Code
3	Flat	1806622
3	42.4	1806622C
3	48.3	1806622D

Thread mm	To Suit Wire Ø mm	Code
3	Flat	1806621
3	42.4	1806621C
3	48.3	1806621D

Thread mm	To Suit Wire Ø mm	Code
42.4	3	1806607C
48.3	3	1806607D

Secured with grub screw.

Installation Using Cable Tensioner

1 Crimp wire into cable tensioner and insert through pre-drilled hole on starter post.

2 Add washer and nut and loosely tighten.

3 Insert end fitting through end post, pull tight, cut wire flush with fitting.

4 Screw on cover cap.

5 Tighten nut on starter post to bring the wire under tension.

6 Cut excess protruding thread and screw on cover cap.

System 3: Flat Runs

Code: 1806617

Code: 1806604
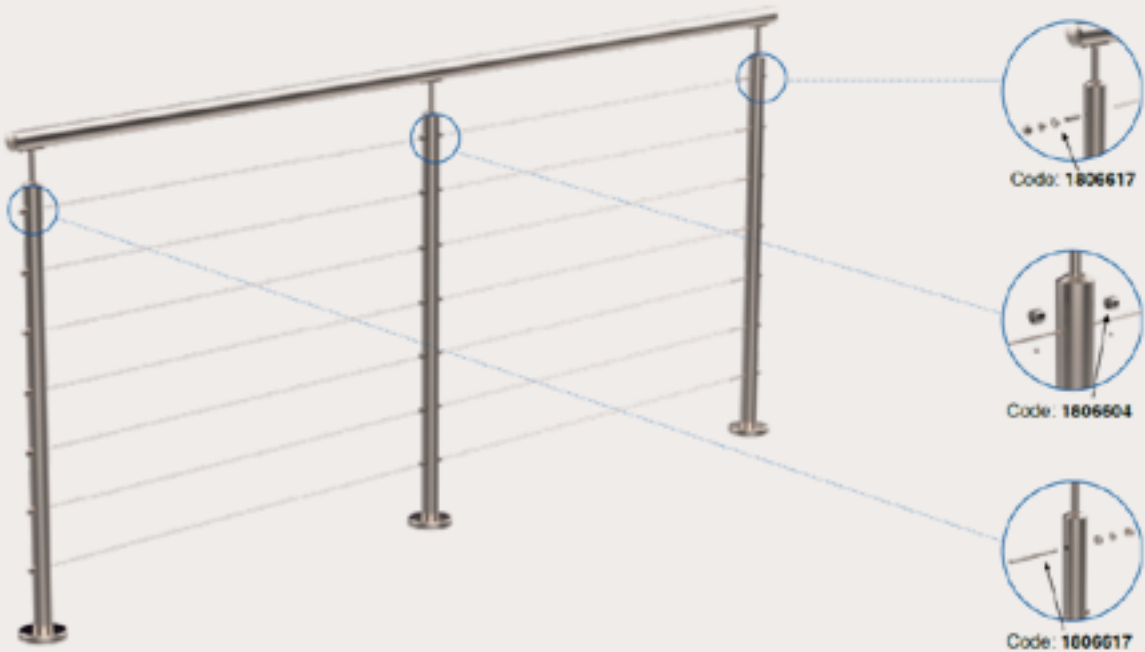
Code: 1806617

Cable Tensioner For Flat Runs

To Suit Wire Ø mm	Size mm	Code
3	Flat	1806617
3	42.4	1806617C
3	48.3	1806617D

Includes 1 x threaded cable tensioner, cover cap and end fitting.

Locking Collar

To Suit Wire Ø mm	Code
3	1806604

Universal Strand Wire Components

Make your own handrailing, in stainless, aluminium or mild steel and create your infills using our range of universal components to suit Ø 3 & 6mm wire.

(green)	Grade 304
(red)	Grade 316
(orange)	Zamac
(yellow)	Zinc

(tan)	Mild Steel
(grey)	Galvanised
(blue)	Aluminium
(purple)	Duplex 2205

System 5: External Face Of Post

Code: 1806614
Code: 1806613
Code: 1806616

Cable Tensioner
Through Fitting

Angled Wire Rope Holder
Left Hand Side

Angled Wire Rope Holder
Middle

Angled Wire Rope Holder
Right Hand Side

Tighteners to secure wire.

To Suit Wire Ø mm	Code
3	1806613

Thre-ad mm	To Suit Wire Ø mm	Code
3 & 6	Flat	1806615
3	42.4	1806615C
3	48.3	1806615D

Order screws code: 189900603

Thre-ad mm	To Suit Wire Ø mm	Code
3	Flat	1806616
3	42.4	1806616C
3	48.3	1806616D

Order screws code: 189900603
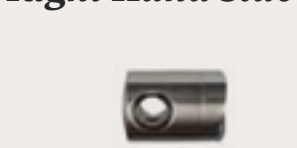
Thre-ad mm	To Suit Wire Ø mm	Code
3 & 6	Flat	1806614
3	42.4	1806614C
3	48.3	1806614D

Order screws code: 189900603

System 6 For Wooden Posts

Make your own handrailing, in stainless, aluminium or mild steel and create your infills using our range of universal components to suit Ø 3 & 6mm wire.

Thimble

To Suit Wire Ø mm	Code
3	1806610

Ferrule

To Suit Wire Ø mm	Code
3	1806609
3	1301609

Pad Eye

To Suit Wire Ø mm	Code
3	1806608

Fixing holes Ø 4.5mm.

Eyebolt Wood-screw Thread

To Suit Wire Ø mm	Code
3	1806606

Grade 304	
Grade 316	
Zamac	
Zinc	

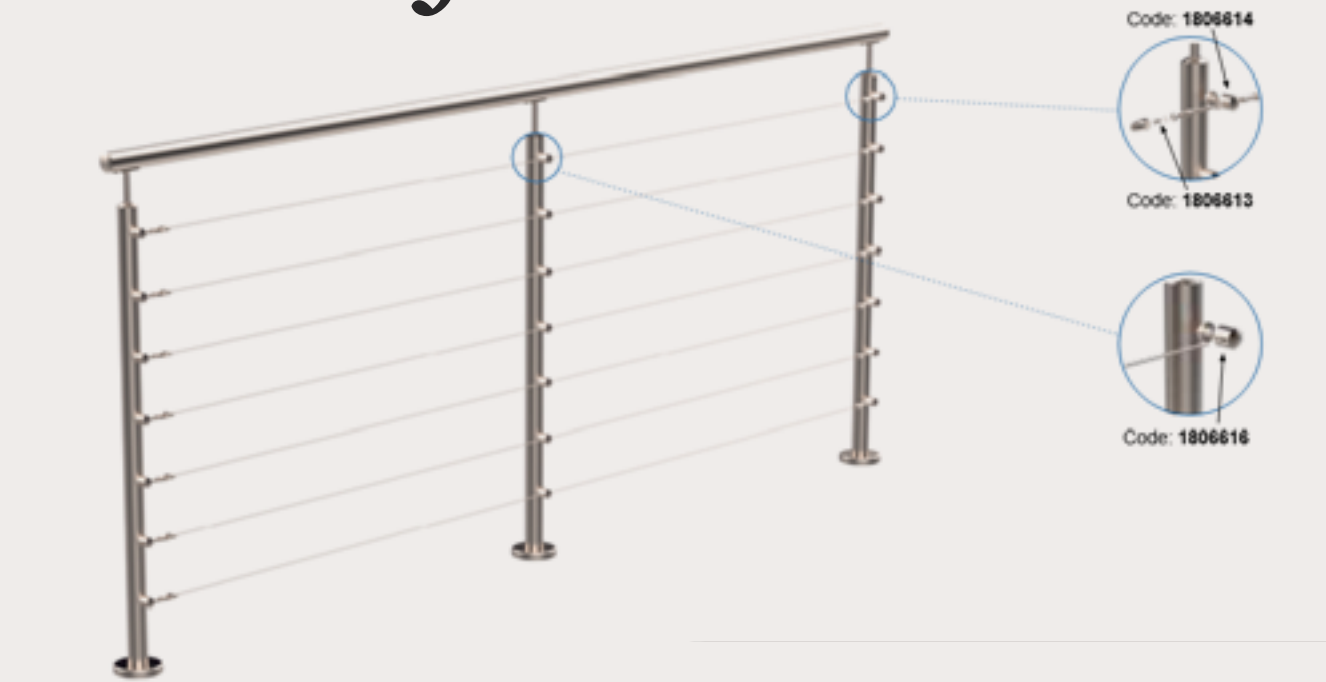|	
Mild Steel	
Galvanised	
Aluminium	
Duplex 2205	

Crossbar System

Our crossbar system can provide a modern handrail and balustrade for many applications. Offering another practical alternative to a glazed balustrade.

Tech
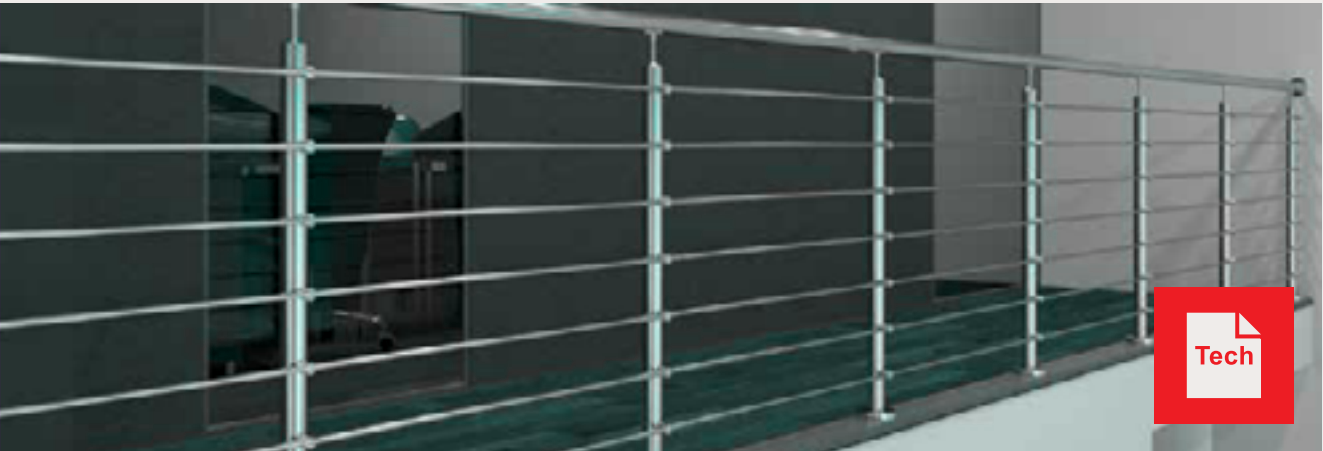
Flexible components allow for 7 rails to be fitted as standard.

Round 7 Hole Post

Ø mm	Code
42.4	1806737C
48.3	1806737D

Solid Bar

Ø mm	Code
12	1804500
12	1806500

3m length.

Hollow Tube

Ø mm	Code
12	1804510
12	1806510

3m length. 1mm wall thickness.

Tube Connector

Ø mm	Code
12	1804524
12	1806524

Crossbar Holder
Flat Mounting

Code
1804501F
1806501F

Ø 12.2mm through hole requires M6 button head fixing bolt code: 5006BS06X20

Crossbar Holder
Tube Mounting

Ø mm	Code
42.4	1804501C
48.3	1804501D
42.4	1806501C
48.3	1806501D

Ø 12.2mm through hole requires M6 button head fixing bolt code: 5006BS06X20.

Solid End Ball

Ø mm	Code
20	1301502
20	1804502
20	1806502

Angle Joint Connector

Code
1804507
1806507

Adjustable Crossbar Holder

Ø mm	Code
Flat	1806509F

Requires 6mm button head fixing bolt code: 5006BS06X20

90° Elbow Radiused Corner

Ø mm	Code
12	1804525
12	1806525

Hex Head With Flange

CE

Metric Ø x L mm	Length mm	Code
M8 x 75	75	5002HCS875

Multi-Fix Hex Head Bolt

CE

Ø mm	Length mm	Code
M10	75	5002MF10875

Through Bolt

CE

Ø mm	Length mm	Code
M8	95	5006TB08100

Allen Key & Button Head Bolt

Description	Ø x L mm	Code
Allen Key	–	189900607
Bolt	M6 x 20	5006BS06X20

Colour	Material
	Grade 304
	Grade 316
	Zamac
	Zinc
	Mild Steel
	Galvanised
	Aluminium
	Duplex 2205

Rectangular Handrail System

Type 40 x 10mm

Tech

Our new 40 x 10mm rectangular handrailing system adds a contemporary look to your installation. It's easy to glue together and can work with any number of flat top saddle handrail brackets.

Rectangular Handrail

Length m	Code
3.0	18067044010
6.0	18067004010

1.5mm wall thickness.

Joiner

Code
18062064010

90° Joiner

Code
18062024010

Adjustable Connector

Code
18062274010

End Cap

Code
18062144010

Handrail Bracket Wall Mounting

Code
18063054010

90° Joiner Adjustable Handrail Bracket
Glass/Flat

Ø mm	To Suit	Code
50	Flat	1806334FF

82mm distance from glass to centre of bracket. To suit 12 - 30mm glass thickness.

Adjustable Handrail Bracket
Wall/Flat

mm	To Suit	Code
40	Flat	1806303S40F

92mm distance from wall to centre of bracket. Requires threaded dowel code: 189900622 for wall fixing.

High Strength Retainer Glue
For use with tube fittings

ml	Code
50	1899007638

Adhesive Activator
Reduces curing time when used with Loctite 638

ml	Code
150	18990087649

Instant Adhesive
Supplied with plunger and needle for accurate application. For use as thread lock adhesive

ml	Code
50	1899007454

Tube & Bar

Hollow tube for handrails & posts

1.0m Length

Ø mm	Code
42.4	1804708CB
48.3	1804708DB
42.4	1806708CB
48.3	1806708DB

2mm wall thickness.

1.2m Length

Ø mm	Code
42.4	1804708CL
48.3	1804708DL
42.4	1806708CL
48.3	1806708DL

2mm wall thickness.

1.5m Length

Ø mm	Code
42.4	1804708CXL
48.3	1804708DXL
42.4	1806708CXL
48.3	1806708DXL

2mm wall thickness.

3.0m Length

Ø mm	Code
42.4	1804704C
48.3	1804704D
42.4	1806704C
48.3	1806704D

2mm wall thickness.

6.0m Length

Ø mm	Code
42.4	1804700C
48.3	1804700D
42.4	1806700C
48.3	1806700D

2mm wall thickness.

Hollow Tube

Ø mm	Length m	Code
12	3	1804510
12	3	1806510

1 mm wall thickness

Solid Bar

Ø mm	Length m	Code
12	3	1804500
12	3	1806500

Split Tube

Ø mm	Length m	Code
18	3	1504P011

1.25mm wall thickness

Square Hollow Tube

Ø mm	Length m	Code
40	2.9	1806704S40
40	5.8	1806700S40

2.5mm wall thickness

All stainless fittings are supplied in a satin polish finish grit 320. They can also be supplied in a mirror polish finish.

End Caps

Flat Top

Ø mm	Code
42.4	1804214C
48.3	1804214D
42.4	1806214C
48.3	1806214D

7 Groove Flat Top

Ø mm	Code
42.4	1806274C
48.3	1806274D

Glue Fit

Raised Top

Ø mm	Code
42.4	1804215C
48.3	1804215D
42.4	1806215C
48.3	1806215D

Dome Top

Ø mm	Code
42.4	1804216C
48.3	1804216D
42.4	1806216C
48.3	1806216D

Handrail Brackets

Weldable Handrail Bracket
Fixed Washer

Code
1301301

To fit square: 40, 50, 60, 70 and 75mm. To fit round: Ø 42.4, 48.3 and 60.3mm.

Wall / Tube

Ø mm	Code
42.4 or 48.3	171178K
42.4 or 48.3	171177K

Three Ø 6.5mm countersunk fixing plate holes.

Wall / Tube

Ø mm	Code
42.4 or 48.3	171181K
42.4 or 48.3	171180K

Two Ø 6.6mm countersunk fixing plate holes

Weldable Handrail Bracket
Adjustable Washer

Code
1301301A

To fit square: 40, 50, 60, 70 and 75mm. To fit round: Ø 42.4, 48.3 and 60.3mm.

Wall / Tube

Ø mm	Code
42.4 or 48.3	171179K

Supplied with snap fit cover plate. Three Ø 5.3mm countersunk fixing plate holes.

Description	Code
Bracket Only	171182K
Cover Plate & Bracket	171182

Two Ø 7mm countersunk fixing plate holes

Handrail Bracket With Saddle
Fixed Washer

To Suit Ø mm	Code
42.4	1301301C
48.3	1301301D

To fit square: 40, 50, 60, 70 and 75mm. To fit round: Ø 42.4, 48.3 and 60.3mm.

Description	Code
Cover Plate & Bracket	171167
Bracket only	171167B
Cover Plate only	171162C

90mm distance from wall to centre of bracket.

Description	Code
Cover Plate & Bracket	171162
Bracket only	171162B
Cover Plate only	171162C

76mm distance from wall to centre of bracket.

Code
171166K
171169K

Three Ø 7mm countersunk fixing plate holes.

Description	Code
Cover Plate & Bracket	171166
Cover Plate & Bracket	171169

76mm distance from wall to centre of bracket.

Side Fix Handrail Bracket
Without saddle

Code
171174

99mm distance from centre of fixing holes to centre of bracket.

Side Fix Handrail Bracket
With saddle
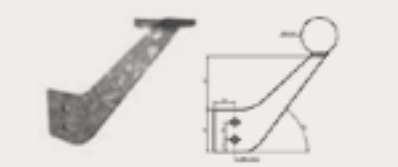
To Suit Ø mm	Code
42.4	171174C
48.3	171174D

99mm distance from centre of fixing holes to centre of bracket.

Universal Plug & Screw Jars

Size Ø mm	Pack Qty	Code
6	500	50UPS6R

6 x 28mm plugs, 4.5 x 40mm screws.

Size Ø mm	Pack Qty	Code
7	450	50UPS7B

7 x 30mm plugs, 4.0 x 40mm screws.

Adjustable Height - Fixed Spigot

Flat / Tube

Ø mm	Code
48.3	1806301FD

65mm distance from wall to centre of bracket.

Wall / Tube

Ø mm	Code
42.4	1804303FC
48.3	1804303FD
42.4	1806303FC
48.3	1806303FD

68mm distance from wall to centre of bracket.

Glass / Tube

Ø mm	Code
42.4	1804333FC
48.3	1804333FD
42.4	1806333FC
48.3	1806333FD

82mm distance from glass to centre of bracket. To suit 12 - 30mm glass thickness.

Fixed Spigot

Wall / Tube

Ø mm	Code
42.4	**1804305FC**
48.3	**1804305FD**
42.4	**1806305FC**
48.3	**1806305FD**

63.5mm distance from wall to centre of bracket.

Wall / Tube

Ø mm	Code
42.4	**1804305FCB**
48.3	**1804305FDB**
42.4	**1806305FCB**
48.3	**1806305FDB**

85mm distance from wall to centre of bracket.

Single Wall Mount

Wall / Flat

Code
1804305FF

63.5mm distance from wall to centre of bracket.

Wall / Tube

Ø mm	Code
42.4	**1804315FC**
48.3	**1804315FD**
42.4	**1806315FC**
48.3	**1806315FD**

72mm distance from wall to centre of bracket. Supplied with 8mm screw thread for wall fixing.

Adjustable Spigot Wall/Tube

Ø mm	Code
42.4	**1804308FC**
48.3	**1804308FD**
42.4	**1806308FC**
48.3	**1806308FD**

85mm distance from wall to centre of bracket

Satin Polish Weldable Handrail Bracket & Cover Plate

Code
171166
171169

76mm distance from wall to centre of bracket

Handrail Bracket Plate & Rubbers

To Suit Glass Balustrading

Ø mm	Glass mm	Code
50	8 - 19	**1804358G**
50	8 - 19	**1806358G**

Glass hole size Ø 22mm. M8 thread.

Allen Key

For Tightening Grub Screws In Handrail Brackets

Code
189900607

Fixings

Countersunk Screw

For Fixing Flat Saddles

Ø x L mm	Code
M5 x 20	**189900619**

Self-tapping. Pilot holes required. Use drill bit code: 189901004.

Pan Head Screw

For Fixing Ø 42.4 & 48.3mm Saddles
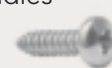
Ø x L mm	Code
M5 x 20	**189900620**

Self-tapping. Pilot holes required. Use drill bit code: 189901004.

Button Head Bolt

For Fixing Handrail Brackets In Threaded Holes
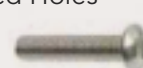
Ø x L mm	Code
M5 x 20	**5006BS05X20**
M6 x 20	**5006BS06X20**

Pilot holes required.

Railing Saddles

Fixed Spigot

Floor / Tube

Ø mm	Code
42.4	**1804307FC**
48.3	**1804307FD**
42.4	**1806307FC**
48.3	**1806307FD**

Height 62mm.

Tube / Tube

Ø mm	Code
42.4	**1804310CC**
48.3	**1804310DD**
42.4	**1806310CC**
48.3	**1806310DD**

90° Tube / Tube

Ø mm	Code
42.4	**1804311CC**
48.3	**1804311DD**
42.4	**1806311CC**
48.3	**1806311DD**

For 201 type elbows used with handrails.

Adjustable Spigots

Tube/Tube

Ø mm	Code
42.4	**1804312CC**
48.3	**1804312DD**
42.4	**1806312CC**
48.3	**1806312DD**

Tube/Tube

Ø mm	Code
42.4	**1806322CC**
48.3	**1806322DD**

90° Fixed Saddle Tube/Tube

Ø mm	Code
42.4	**1806321CC**
48.3	**1806321DD**

Adjustable Handrail Support Bracket

Ø mm	Code
42.4	**1804314CC**
48.3	**1804314DD**
42.4	**1806314CC**
48.3	**1806314DD**

Handrail Support Brackets

Fixed Saddle

Handrail Bracket With 90° Fixed Elbow

Handrail Bracket With +/- 90° Adjustable Elbow

Adjustable angle

90° Corner Top

135° Round Corner Top

Straight Top

Ø mm	Code
42.4	1804311CCA
48.3	1804311DDA
42.4	1806311CCA
48.3	1806311DDA

Ø mm	Code
42.4	1804317CCA
48.3	1804317DDA
42.4	1806317CCA
48.3	1806317DDA

Ø mm	Code
42.4	1804356C
48.3	1804356D
48.3	1806356D
Flat	1804356F
Flat	1806356F

Ø mm	Code
42.4	1804354C
48.3	1804354D
48.3	1806354D
Flat	1804354F
Flat	1806354F

Ø mm	Code
42.4	1804351C
48.3	1804351D
42.4	1806351C
48.3	1806351D
Flat	1804351F
Flat	1806351F

Pan Head Thread Rolling Bolt
For fixing railing saddles to tube

Ø mm	Length mm	Code
M8	95	5006TB08100

Cobalt Drill Bit
To suit 5mm screws & bolts

Description	Ø x L mm	Code
Allen Key	–	189900607
Bolt	M6 x 20	5006BS06X20

Tube Fittings

90° Elbow Radiused Corner

90° Elbow Round Corner

90° Elbow Square Corner

135° Elbow

Ø mm	Code
42.4	1804200C
48.3	1804200D
42.4	1806200C
48.3	1806200D

Ø mm	Code
42.4	1804201C
48.3	1804201D
42.4	1806201C
48.3	1806201D

Ø mm	Code
42.4	1804202C
48.3	1804202D
42.4	1806202C
48.3	1806202D

Ø mm	Code
42.4	1804220C
48.3	1804220D
42.4	1806220C
48.3	1806220D

90° Weldable Elbow

Adj. Elbow +/- 90°

Adj. Elbow Smooth 0 - 70°

Rotating Elbow

Adj. Handrail Adaptor 0 - 70°

Ø mm	Code
42.4	1804E42
48.3	1804E48
42.4	1806E42
48.3	1806E48

Ø mm	Code
42.4	1804203C
48.3	1804203D
42.4	1806203C
48.3	1806203D

Ø mm	Code
42.4	1804227C
48.3	1804227D
42.4	1806227C
48.3	1806227D

Ø mm	Code
42.4	1804233C
48.3	1804233D
42.4	1806233C
48.3	1806233D

Ø mm	Code
42.4	1806316CC
48.3	1806316DD

Tube Adaptor

Ø mm	Code
42.4	1804313CC
48.3	1804313DD
42.4	1806313CC
48.3	1806313DD

3 Way Corner

Ø mm	Code
42.4	1804204C
48.3	1804204D
42.4	1806204C
48.3	1806204D

Long Tee

Ø mm	Code
42.4	1804205C
48.3	1804205D
42.4	1806205C
48.3	1806205D

4 Way Cross

Ø mm	Code
42.4	1804222C
48.3	1804222D
42.4	1806222C
48.3	1806222D

In-Line Connector

Ø mm	Code
42.4	1804206C
48.3	1804206D
42.4	1806206C
48.3	1806206D

Scroll End

Ø mm	Code
42.4	1804221C
48.3	1804221D
42.4	1806221C
48.3	1806221D

Extended Scroll End

Ø mm	Length mm	Code
42.4	400	1804EA42180
48.3	400	1804EA48180
42.4	400	1806EA42180
48.3	400	1806EA48180

Panel Infill Adaptor

Ø mm	Code
42.4	1804503C
48.3	1804503D
42.4	1806503C
48.3	1806503D

Requires 6mm fixing bolt code: 5006BS06X20. Suits material 1.5 - 10mm thick.

Grade 304	
Grade 316	
Zamac	
Zinc	
Mild Steel	
Galvanised	
Aluminium	
Duplex 2205	

Flanges & Base Plates

External Round Tube Flange

Ø mm	Code
42.4	1804209C
48.3	1804209D
42.4	1806209C
48.3	1806209D

Square Edge Tube Flange

Ø mm	Code
42.4	1804209C
48.3	1804209D
42.4	1806209C
48.3	1806209D

Weldable Round Wall Flange

Ø mm	Code
42.4	1804217C
48.3	1804217D
42.4	1806217C
48.3	1806217D

Cover Plate
To Suit 217

Ø mm	Code
42.4	1804218C
48.3	1804218D
42.4	1806218C
48.3	1806218D

Adjustable Internal
Fit Base Flange +/- 55°

Ø mm	Code
42.4	1804234C
48.3	1804234D
42.4	1806234C
48.3	1806234D

Internal Fit Floor Base
Glue Fix

Ø mm	Code
42.4	1804225C
48.3	1804225D
42.4	1806225C
48.3	1806225D

Weld On Round Base Plate
With 'O' Ring & Cover

Ø mm	Code
42.4	1804228C
48.3	1804228D
42.4	1806228C
48.3	1806228D

Adjustable Elbow Tube Flange
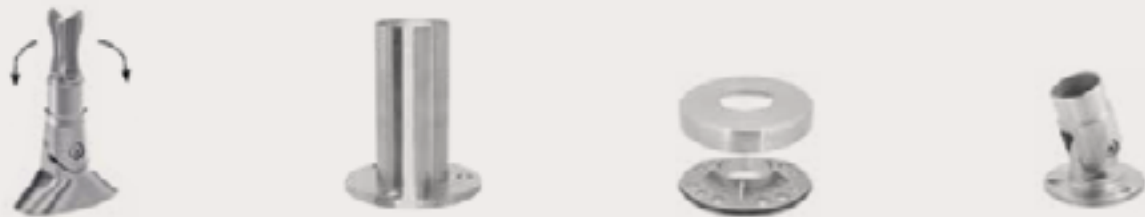
Ø mm	Code
42.4	1804229C
48.3	1804229D
42.4	1806229C
48.3	1806229D

Internal Fit Tube Flange
Glue Fix, No Cover Plate Required
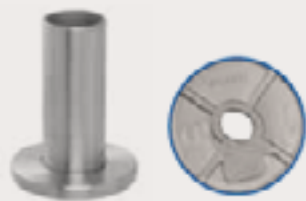
Ø mm	Code
42.4	1804237C
48.3	1804237D
42.4	1806237C
48.3	1806237D

Internal Fit Tube Flange
Glue Fix

Ø mm	Code
42.4	1804235C
48.3	1804235D
42.4	1806235C
48.3	1806235D

Internal Fit Tube Flange
Hammer Fix

Ø mm	Code
42.4	1804239C
48.3	1804239D
42.4	1806239C
48.3	1806239D

Weld On Round Base Plate

Ø mm	Code
42.4	1804207C
48.3	1804207D
42.4	1806207C
48.3	1806207D

Cover Cap

Ø mm	To Suit 207 Code
42.4	1804208C
48.3	1804208D
42.4	1806208C
48.3	1806208D

Ø mm	To Suit 225 Code
42.4	1804226C
48.3	1804226D
42.4	1806226C
48.3	1806226D

Ø mm	To Suit 235 Code
42.4	1804236C
48.3	1804236D
42.4	1806236C
48.3	1806236D

Fit at time of installation. For silicone use code: 189901201

Donut Cover Plate

Ø mm	Code
42.4	1806247C
48.3	1806247D

Fit at time of installation. For silicone use code: 189901201

Retro-Fit Cover Plate
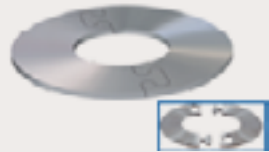
Ø mm	Code
42.4	1806248C
48.3	1806248D

Retro-fitted after installation. For silicone use code: 189901201

Baluster Brackets
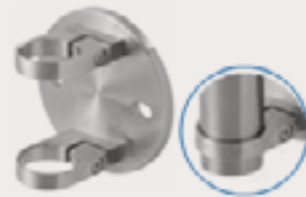
2 Hole Round

Ø mm	Code
42.4	1804212C
48.3	1804212D
42.4	1806212C
48.3	1806212D

2 Hole Round
With Tube Support Spigot
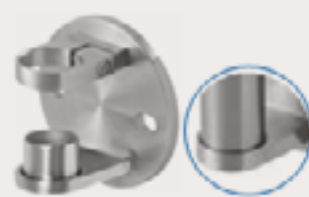
Ø mm	Code
42.4	1804219C
48.3	1804219D
42.4	1806219C
48.3	1806219D

2 Hole Round Folded
Weld Fix

Ø mm	Code
42.4	1806256C
48.3	1806256D

Adjustable Corner - Internal/External

Ø mm	Code
42.4	1806253C
48.3	1806253D

Rectangular Back

Ø mm	Code
42.4	1806213C
48.3	1806213D

Fascia Bracket

Ø mm	Code
42.4	1806258C
48.3	1806258D

Wall Bracket

Ø mm	Code
48.3	1806257D

Tube Support

Ø mm	Code
48.3	1806519D

For extra support.

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Single Side Support

Ø mm	Code
42.4	**1804511C**
42.4	**1806511C**
48.3	**1806511D**

Double Side Support

Ø mm	Code
42.4	**1804512C**
42.4	**1806512C**
48.3	**1806512D**

Tube To Wall Connector

Ø mm	Code
42.4	**1804255C**
48.3	**1804255D**
42.4	**1806255C**
48.3	**1806255D**

IMAGE SHOWS TUBE TO WALL CONNECTOR CODE: 1804255C.

Glass Clamps

The most popular method for providing a glazed balustrade, while at the same time keeping the outlook open and views beyond visible. Glass clamps are simple to install and are offered in either a square or radiused option, providing a glazed system between posts. Compatible with 8 to 21.5mm thick glass, clamps can be used over any length of installation as well as slopes and staircases.

Glass Fixing Information

If using glass clamps in any installation where the glass is fixed to the outside of a staircase and overhanging, then security pins (code: 189900401 or 189900402) and drilled glass must be used.

X Pin - 189900401 or 189900402 not required

✓ Pin - 189900401 or 189900402 required

Requires a minimum Ø 10mm holes in glass.

Cast Zamac clamps are a cheaper alternative to stainless steel. Available in a mirror finish, satin finish or mill finish (suitable for powder coating). Not for external use.

Cast Aluminium clamps are a new innovation, that can be used internally or externally.

Cast Stainless 304 clamps are available in satin polish and are for internal use.

Cast Stainless 316 clamps are available in both mirror and satin polish and for external use.

Cast Duplex 2205 (ultra marine) for external applications, ideal for use in close proximity to the coast.

Cast Zamac   **Cast Aluminium**   **Grade 304**   **Grade 316**   **Duplex 2205**

Shelf Clamp

Satin Finish
Small

Back	Glass mm	Code
Flat	8	**1806400F**

Not suitable for handrailing applications. Typical uses are for display and shelving. H 20 x L 40 x D 16mm. For 6mm rubbers, order code: 1899001S06.

Glass Clamps

Satin Finish

Back	Glass mm	Ø mm	Code
Round	8 - 10	42.4	**1802401C**
Round	8 - 12	48.3	**1802401D**
Round	8 - 12	42.4	**1804401C**
Round	8 - 12	48.3	**1804401D**
Round	8 - 12	42.4	**1806401C**
Round	8 - 12	48.3	**1806401D**
Flat	8 - 10	-	**1802401F**
Flat	8 - 12	-	**1804401F**
Flat	8 - 12	-	**1806401F**

Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401.

Satin Polish Effect

Back	Glass mm	Ø mm	Code
Round	10	42.4	**05CL1260C304**
Round	10	48.3	**05CL1260D304**
Round	10	42.4	**05CL1260C316**
Round	10	48.3	**05CL1260D316**
Flat	10	-	**05CL1260F304**
Flat	10	-	**05CL1260F316**

Supplied with 10mm rubbers. Only for use with 10mm glass. Type 401.

Mirror Finish

Back	Glass mm	Ø mm	Code
Flat	8 - 10	-	**1802401FP**

Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401.

Mirror Finish

Back	Glass mm	Ø mm	Code
Round	8 - 10	42.4	**1806401CM**
Round	8 - 10	48.3	**1806401DM**
Flat	8 - 10	-	**1806401FM**

Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401.

Mirror Finish

Back	Glass mm	Ø mm	Code
Round	10	42.4	**05CL1260C316M**
Round	10	48.3	**05CL1260D316M**
Flat	10	-	**05CL1260F316M**

Supplied with 10mm rubbers. Only for use with 10mm glass. Type 401.

Raw Finish

Back	Glass mm	Ø mm	Code
Round	8 - 10	42.4	**1802401CZ**
Round	8 - 10	48.3	**1802401DZ**
Flat	8 - 10	-	**1802401FZ**

Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401. Suitable for powder coating.

Ppc Matt Black

Back	Glass	Ø mm	Code
Round	8 - 10	42.4	**1805401CB**
Round	8 - 10	48.3	**1805401DB**
Flat	8 - 12	-	**1805401FB**

Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401. Cast aluminium

Satin Finish
180° Double

Glass mm	Code
8 - 12	**1804401180**
8 - 10	**1806401180**

H 45 x L 107 x D 28mm. Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401

Satin Finish
90° Double

Glass mm	Code
8 - 12	**180440190**
8 - 12	**180640190**

H 45 x L 73 x W 73 x D 28mm. Supplied with 10mm rubbers, for other sizes refer to D Rubbers table. Type 401

Satin Finish
Flat Back

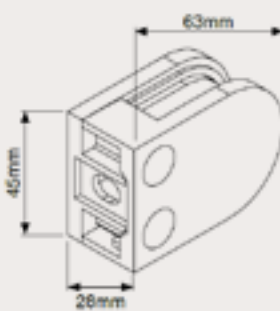| Glass mm	Code
15.0 - 21.5	**1806440F**

H 70 x L 60 x D 41mm. Supplied with 15mm rubbers, for other sizes refer to D Rubbers table. Type 440.

Dimension Drawings

401
Round
Back
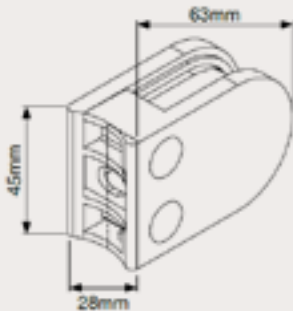
401
Flat
Back

Glass Clamp Code Group	Glass mm	Code
400	6.00	1899001S06
401	8.00	189900108
	8.76	18990010876
	10.00	189900110
	12.00	189900112
440	15.00	1899001L15
	17.50	1899001L175
	19.00	1899001L19
	21.50	1899001L215

Satin Finish

Back	Glass mm	Ø mm	Code
Round	6 - 10	42.4	1806442C
Round	6 - 10	48.3	1806442D
Flat	6 - 10	-	1806442F

Supplied with 10mm rubbers, for other sizes refer to Square Rubbers table. Type 442

Satin Finish

Back	Glass mm	Ø mm	Code
Round	8 - 12	42.4	1804402C
Round	8 - 12	48.3	1804402D
Round	8 - 12	42.4	1806402C
Round	8 - 12	48.3	1806402D
Flat	8 - 12	-	1802402F
Flat	8 - 12	-	1804402F
Flat	8 - 12	-	1806402F

Supplied with 10mm rubbers, for other sizes refer to Square Rubbers table. Type 402.

Grade 304
Grade 316
Zamac
Zinc

Mild Steel
Galvanised
Aluminium
Duplex 2205

Satin Finish 180° DOUBLE

Glass mm	Code
6 - 10	1806442180

H 45 x L 70 x D 27.6mm. Supplied with 10mm rubbers, for other sizes refer to Square Rubbers table. Type 442.

Satin Finish 90° DOUBLE

Glass mm	Code
6 - 10	180644290

H 45 x W 60 x D 27.5mm. Supplied with 10mm rubbers, for other sizes refer to Square Rubbers table. Type 442.

Satin Finish Flat Back

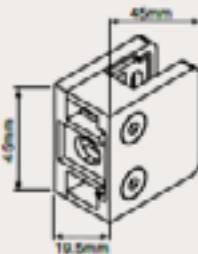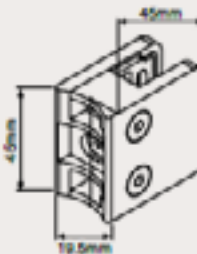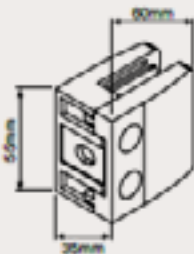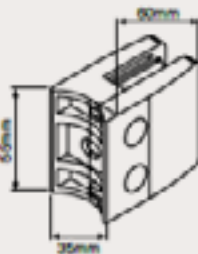| Glass mm	Code
15.0 - 21.5	1806445F

H 70 x L 60 x D 44mm. Supplied with 15mm rubbers, for other sizes refer to Square Rubbers table. Type 445.

Square Rubbers

Back	Glass mm	Code
442	6.00	189944206
	8.00	189944208
	10.00	189944210
402	8.00	189900208
	10.00	189900210
	12.00	189900212
445	15.0	1899002L15
	17.5	1899002L175
	19.0	1899002L19
	21.5	1899002L215

Dimension Drawings

402 Round Back

402 Flat Back

442 Round Back

442 Flat Back

Fixings

Metal Security Pins
For Glass

Glass mm	Code
8 - 10	189900401
12	189900402

Requires a minimum Ø 10mm hole in glass

Plastic Screw Cover Caps

Color	Code
Grey	189900501
Silver	189900502

Variable Fixing Bolt
To Give +/- 5° Adjustment On Round Back Clamps

Description	Code
M8 x 20mm	189900602A
Allen Key*	189900606

*Allen key is used for glass clamps.

Socket Head Cap Screw
For Fixing Glass Clamps Into Posts

Size mm	Code
M8 x 20	13i0323*
M6 x 20	189900601
M8 x 20	189900602

*Zink Plated

Allen Key

| To suit	Code
8mm bolts	189900605
6mm bolts	189900608

Stiffeners

Features

» *To join glass panels & tie glass panels back to the building*

» *To suit 10 - 21.5mm glass thickness*

» *Made from cast steel or duplex 2205 ultra marine stainless*

» *Available in a BZP with satin polish*

Glass mm	Code	Glass mm	Code	Glass mm	Code	Glass mm	Code
10.00 - 12.00	182242112	10.00 - 12.00	182242212	10.00 - 12.00	182242312	10.00 - 12.00	182242012
13.52 - 15.00	182242115	13.52 - 15.00	182242215	13.52 - 15.00	182242315	13.52 - 15.00	182242015
16.76 - 19.00	182242119	16.76 - 19.00	182242219	16.76 - 19.00	182242319	16.76 - 19.00	182242019
20.00 - 21.50	182242122	20.00 - 21.50	182242222	20.00 - 21.50	182242322	20.00 - 21.50	182242022
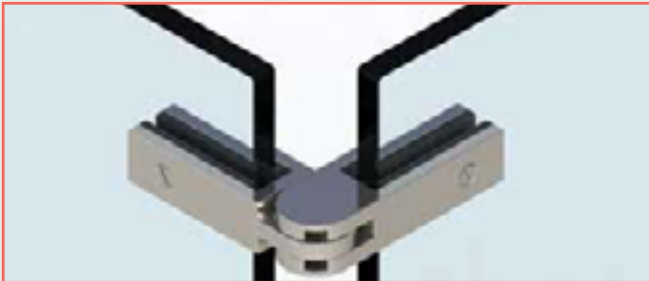
Glass Connector

Domed Front & Back

Ø mm	Glass mm	Code
50	12 - 21.5	1806454

Weldable Glass Clamps

An economic alternative to the traditional glass clamp system. They not only look good, but are easy to install with no on-site fixing and if required the mild steel clamps can be galvanised and powder coated after fabrication.

Specification

» *Stainless steel Grade 316 M8 dome nut & countersunk bolt*

» *Rubber washer*

» *6mm plate & disc*

» *Suits 8 - 12mm glass thickness*

» *Mild steel & stainless steel*

Short Single

Size mm	Code
80 x 40 x 6	1801405F
80 x 40 x 6	1801407F*
80 x 40 x 6	1806405F

* With stainless steel discs.

Long Single

Size mm	Code
120 x 40 x 6	1801406F
120 x 40 x 6	1801408F*
120 x 40 x 6	1806406F

* With stainless steel discs.

Straight Double

Size mm	Code
160 x 40 x 6	1801409F
160 x 40 x 6	1806409F

Internal Corner

Size mm	Code
80 x 80 x 40 x 6	1801409IC

External Corner

Size mm	Code
80 x 80 x 40 x 6	1801409EC

Nylon Spacer

Ø mm	Code
15	1899405NS

Round Disc

Ø mm	Code
40	1899405RD

Rubber Inlay

Ø mm	Code
40	1899405Ri

Rubber Inlay

| Ø x Length mm	Code
M8 x 34.6	1899405TA

Specification

» *Weldable lug*

» *For square or round steel posts*

» *Size 40 x 80 x 26mm*

» *No pre-drilled glass required*

» *Stainless steel Grade 316 flush 8mm screw*

» *Suitable for 10mm glass*

Only use where glass does not overhang an edge/balcony.

Description	Code
BZP tabs with cast steel lug	1801401F
Satin polished 316 tabs with cast steel lug	1801401F316
Satin polished 316 tabs with cast stainless steel 316 lug	1806401W
Spare rubber washer for 1801401F clamp	1899001RW
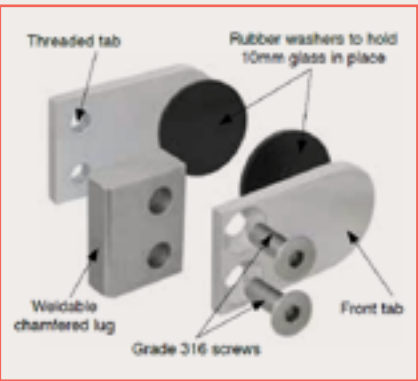
Timeless

Choose your post & top
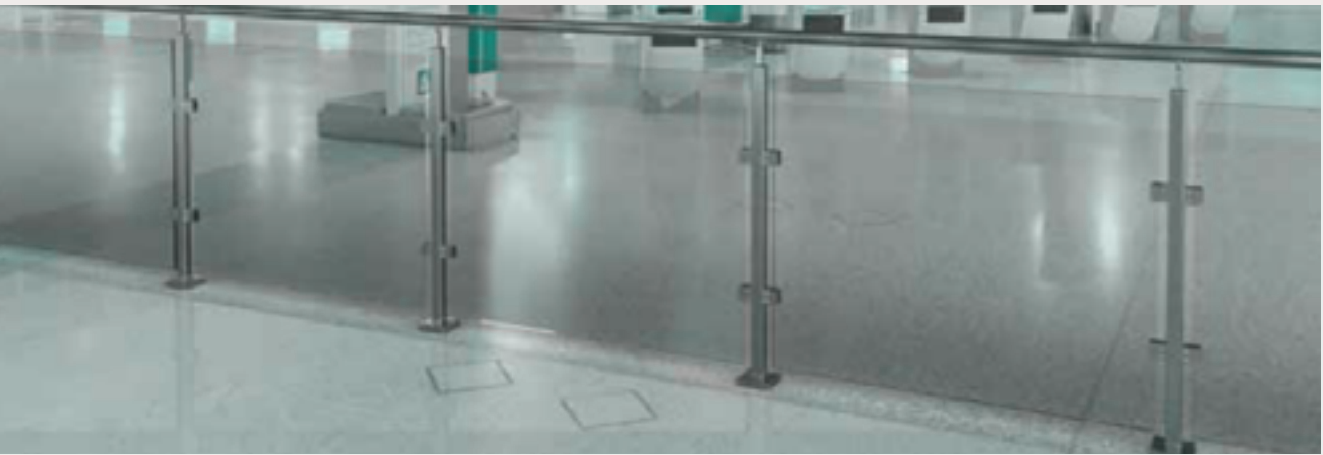
End Post   **Mid Post**   **Corner Post**

mm	Code
40	1806731S40

mm	Code
40	1806732S40

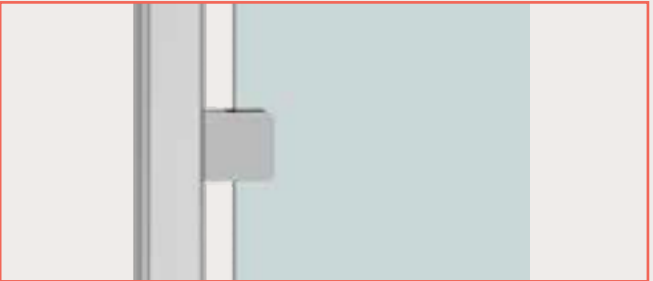| mm	Code
40	1806733S40

All popsts have:
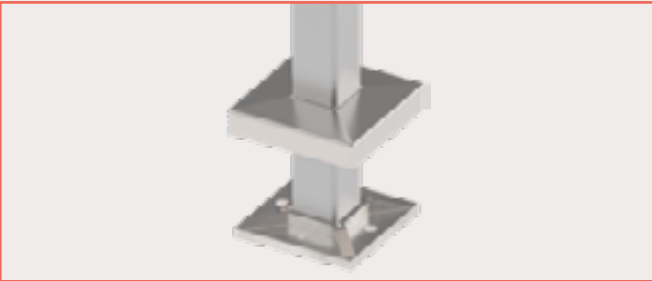
Welded base fitting complete with cover.

Glass clamps for 10mm glass (8mm rubbers available).

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Square Fittings

Adjustable Spigot Saddle
Tube/Tube

90° Fixed Spigot Saddle
Tube/Tube

Adjustable Spigot Saddle
Tube/Flat

90° Fixed Spigot Saddle
Tube/Flat

mm	To Suit mm	Code
40	42.4	1806312S40C

mm	To Suit mm	Code
40	42.4	1806311S40C

mm	To Suit mm	Code
40	Flat	1806312S40F

mm	To Suit mm	Code
40	Flat	1806311S40F

Adjustable Handrail Bracket
Wall/Tube

Adjustable Handrail Bracket
Wall/Flat

2 Hole Baluster Bracket

Square Baluster Bracket

mm	To Suit mm	Code
40	42.4	1806303S40C

mm	To Suit mm	Code
40	Flat	1806303S40F

mm	Code
40	1806256S40

mm	Code
40	1806213S40

Flat Top End Cap   **Cover Plate**   **Weld On Base Plate**   **Wall Flange**   **Tube**

mm	Code
40	1806215S40

mm	Code
40	1806208S40

mm	Code
40	1806207S40

mm	Code
40	1806209S40

mm	Code
40	1806704S40
48.3	1806700S40

Glass Gate Hardware

Timeless
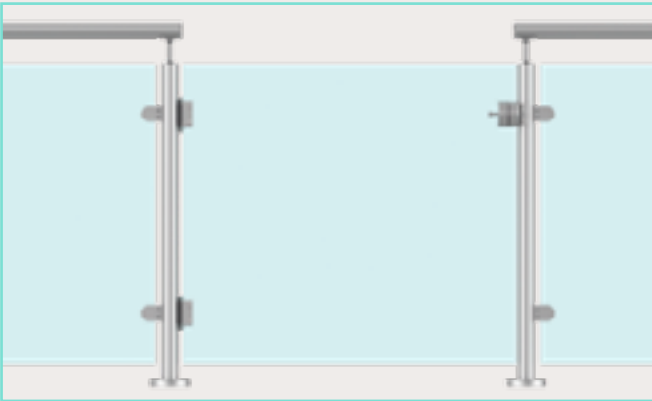
Panel	Thickness mm	Height mm	Width mm	Code
Gate	10	900	1000	185510GSP01

Gives 1100mm handrail height when used on a flat surface with saddles and top rail. Achievable with round or square posts and fittings.

Contemplation
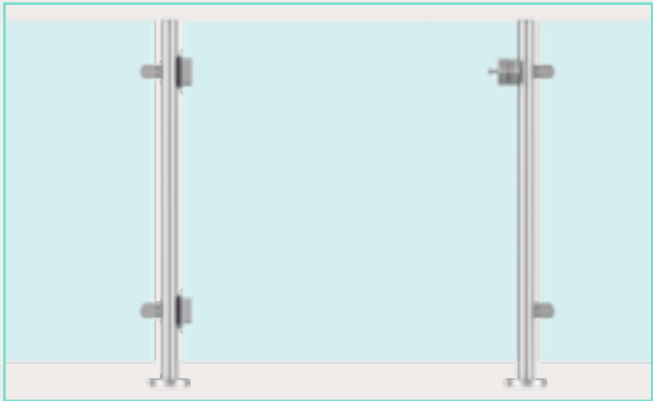
Panel	Thickness mm	Height mm	Width mm	Code
Gate	10	1024	1000	185510GSP61

Gives 1100mm glass height when used on a flat surface with end caps. Achievable with round or square posts and fittings.

Magnetic Latch
Glass to round post

To Suit Glass mm	Code
8 - 12	1806518C

Self-Closing Hinge
Glass to round post

To Suit Glass mm	Code
8 - 12	1806516C

Sold in pairs.

Magnetic Latch
Glass to square post

To Suit Glass mm	Code
8 - 12	1806518F

Self-Closing Hinge
Glass to square post

To Suit Glass mm	Code
8 - 10	1806516F

Sold in pairs.

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Magnetic Latch
Glass to glass

To Suit Glass mm	Code
8 - 12	1806517

Holes required in glass, screws compress plate onto glass. For use where there are no posts.

Self-Closing Hinge
Glass to glass

To Suit Glass mm	Code
8 - 12	1806515

Sold in pairs. For use where there are no posts.

Self-Closing Glass Gate Hinge

Type	To Suit Ø mm	Code
Vinyl	50	05GC09

For fixing 8 and 10mm glass weighing up to 25kg on to round posts. Glass needs to be pre-drilled. Sold in pairs.

Self-Closing Safety Gate Hinge

Description	Code
For stainless tube	18SGH

Sold in pairs.

Latch & Catch

Ø mm	Code
42.4	1806513C
48.3	1806513D

Gate Hinge Pin & Bolt

Ø mm	Code
42.4	1806514C
48.3	1806514D

Cleaning Products

3-Part Tea Staining Cleaner Kit

Description	ml	Code
Demi water Spray	500	1899009DW
Stainless Steel Polish Spray	400	1899009SSP
R2U Stainless Steel Cleaner 500 ml Spray	500	1899009SSC

Keeps stainless handrail & fittings in top condition long after installation

Pickling Gel

kg	Code
2	18990094023

Helps remove rust, dirt and grime from stainless stee

Stainless Steel Cleaner

ml	Code
400	18990097063

Degreases & cleans surfaces ready for gluing

Unblocking Spray

ml	Code
400	**2912**

Stainless Cleaning Wipe

Code
189900901

Removes finger & hand marks left during installation.

Polishing Cloths

Description	Code
Fine (grey)	**189901101**
Medium (red)	**189901102**

For removal of light scratches on stainless tube & fittings

Bond It Glass Cleaner

Litre	Code
1	**1859GC1**

Fast acting all purpose cleaner with non-smear formulation. Use with code: 29RT150.

Low Lint Texteline Cloth

Code
29RT150

Ideal for use with code: 1859GC1. Pack of 150

Micro Fibre Cloth

Colour	Size mm	Code
Yellow	400 x 400	**29MFC40**

Pack of 10

Timeless

Bolt-down round post - mirror finish

Choose your post & top

End Post   Mid Post   Corner Post

For our full range of mirror finish tube see page 74.

See handrail fittings for use in the top of your post on page 74.

For compatible handrail fittings see page 74.
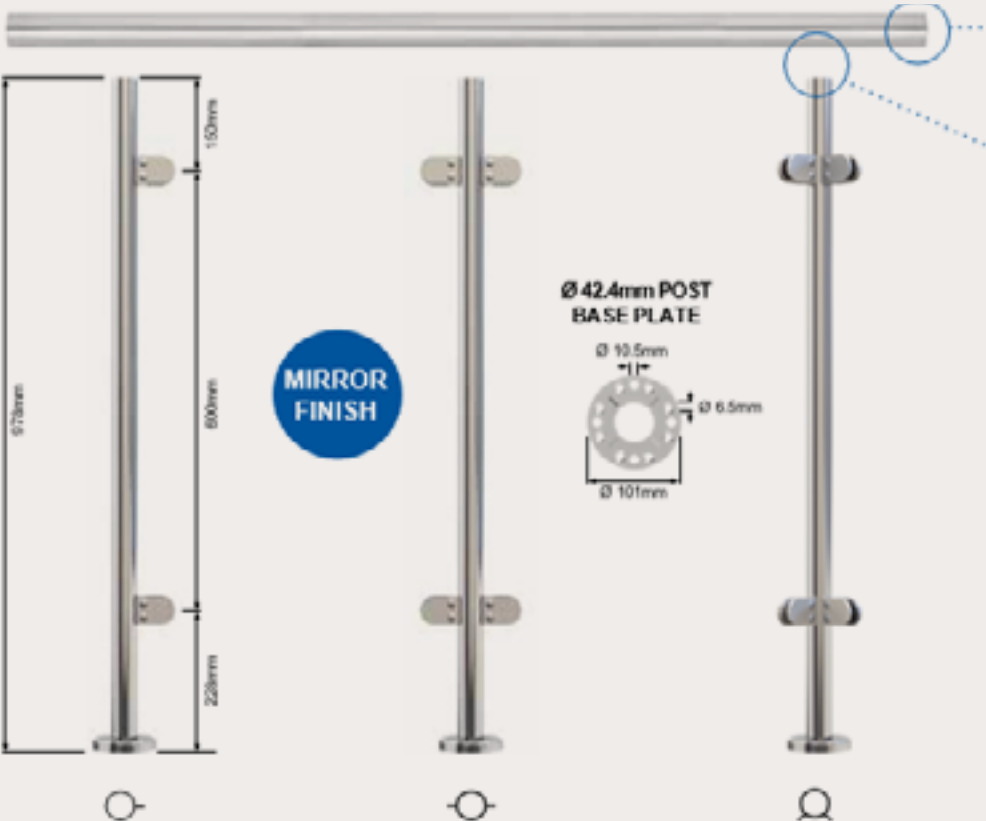
Ø mm	Code	Ø mm	Code	Ø mm	Code
42.4	**1806791CM**	42.4	**1806792CM**	42.4	**1806793CM**

3-Part Tea Staining Cleaner Kit

Description	ml	Code
Demi water Spray	500	1899009DW
Stainless Steel PolishSpray	400	1899009SSP
R2U Stainless Steel Cleaner 500 ml Spray	500	1899009SSC

Keeps stainless handrail & fittings in top condition long after installation

Stainless Steel Cleaner

ml	Code
400	18990097063

Degreases & cleans surfaces ready for gluing

Bond It Glass Cleaner

Litre	Code
1	1859GC1

Fast acting all purpose cleaner with non smear formulation

Contemplation

Bolt-down round post - mirror finish

Concrete Fixings Hex Head With Flange

Ø mm	Length mm	Code
M8	75	5002HCS875

Multi-Fix Hex Head Bolt

Ø mm	Length mm	Code
M10	75	5002MF10875

Through Bolt

Ø mm	Length mm	Code
M8	95	5006TB08100

Allen Key For Glass Clamps
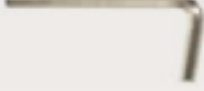
Code
189900606

Mirror Finish Fitting

End Post

Ø mm	Code
42.4	1806761CM

Top fitting not included.

Mid Post

Ø mm	Code
42.4	1806762CM

Top fitting not included.

Corner Post

Ø mm	Code
42.4	1806763CM

Top fitting not included.

MIRROR FINISH

Ø 42.4mm POST BASE PLATE

Ø 10.5mm
Ø 6.5mm
Ø 101mm

RANGE OF END CAPS

To be used with bolt-down and concrete-in posts. See page 74.

Raised Top

7 Groove Flat Top

NEW GLASS PANELS

For our full range of standard glass panels to suit our Contemplation range, see page 37.

Handrail Bracket Fixed Spigot

Wall / Tube

Ø mm	Wall to Bracket Centre mm	Code
42.4	85	171176CM
48.3	85	171176DM

90° Fixed Spigot Saddle

Ø mm	Code
42.4	1806311CCM

Tube / Tube

Adjustable Spigot Saddle

Ø mm	Code
42.4	1806312CCM

Tube / Tube

90° Elbow Round Corner

Ø mm	Code
42.4	1806201CM

Adjustable Elbow

Ø mm	Code
42.4	1806203CM

Adjustable Elbow Smooth

Ø mm	Code
42.4	1806227CM

Scroll End

Ø mm	Code
42.4	1806221CM

In-Line Connector

Ø mm	Code
42.4	1806206CM

External Round Tube Flange

Ø mm	Code
42.4	1806209CM

2 Hole Baluster Bracket

Ø mm	Code
42.4	1806212CM

Weld On Base Plate

Ø mm	Code
42.4	1806228CM

With 'O' ring & cover

Cover Plate

Ø mm	Code
42.4	1806236CM

Raised Top End Cap

Ø mm	Code
42.4	1806215CM

7 Groove Flat Top End Cap

Ø mm	Code
42.4	1806274CM
48.3	1806274DM

Glue fit.

Tube

Ø mm	Length m	Code
42.4	3	1806704CM
42.4	6	1806700CM
48.3	3	1806704DM
48.3	6	1806700DM

2mm thickness
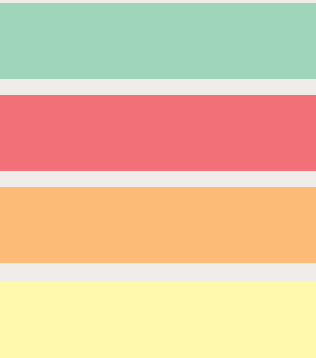
Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Mirror Finish Split Tube Rail System

Ø 42.4 & 48.3mm profiles

Split Tube

Ø 42.4mm Ø 48.3mm

14mm 24mm 24mm

13mm 30mm 27mm
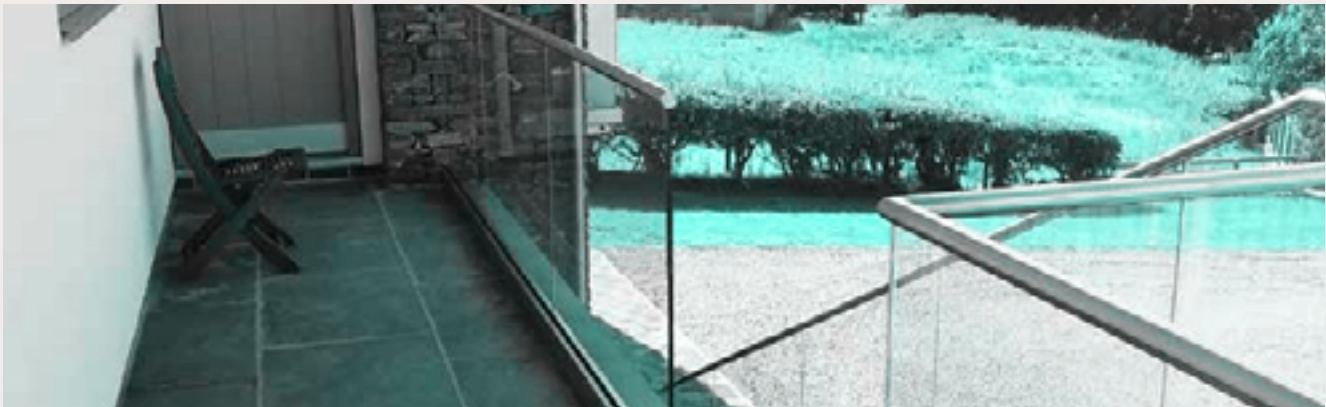
1.5mm wall thickness.

3m lenght

Ø mm	Code
42.4	18067053CM
48.3	18067053DM

6m lenght

Ø mm	Code
42.4	1806705CM
48.3	1806705DM

Gasket

Ø 42.4mm

Glass Thickness mm	Code
8 - 11	189903811C
11.5 - 13.5	189903115135C
15	18990315C
16 - 17.5	18990316175C
19	18990319C
20 - 21.5	18990320215C

Ø 48.3mm

Glass Thickness mm	Code
8 - 11	189903811D
11.5 - 13.5	189903115135D
15	18990315D
16 - 17.5	18990316175D
19	18990319D
20 - 21.5	18990320215D

90° Horizontal Corner

Ø mm	Code
42.4	1806411CM
48.3	1806411DM

25 - 55° Downwards Adjustable Connector

Ø mm	Code
42.4	1806416CM
48.3	1806416DM

25 - 55° Upwards Adjustable Connector

Ø mm	Code
42.4	1806417CM
48.3	1806417DM

End Cap

Ø mm	Code
42.4	1806413CM
48.3	1806413DM

Wall/Floor Flange

Ø mm	Code
42.4	1806415CM
48.3	1806415DM

Tube Adaptor

Ø mm	Code
42.4	1806414CM

In-Line Connector

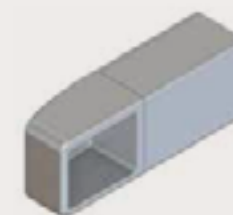| Ø mm	Code
42.4	1806412CM
48.3	1806412DM

Elegance Juliet Balcony

Features

» To suit 40 x 30mm rectangular top rail system, see page 26
» No welding required
» Designed for 12 - 21.5mm glass
» Reduced visual impact
» Glass is 80mm off the wall
» All products are satin polish finish

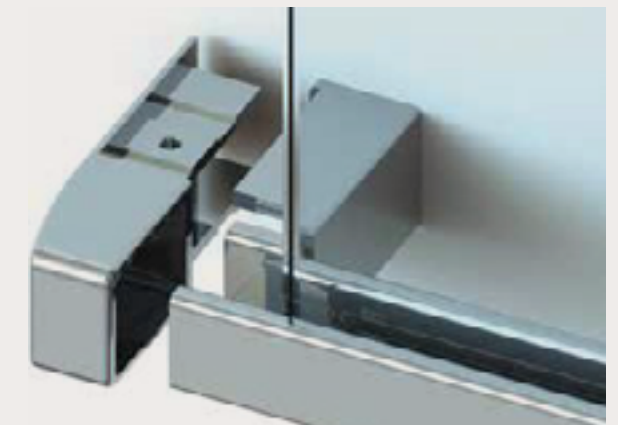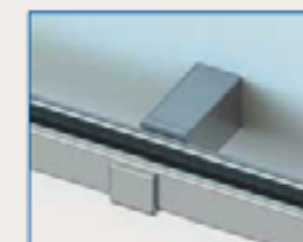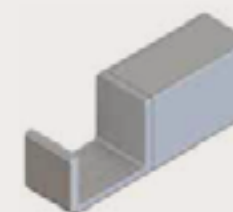## Bracket Set
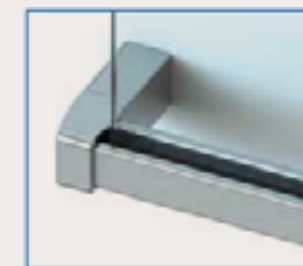
Fixing Holes Ø mm	Code
12	1822JBS4030

Sold in pairs, left & right hand side.

Exploded Bracket

Centre Support Bracket

Fixing Holes Ø mm	Code
12	1822CSB4030

Glass Support Bracket
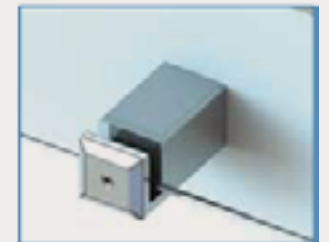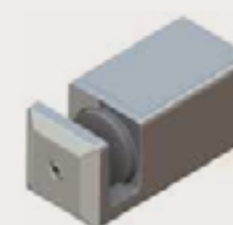
Fixing Holes Ø mm	Code
13 x 22	1822GSBS

Grade 304	Mild Steel
Grade 316	Galvanised
Zamac	Aluminium
Zinc	Duplex 2205

Split Tube

Length m	Code
3	180670534030
6	18067054030

Gasket

| To Suit Glass mm	Length m	Code
8 - 11	1	189903811C
11.5 - 13.5	1	189903115135C
15	1	18990315C
16 - 17.5	1	18990316175C
19	1	18990319C
20 - 21.5	1	18990320215C

Elegance Romeo Balcony

Features

» *To suit 60 x 30mm oval top rail system, see page 27*
» *No welding required*
» *Designed for 12 - 21.5mm glass*
» *Reduced visual impact*
» *Glass is 80mm off the wall*
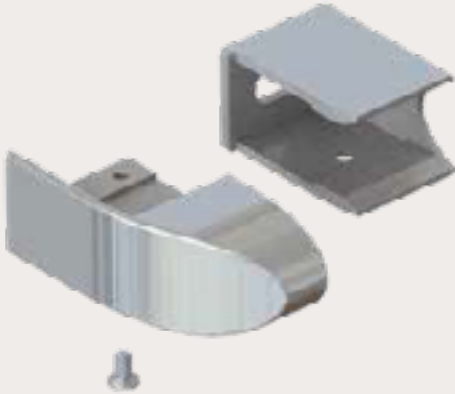» *All products are satin polish finish*

Bracket Set
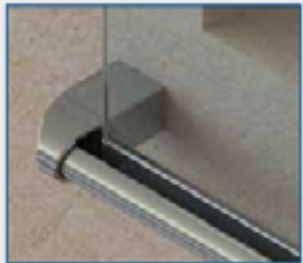
Fixing Holes Ø mm	Code
12	1822JBS6030

Sold in pairs, left & right hand side.

Exploded Bracket

Centre Support Bracket

Fixing Holes Ø mm	Code
12	1822CSB6030

Glass Support Bracket

Fixing Holes Ø mm	Code
13 x 22	1822GSBR

Grade 304		*Mild Steel*	
Grade 316		*Galvanised*	
Zamac		*Aluminium*	
Zinc		*Duplex 2205*	

Split Tube

Length m	Code
3	180670536030
6	18067056030

Gasket

To Suit Glass mm	Length m	Code
8 - 11	1	189903811C
11.5 - 13.5	1	189903115135C
15	1	18990315C
16 - 17.5	1	18990316175C
19	1	18990319C
20 - 21.5	1	18990320215C

Verona Juliet Balcony

For extra wall or tube support brackets see page 62.

For our full range of glass panels see pages 10, 11 & 37.

Centre Support Bracket

Rail	Opening Width mm	Overall Width mm	Ø mm	Glass mm	Code
Top	2300	2650	48.3	10	1806814D
Bottom	2300	2650	48.3	10	1806818D

Please order glass panels separately. Supplied with four wall brackets and one trellis bracket.

Glass Support Bracket

Rail	Opening Width mm	Overall Width mm	Ø mm	Glass mm	Code
Top	2300	2650	48.3	10	1806816D
Bottom	2300	2650	48.3	10	1806818D

Please order glass panels separately. Supplied with four wall brackets and one trellis bracket.

For our range of synergised™ aluminium decking & subframe see page 100.

Fortitude™

Introduction To The Range

SDS | Tech

Fortitude Traditional railings are one of the easiest, most versatile, off the shelf handrail solutions on the market today. The range consists of a series of railing panels, posts and brackets that can provide a number of different design solutions. Available in either a long lasting, UV resistant, stylish black sand or white gloss finish.

The steel panels can be cut to size on site, to suit different post centres. The innovative and unique steel raking panel can be adjusted, to allow the installation of railings on stairs and gradients, without needing to pre-fabricate. The panels are cleverly designed to conceal the pivot points of each spindle.

Our Fortitude Contemplation range of posts with glass clamps and 10mm standard glass panels, provide an off the shelf, stylish handrailing system, which maximises the view from your deck. There is nothing to stop the mixing of Traditional steel panels and Contemplation glass panels, to open up the view in specific sections of an installation.

The two styles of Contemporary Glass Panels or Slats, are supplied in a kit with an aluminium top and bottom rail, that cleverly integrates the glass into the design. The glass is available in a clear or grey tint. If you wish to cut the kits to length, glass can be supplied made to order to suit.
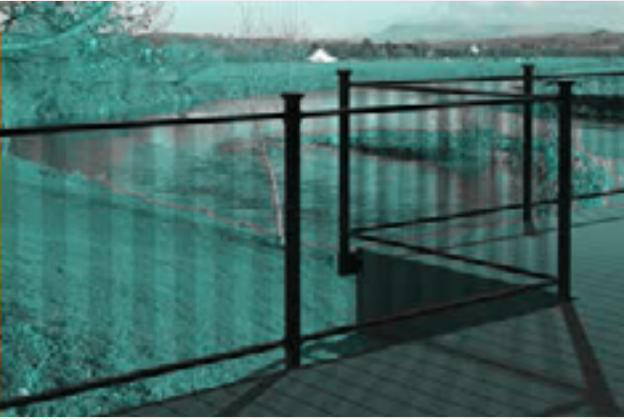
Contemplation

Traditional Panels

Contemporary Slats


Contemporary Panels

INTRODUCTION TO THE RANGE

Available in two polyester powder coated finishes, a contemporary black sand and an elegant white gloss. Fortitude is a high quality, long lasting handrailing solution. It is made from pre-galvanised steel, which is then sprayed with a protective zinc phosphate coating, then treated with a further coating, before finally getting treated with a high quality Akzo Nobel UV resistant powder coated finish.

FORTITUDE RAILINGS • PURE QUALITY • PREMIUM FINISH

- Made from pre-galv steel
- Zinc Phosphate pre-treatment
- Electro coated
- Quality Akzo Nobel powder coated finish
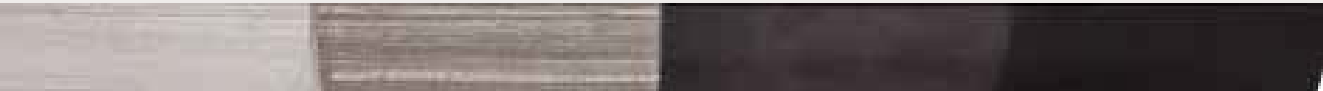
For ease and simplicity all our brackets are supplied with suitable fixings for use on steel or wooden posts.

Bracket For Steel Posts

Bracket For Brick Pillars

Bracket For Wooden Posts

Glass Clamps For Steel Posts

Raking panels adjust to max. 40º

Posts include a two part cover cap

Corner brackets adjust to 120º

Post caps easily slide on top of the posts

Stair bracket can adjust to 60º up or down & angle adaptor can adjust to 40º
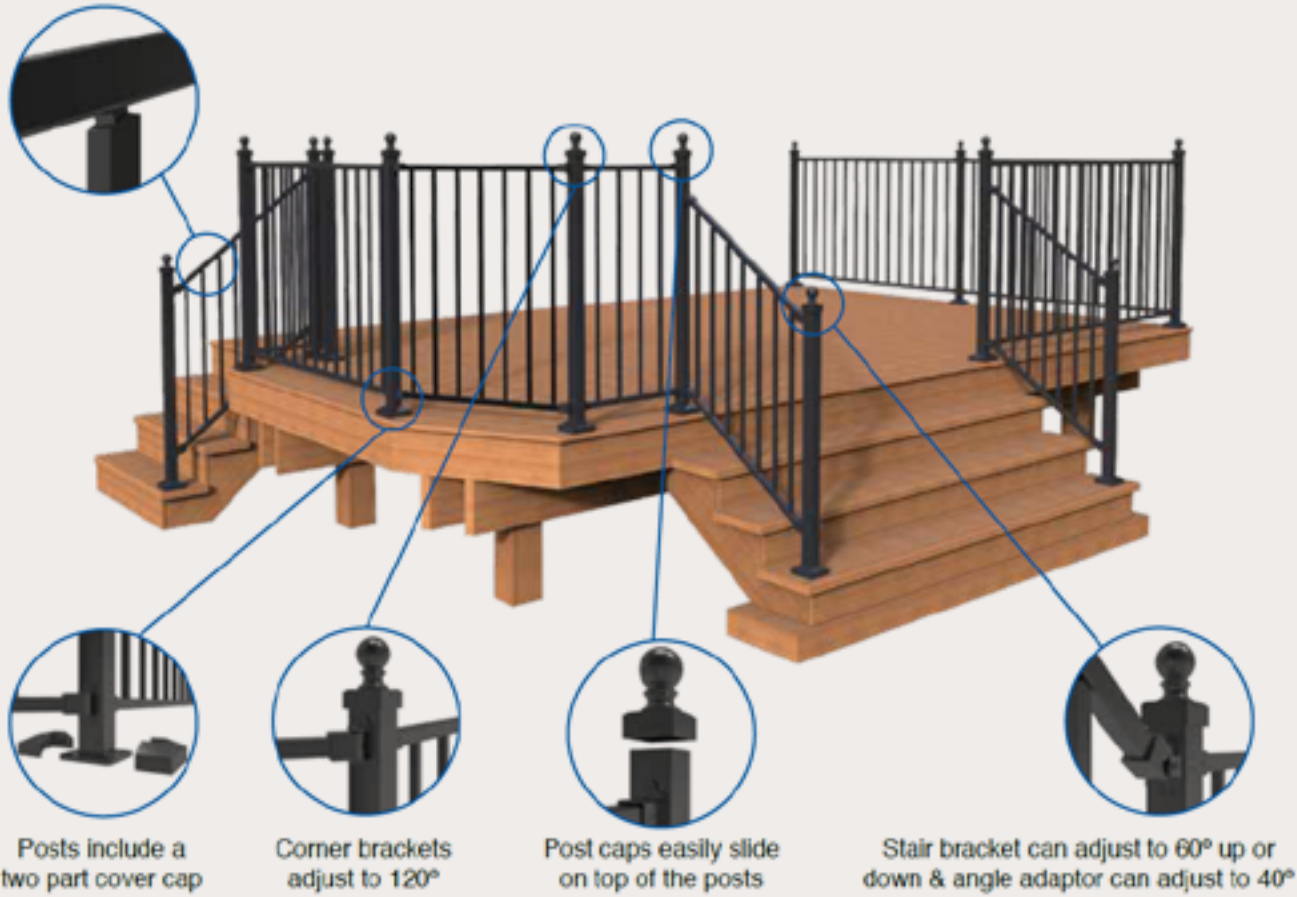
Introduction To The Range

Application Scenarios

Bolt-Down Posts
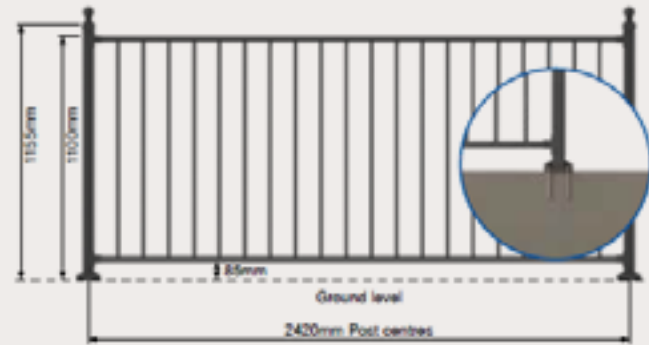
Pre-Assembled Posts With Glass Clamps
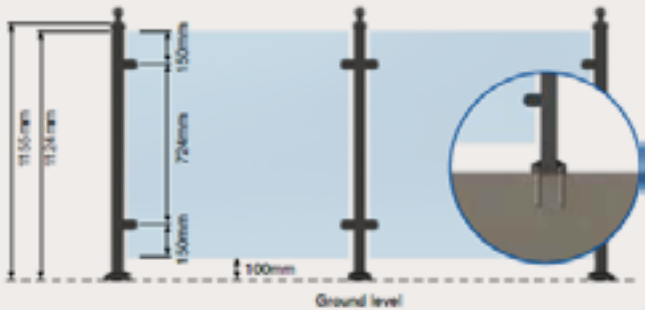
Side-Fix Posts With Fascia Brackets

Channel Kit With Glass Slats

Concrete-In Posts

Channel Kit With Glass Panels

Traditional Railing Panels

Steel Railings

Fixed Railing Panel

To give 1100mm high railings

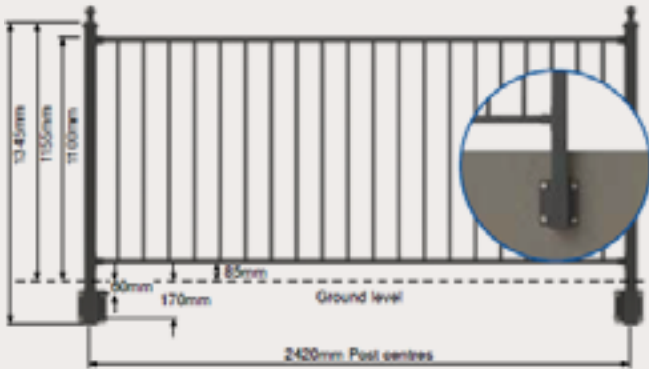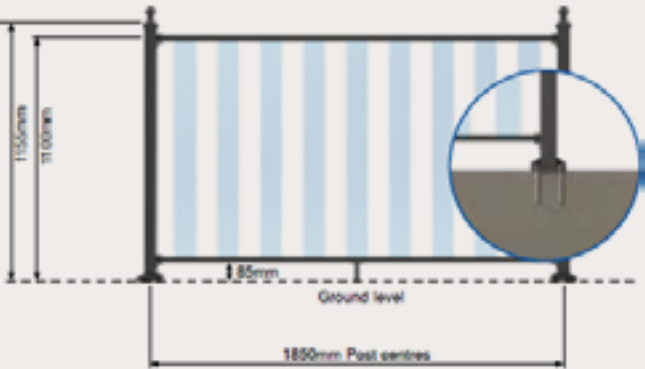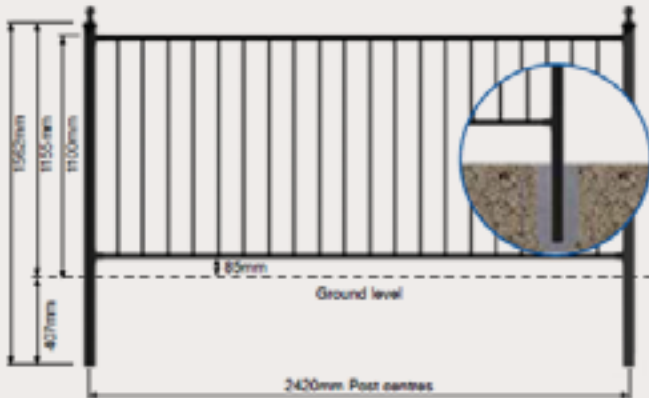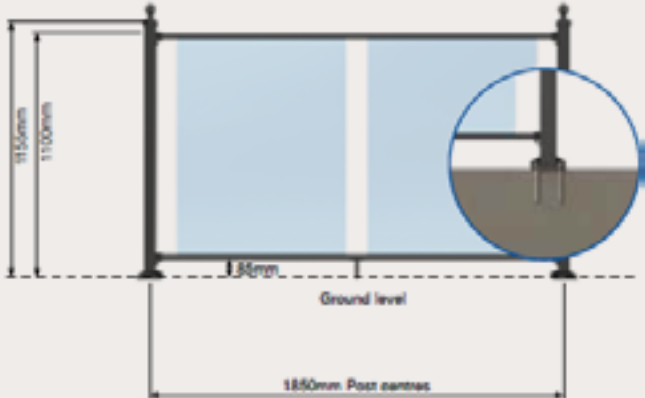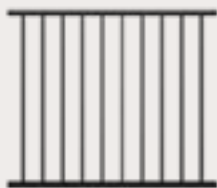| Color	Height mm	Width mm	Code
Black Sand	1016	1200	64FR1012B

Horizontal rails: 25mm x 1.5mm wall thickness. Infill bars: 16mm x 1.2mm wall thickness
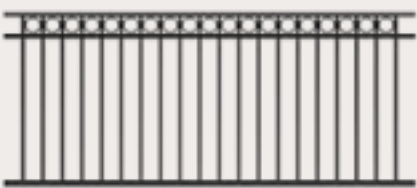
Fixed Railing Panel
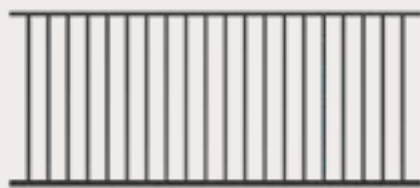
To give 1100mm high railings

Color	Height mm	Width mm	Code
Black Sand	1016	2370	64FR10B
White Gloss	1016	2370	64FR10W

Horizontal rails: 25mm x 1.5mm wall thickness. Infill bars: 16mm x 1.2mm wall thickness.

Fixed Circles Railing Panel

To give 1100mm high railings

Color	Height mm	Width mm	Code
Black Sand	1016	2370	64FRC10B
White Gloss	1016	2370	64FRC10W

Horizontal rails: 25mm x 1.5mm wall thickness. Infill bars: 16mm x 1.2mm wall thickness. Circles: Ø 96 x 8mm.

Adjustable Raking Panel
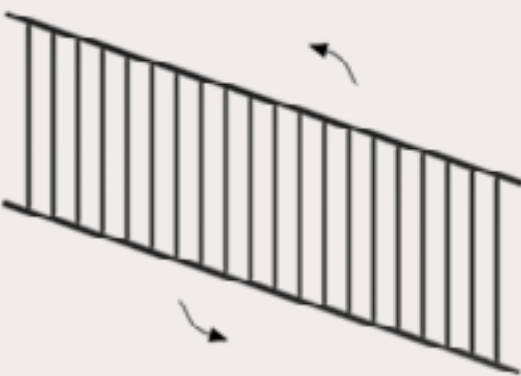
For stairs & slopes, up to 40°

Color	Height mm	Width mm	Code
Black Sand	863	2320	64ARP10B
White Gloss	863	2320	64ARP10W

Horizontal rails: 25mm x 1.5mm wall thickness. Infill bars: 16mm x 1.2mm wall thickness.

A TIME & MONEY SAVING SOLUTION FOR STAIRS OR SLOPES

ADJUSTABLE UP TO 40°.

EASY TO INSTALL.

Railing Gate Kit

To be used with a cut to size railing pane

Color	Code
Black Sand	64GK5011B
White Gloss	64GK5011W

38mm tube to create gate frame.

Gate Hinge

With 2 legs

Size mm	Code (Pair)
23 / 23	09FA20
White Gloss	64GK5011W

Maximum gate weight 52kg per pair. Polymer.

Unsprung Hinge

Suitable for 25 - 50mm posts

H x W mm	Code
90 x 70	09FA30
110 x 75	09FA31

Maximum gate weight 50kg per pair. Polymer.

MAGNA Latch

General purpose magnetic gate latch

Code
09FA27

Non-lockable. Side Pull. Polymer.

Fortitude™

Posts

Bolt-Down Steel Posts

50mm

75mm

Ø 13mm

101mm

Ø 13mm

133mm
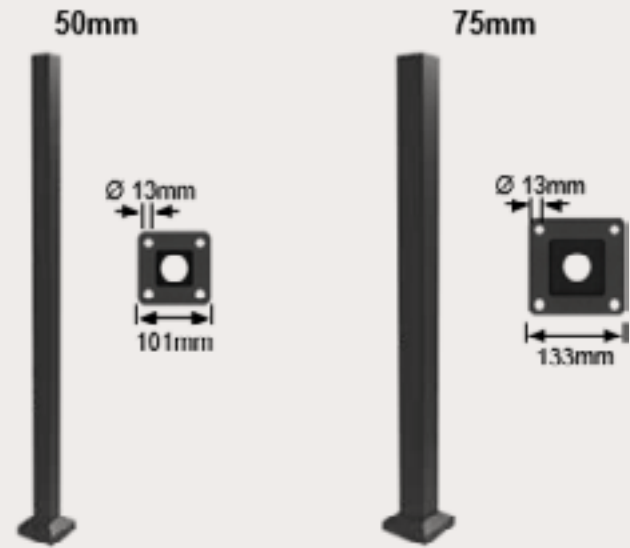
Supplied with base cover plate & protective cap. For fixing bolts use code: 5002HCS1075.

Color	Height mm	mm	Thickness mm	Code
Black Sand	1155	50	2.3	64PB5011B
Black Sand	1155	75	2.3	64PB7511B
White Gloss	1155	50	2.3	64PB5011W
White Gloss	1155	75	2.3	64PB7511W
Black Sand	1155	50	3.0	59PBF5011BS
Black Sand	1155	75	3.0	59PBF7511BS
White Gloss	1155	50	3.0	59PBF5011W
White Gloss	1155	75	3.0	59PBF7511W

Concrete - In
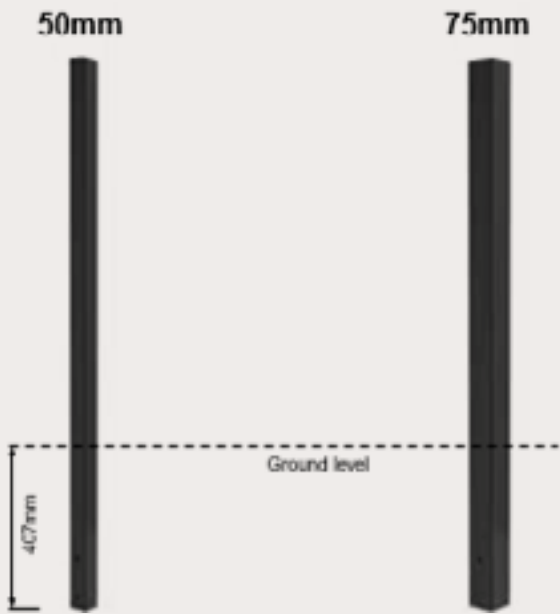
Color	Height mm	mm	Code
Black Sand	1562	50	64PC5011B
Black Sand	1562	75	64PC7511B

2.3mm thickness. Supplied with protective cap.

Hex Head With Flange

R-LX-HF-ZF

Description	Size mm	Code
For fixing fascia mount brackets	M10 x 75	5002HCS1075
For bolt-down & 75mm side-fix	M12 x 75	5002HCS1275

For cracked and non-cracked concrete. Wood fixings available on request.

Pre-Drilled Bolt-Down
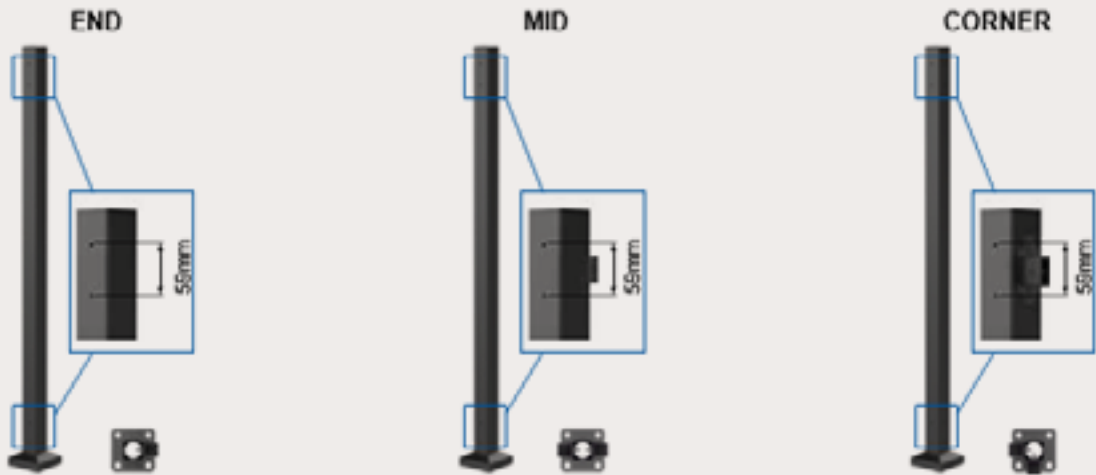
Description	Colour	Height mm	50mm Code	75mm Code
End	Black Sand	1155	64PBE5011B	64PBE7511B
Mid	Black Sand	1155	64PBM5011B	64PBM7511B
Corner	Black Sand	1155	64PBC5011B	64PBC7511B

2.3mm thickness. Supplied with base cover plate & protective cap. Ø 5mm pre-drilled holes. For use with fixed panels. Gives 1100mm high handrail on flat surfaces. For fixing bolts use code: 5002HCS1075.

Only for use with superior horizontal angle bracket or superior universal bracket.

Side-Fix Post
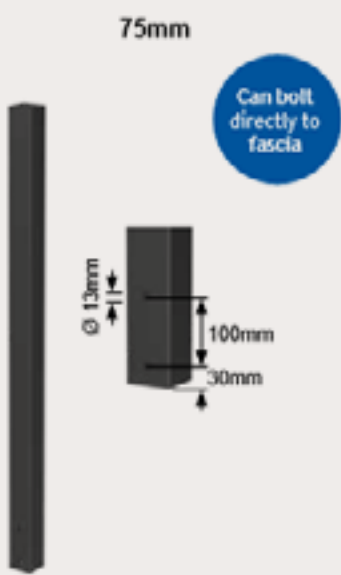
Color	Height mm	mm	Code
Black Sand	75	1345	59PSF7513BS
White Gloss	75	1345	59PSF7513W

3mm thickness. Post cap sold separately, see page 83.

Side-Fix Post And Fascia Brackets
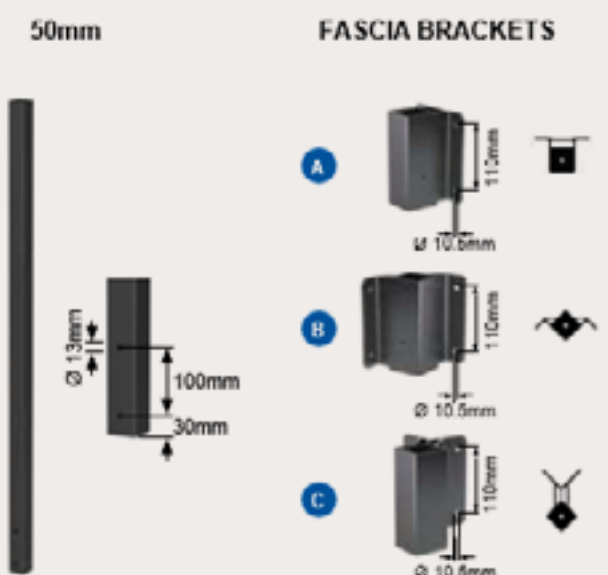
Color	Height mm	mm	Code
Black Sand	50	1345	59PSF5013BS
White Gloss	50	1345	59PSF5013W

3mm thickness. Post cap sold separately, see page 83.

Fascia Brackets

Bracket	Description	Color	Size mm	Code
A	End/Mid	Black sand	50	59FMM50BS
		White Gloss		59FMM50W
B	Inside Corner	Black sand	50	59FMIC50BS
		White Gloss		59FMIC50W
C	Outside Corner	Black Sand	50	59FMOC50BS
		White Gloss		59FMOC50W

3mm thickness. Post cap sold separately, see page 83.

Grade 304		Mild Steel	
Grade 316		Galvanised	
Zamac		Aluminium	
Zinc		Duplex 2205	

Choice Universal Bracket
For use with fixed & raking panels

Colour	To Suit mm	Code
Black Sand	25	**64CUB25B**
White Gloss	25	**64CUB25W**

Supplied as a pack of 4, with steel & wood fixings.

Choice Angle Adaptor
For horizontal & vertical angle applications, using the choice universal bracket, 40° left/right & up/down

Colour	Code
Black Sand	**64CAA25B**
White Gloss	**64CAA25W**

Supplied as a pack of 4, with set screws to screw to the universal bracket.

Superior Stair Bracket
For use with raking panel, 60° up & down

Colour	To Suit mm	Code
Black Sand	25	**64SSB25B**
White Gloss	25	**64SSB25W**

Supplied as a pack of 4, with steel & wood fixings.

Superior Horizontal Angle Bracket
For use with fixed panels, 60° left & right

Colour	To Suit mm	Code
Black Sand	25	**64SCB25B**
White Gloss	25	**64SCB25W**

Supplied as a pack of 4, with steel & wood fixings.

Superior Universal Bracket
For use with fixed panels

Colour	To Suit mm	Code
Black Sand	25	**64SUB25B**
White Gloss	25	**64SUB25W**

Supplied as a pack of 4, with steel & wood fixings.

Cap Rail Clip
For wooden handrail

Colour	To Suit mm	Code
Black Sand	25	**64CR25B**
White Gloss	25	**64CR25W**

Supplied as a pack of 4, with wood/composite fixings.

Post Caps, Brackets & Gate Kit

Ball Post Cap
50mm cap. / 75mm cap.

Colour	To Suit mm	Code
Black Sand	50	**64CB50B**
White Gloss	50	**64CB50W**
Black Sand	75	**64CB75B**
White Gloss	75	**64CB75W**

Pressed Post Cap

Colour	To Suit mm	Code
Black Sand	50	**64CD50B**
White Gloss	50	**64CD50W**
Black Sand	75	**64CD75B**
White Gloss	75	**64CD75W**

Pyramid Post Cap

Colour	To Suit mm	Code
Black Sand	50	**64CP50B**
White Gloss	50	**64CP50W**
Black Sand	75	**64CP75B**
White Gloss	75	**64CP75W**

Touch Up Paints
Spray

Colour	ml	Code
Black Sand	400	**29PC400SBS**
White Gloss RAL 9016	400	**29PC400SW**

Brushable

Colour	ml	Code
Black Sand	125	**29PC125TBS**
White Gloss RAL 9016	125	**29PC125TW**

Supplied with brush.

Drilling Templates
Universal Bracket Template

Code
64UT25

To ensure quick & easy positioning of brackets

Contemplation

Image Shows Assembled Posts


Pre-Drilled Posts For Glass Clamps

END | MID | CORNER

Remember to order your glass clamps
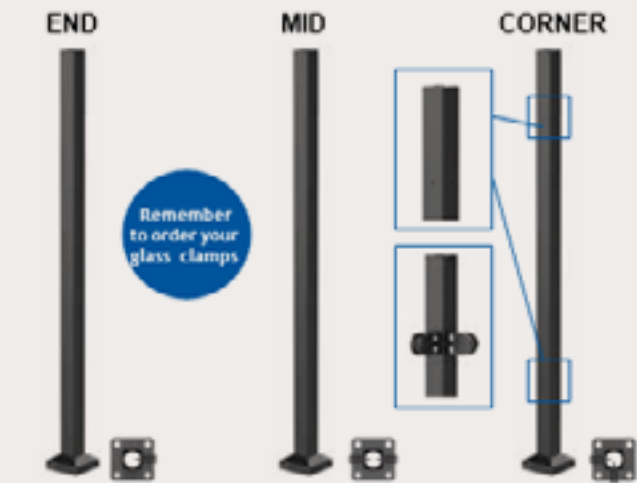
Desc-ription	Color	Height mm	50mm Code	75mm Code
End	Black Sand	1155	64PB76150B	64PB76175B
Mid	Black Sand	1155	64PB76250B	64PB76275B
Corner	Black Sand	1155	64PB76350B	64PB76375B

Glass Panels

Width mm	Code
100	1855101001024
200	1855102001024
300	1855103001024
400	1855104001024
500	1855105001024
600	1855106001024
700	1855107001024
800	1855108001024
900	1855109001024
1000	18551010001024
1100	18551011001024

Round Glass Clamp Flat Back

50mm post | 75mm post
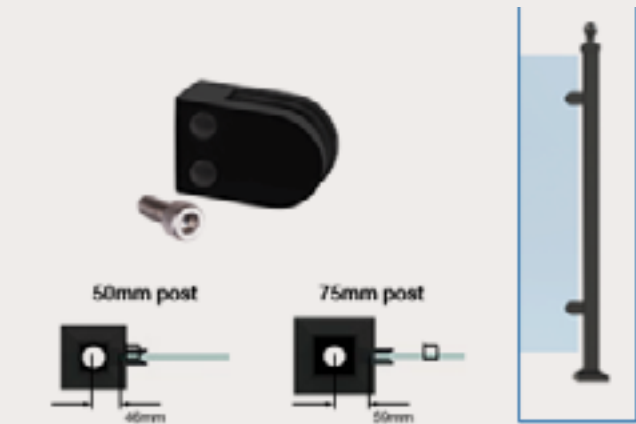
Colour	To Suit Glass	Code
Black Sand	10mm	1805401FBS

Supplied as a pack of 4, with cover caps and bolts for fixing to post. Cast aluminium.

CONTEMPORARY GLASS SLATS & PANELS

Tech

Glass Panels System

To achieve this look, order:
- 1 x channel kit, colour options below
- 2 x glass panels 760 x 1000 x 8mm, code: 1855087601000
- 1 x railing bracket (pack of 4) colour options below

Railing Kit

To suit 8mm glass panels

Don't forget to order railing brackets!

Finish/Colour	Len-gth m	Height mm	Width mm	Code
Mill finish	1.8	25	38	59AC3818R
Black Gloss	1.8	25	38	59AC3818BG
Black Sand	1.8	25	38	59AC3818BS
White Gloss	1.8	25	38	59AC3818W

Kit includes 2 x channels, 4 x gaskets, 6 x wedges, 1 x support foot with 1 x wood screw and 2 x self-drilling screws. Glass and railing brackets sold separately.

Glass Slats System

To achieve this look, order:
- 1 x channel kit, colour options below
- 1 x glass slats kit, see glass colour options right
- 1 x railing bracket (pack of 4) colour options below

Glass Slats Kit

For use with Channel Kit

Glass	Height m	Width mm	Thickness mm	Code
Clear	1.0	95	8	59GP188C
Grey Tinted	1.0	95	8	59GP188T

Kit includes 9 x slats, 18 x gaskets and 14 x wedges to cover a 1.8m length.

Railing Bracket

Pack of 4

Finish/Colour	To suit mm	Code
Mill finish	25 x 38	59BR3825R
Black Gloss	25 x 38	59BR3825B
Black Sand	25 x 38	59BR3825BS
White Gloss	25 x 38	59BR3825W

Supplied as a pack of 4, with 12 x self-drilling screws.

Concrete Screws & Bolts

COUNTERSUNK SCREW CR-LX-CS-ZF

FEATURES

- ETA 17/0806
- Zinc flake
- Self-tapping
- Completely removable for possible reuse
- Non-expansion
- For use with cracked & non-cracked concrete

APPLICATIONS

- Through-fixing
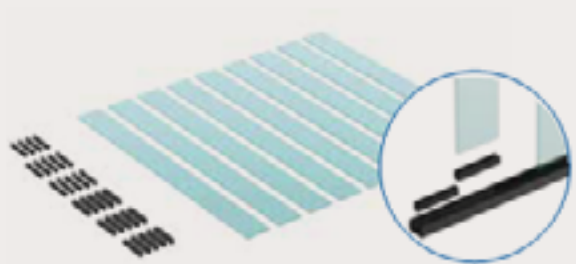- Temporary anchorage
- Framework support systems
- Balustrading & handrails
- Fencing & gates manufacturing & installation
- Racking systems
- Public seating
- Scaffolding

Drill Size mm	Thread Ø mm	Length mm	Max Fixture Thickness mm	CE	Code
5	6.3	75	32	√	5002CCS575
6	7.5	75	32	√	5002CCS675
8	10.0	75	25	√	5002CCS875
10	12.5	75	20	√	5002CCS1075
10	10.0	100	50	√	5002CCS8100
12	12.5	100	45	√	5002CCS10100

HEX HEAD WITH FLANGE R-LX-HF-ZF

FEATURES

- ETA 17/0806
- Zinc flake
- Self-tapping
- Completely removable for possible reuse
- Non-expansion
- For use with cracked & non-cracked concrete

APPLICATIONS

- Through-fixing
- Temporary anchorage
- Framework support systems
- Balustrading & handrails
- Fencing & gates manufacturing & installation
- Racking systems
- Public seating
- Scaffolding

Drill Size mm	Thread Ø mm	Length mm	Max Fixture Thickness mm	CE	Code
5	6.3	75	50	√	5002HCS575
6	7.5	75	35	√	5002HCS675
8	10.0	75	25	√	5002HCS875
10	12.5	75	20	√	5002HCS1075
12	14.9	75	10	√	5002HCS1275
8	10.0	100	50	√	5002HCS8100
10	12.5	100	45	√	5002HCS10100
12	14.9	100	35	√	5002HCS12100
14	17.0	115	40	√	5002HCS14115

MULTI-FIX HEX HEAD BOLT

APPLICATIONS

- Heavy duty non-expansion anchor
- New solution for heavy duty anchoring into concrete, brick, stone, wood & concrete block replacing the need for traditional anchors
- For use in pre-drilled shallow concrete holes
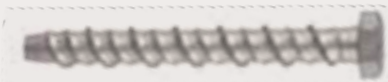
- Unique patented concave thread design which taps its own thread & provides rapid, low torque installation with exceptional pull-out resistance
- High low parallel threads for ease of insertion and high pull out values
- It allows the user to adjust or remove & use again

Ø mm	Length mm	Code
M10	60	5002MF10860
M10	75	5002MF10875
M10	100	5002MF108100
M10	150	5002MF108150
M12	75	5002MF121075
M12	100	5002MF1210100

Ø mm	Length mm	Code
M12	130	5002MF1210130
M12	150	5002MF1210150
M14	75	5002MF141275
M14	100	5002MF1412100
M14	150	5002MF1412150

Anchors & Bolts

THROUGH BOLT

APPLICATIONS

• ETA option 1 to attach objects or structures to cracked or non-cracked concrete

Drill Size Ø mm	Anchor Length mm	Max Fixture Thickness mm	Code
8	90	30	16248
10	95	35	162410
12	100	25	162412
16	105	10	162416
20	125	5	162420

Zinc plated.

THROUGH BOLT R-XPTii

APPLICATIONS

• ETA option 1 to attach objects or structures to cracked or non-cracked concrete

Drill Size Ø mm	Anchor Length mm	Max Fixture Thickness mm	Code
8	95	45	5006TB08100
10	95	35	5006TB10100
12	100	25	5006TB12100
16	125	5	5006TB16125
20	125	5	5006TB20125

CONTERSUNK THROUGH BOLT R-SPLII-C

APPLICATIONS

• Used to firmly affix steel to concrete

Drill Size mm	Thread Ø mm	Anchor Length mm	Max Fixture Thickness mm	CE	Code
10	M6	80	25	√	50CSSA0680
12	M8	90	26	√	50CSSA0890
15	M10	100	27	√	50CSSA10100
18	M12	125	33	√	50CSSA12120

LOOSE BOLT WITH SHIELD ANCHOR R-RBL

APPLICATIONS

• Used to attach objects or structures to concrete

Drill Size mm	Thread Ø mm	Anchor Length mm	Max Fixture Thickness mm	CE	Code
14	M8	65	40	√	5006LB0860
16	M10	90	25	√	5006LB1085
20	M12	100	25	√	5006LB12100

Chemical Fixings & Cleaning Tools

Rockite Concrete Compound
Fast setting hydraulic style cement for interior use.

kg	Code
2.2	189900665
400	29PC400SW

Hole Cleaning Blow Pump

Code
50HCBP

Hole Cleaning Brush

Size mm	Code
M8	50HCBM08
M10	50HCBM10
M12	50HCBM12

Anchors, Bolts & Studding

TARMAC FIXING With rubber sleeve

APPLICATIONS

• Specialist rubber fixing designed for fixing steel to Tarmac or Asphalt surfaces and many other surfaces/materials

Thread Ø mm	Overall Length mm	Hole Ø mm	Wall Thickness mm	Flange Thickness mm	Flange Ø mm	Required Tightening Torque Nm	Bolt Code	Fixing Sleeve Code
M8	50	18	25.0 - 35.0	1.6	20.0	8	50HS08X80TF	1205TF08R
M10	55	20	25.0 - 35.0	1.3	22.5	10	50HS10X80TF	1205TF10R
M12	125	24	35.0 - 45.0	1.3	27.0	15	50HS12X80TF	1205TF12R

R-STUD With hex head

APPLICATIONS

• Used to firmly affix steel to concrete

Thread Ø mm	Drill Size Ø mm	Anchor Lenght mm	Code
M8	10	110	5002RS8110
M10	12	130	5002RS10130
M12	14	160	5002RS12160
M16	18	190	5002RS16190
M20	24	260	5002RS20260
M8	10	110	5006RS8110
M10	12	130	5006RS10130
M12	14	160	5006RS12160
M16	18	190	5006RS16190

WIRE MESH SLEEVE For use with R-Studs

APPLICATIONS

• Used to firmly affix steel to concrete

Sleeve Size mm	Stud Size	C€	Code
12 x1000	M8	√	50WMS081000
16 x1000	M10	√	50WMS101000
22 x1000	M16	√	50WMS161000
26 x1000	M20	√	50WMS201000

RESIN SOCKET For use with adjustable stand-off adaptor
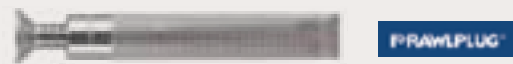
Thread Ø mm	Drill Size Ø mm	Overall Length mm	C€	Code
M10	20	100	√	5004RS10100F

Stainless steel Grade 304 socket and 316 bolt.

Chemical Fixings

RKEM + Chemical Fixing
A high performance, styrene free system that is suitable for use in concrete & other solid hollow masonry structures

RKER II Hybrid Resin
Suitable for use in dry & wet substrates & water filled holes

RKER II Mixer Nozzles
Special 14 element mixing nozzle allows for proper mixing of the resin, which ensures the reliability of the curing process

ml	Code
300	05RKEM

ml	Code
300	50RKER300

Code
50RKERMN

Accessories

Threaded Rods

Ø mm	Length mm	Code
M6	1000	**50TR06X1**
M6	3000	**50TR06X3**
M8	1000	**50TR08X1**
M8	3000	**50TR08X3**
M10	1000	**50TR10X1**

Ø mm	Length mm	Code
M10	3000	**50TR10X3**
M12	1000	**50TR12X1**
M12	3000	**50TR12X3**
M16	3000	**50TR16X3**
M20	3000	**50TR20X3**

Ø mm	Length mm	Code
M6	1000	**5006TR06X1**
M6	3000	**5006TR06X3**
M8	1000	**5006TR08X1**
M8	3000	**5006TR08X3**
M10	1000	**5006TR10X1**
M10	3000	**5006TR10X3**

Ø mm	Length mm	Code
M12	150	**189900641**
M12	1000	**5006TR12X1**
M12	3000	**5006TR12X3**
M16	3000	**5006TR16X3**
M20	3000	**5006TR20X3**

Studding Connectors

Ø mm	Code
M6	**50RC06**
M10	**50RC10**
M12	**50RC12**

Addax Plus Sds Bit

Lenght mm	Ø mm	Code
210	8	**50SDS08210**
210	10	**50SDS10210**
210	12	**50SDS12210**

Universal Plugs & Screws

Size Ø mm	Pack Qty	Code
6	500	**50UPS6R**

6 x 28mm plugs, 4.5 x 40mm screws.

Size Ø mm	Pack Qty	Code
7	450	**50UPS7B**

7 x 30mm plugs, 4.0 x 40mm screws.

Universal Frame Fixing (R-FFS)

The unique expansion zone ensures optimal anchorage depth, guaranteeing the highest fastener load capacity. Thanks to this, it can be used in all types of substrates with minimum installation times. High load capacities and the use of steel class 6.8 make it recommended for light steel structures like balustrades and handrails.

FEATURES

- Hexagonal head with collar
- R90 fire resistance and A1 fire classification allow the product to be used in most applications
- High shear strength thanks to the use of steel grade 6.8
- Quick installation thanks to 2 reduced anchoring depths: 40 mm in concrete and solid brick* (categories A and B*) 50 mm in substrates with hollow brick and aerated concrete (categories C and D)
- Use a punch-tool to increase a performance in aerated concrete

BASE MATERIALS

- Cracked and non-cracked concrete ≥ C12/15 (Use category A)
- Solid brick or solid sand-lime brick (Use category B)
- Hollow brick or hollow sand-lime brick (Use category C)
- Aerated or hollow lightweight concrete block (Use category D)

Please note the plastic plug is fitted through the fixture so the screw has no contact with the material eliminating cross contamination from dissimilar metals.

Plug Ø mm	Plug Lenght mm	Screw Lenght mm	Max Fixture Thickness		Code
			40mm	50mm	
10	50	59	10	–	**5002FFS1050**
10	60	69	20	10	**5002FFS1060**

Drill size Ø 12mm.

Grade 304		Mild Steel	
Grade 316		Galvanised	
Zamac		Aluminium	
Zinc		Duplex 2205	

Adhesives & Sealants

High Strength Retainer Glue
For use with tube fittings

ml	Code
50	1899007638

Adhesive Activator
Reduces curing time when used with Loctite 638

ml	Code
150	18990087649

Instant Adhesive
Supplied with plunger and needle for accurate application. For use as thread lock adhesive.

| ml	Code
50	1899007454

Loctite Silicone Sealant
Gives an all-round waterproof seal

Color	ml	Code
Clear	310	18990125366
Black	310	18990125368

Silicone Sealant
Gives an all-round waterproof seal

Color	ml	Code
Clear	310	189901201
Black	310	189901202

Sealant Gun

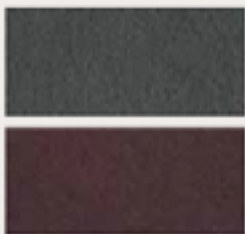| Code |
|------|
| 189900666 |

Cleaning Products

Stainless Cleaning Wipe
Removes finger & hand marks left during installation
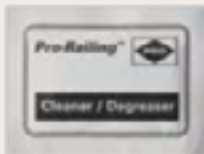
Code
189900901

Polishing Cloths
For removal of light scratches on stainless tube & fittings

Description	Code
Fine (grey)	189901101
Medium (red)	189901102

Bond It Glass Cleaner
Fast acting all purpose cleaner with non-smear formulation

Litre	Code
1	1859GC1

Use with code: 29RT150.

Low Lint Texteline Cloths
Pack of 150

Code
29RT150

Ideal for use with code: 1859GC1.

Micro Fibre Cloth
Pack of 10

Color	ml	Code
Yellow	400 x 400	29MFC40

For our range of stainless steel components see from page 56.

Protective Clothing

Latex Gloves Size 8

Code
185900101

Based around a 10 gauge 100% Kevlar liner with a natural rubber latex crinkle coating that provides good grip in wet or dry conditions, abrasion & tear resistant. The thumb is fully coated to protect the most vulnerable part of the hand.

Heavy Duty Mittens For razor barb

Code
080618

Red Superior Gauntlet

Code
60EAD009

You can order online 24 hours a day, 7 days a week. Visit our website.

Double Head Rubber Suction Cup

Suction Cups Ø mm	Max. lift kg	Code
120	70	185900104

For use in hand lift applications only. All are fitted with a rubber suction which will not damage contact surface during the lifting action.
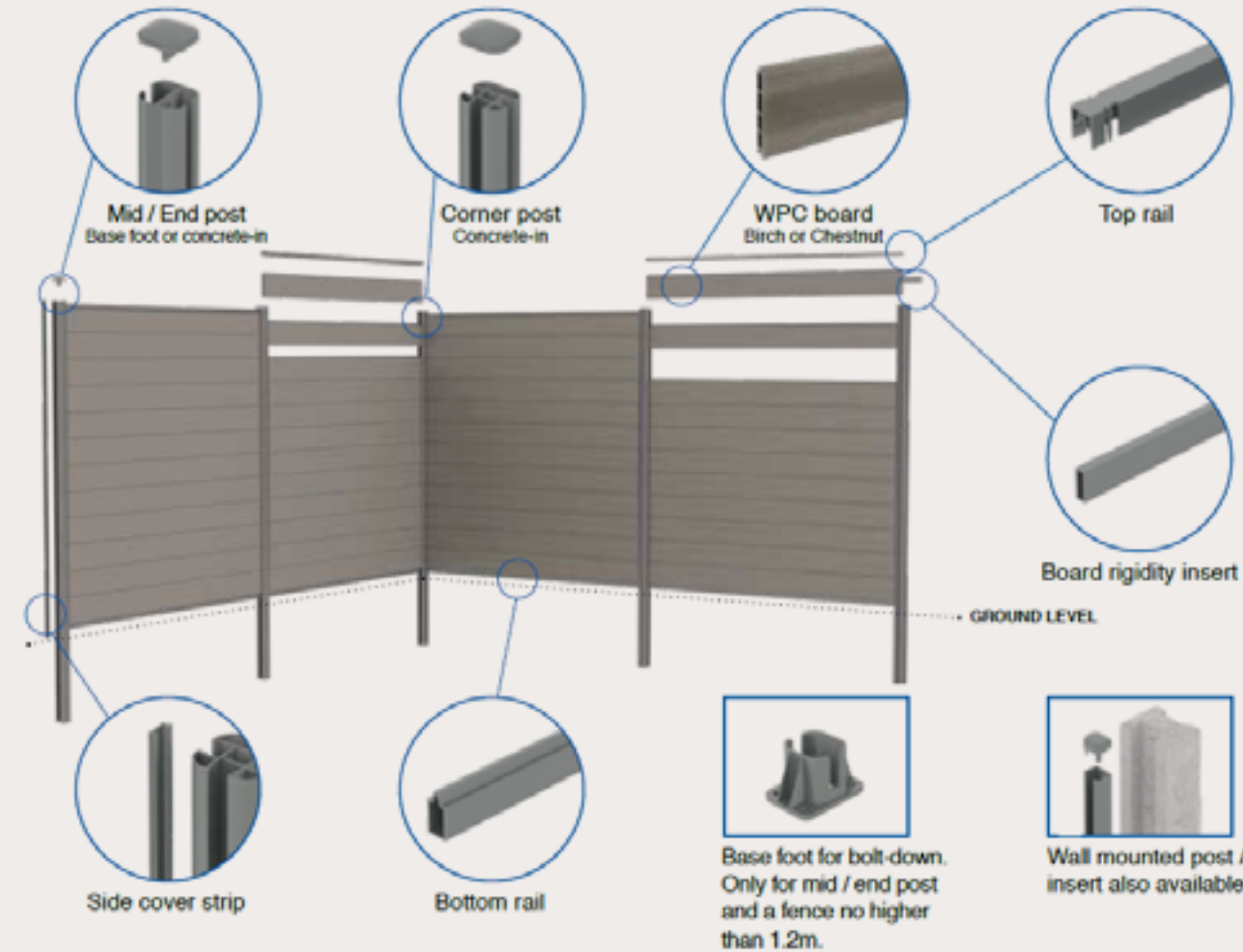
Rinato™ WPC Fencing

The look of wood without the hassle

Our Rinato WPC fencing system looks amazing and is both easy to use and cost effective. It will also enhance any garden and create a contemporary focal point. This versatile recycled composite system is an eco-friendly product made from combining waste wood particles and thermoplastic resin. It is waterproof, strong and easy to maintain. We have bolt-down and concrete-in aluminium post options, and if you would like to use our WPC fencing between your existing concrete posts we have inserts to fit them. We have two colours to choose from: Chestnut or Birch.

- Long-lasting & low maintenance
- Boards available in 2 colours - Birch or Chestnut
- Standard fence height 1.8m with 1.8m post centres
- Aluminium concrete-in or bolt-down post options available
- Posts & boards can be cut to create a lower or narrower fence
- No more frost damaged, cracked or chipped concrete posts
- Panels are built quickly using tongue & groove boards
- Easy to carry & deliver; much lighter than concrete posts
- Recycled, eco-friendly FSC® certified wood
- Wall mounted post / insert available for pre-existing posts

Mid / End post
Base foot or concrete-in

Corner post
Concrete-in

WPC board
Birch or Chestnut

Top rail

Board rigidity insert

GROUND LEVEL

Side cover strip

Bottom rail

Base foot for bolt-down.
Only for mid / end post
and a fence no higher
than 1.2m.

Wall mounted post /
insert also available.

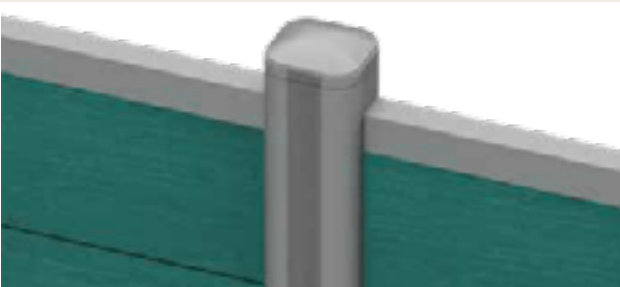|			
Grade 304		Mild Steel	
Grade 316		Galvanised	
Zamac		Aluminium	
Zinc		Duplex 2205	

Birch - Price Per Metre Run With Concrete-In Mid / End Posts
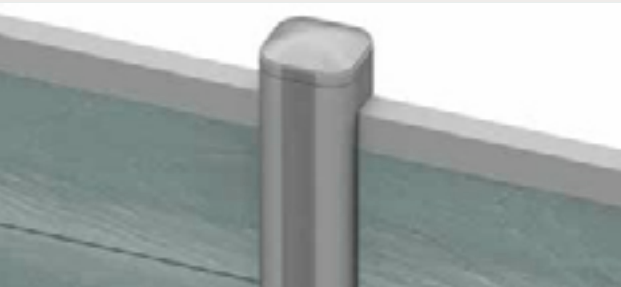
Fence Height m	Code
1.8	72FP18BM

Metre price includes concrete in posts, WPC boards and panel pack. Please add any additional corner or end posts required to the order.

Chestnut - Price Per Metre Run With Concrete-In Mid / End Posts

Fence Height m	Code
1.8	72FP18CM

Metre price includes concrete in posts, WPC boards and panel pack. Please add any additional corner or end posts required to the order.

MID / END POST
Bolt-down or concrete-in

CORNER POST
Concrete-in

WALL MOUNTED POST / INSERT
For use with pre-existing concrete post or wall mounting.

Color	Fence Height m	HxWx D mm	Code
Grey	1.8	2400 x 73 x 66	72PC18iG

Includes 1 x post cap with screw, 2 x plastic height setting pieces with 2 x screws, 1 x long side cover strip & 2 x short side cover strips. Aluminium PPC RAL 7012.

| Color	Fence Height m	HxWx D mm	Code
Grey	1.8	2400 x 73 x 66	72PC18CG

Includes 1 x post cap, 1 x long side cover strip and 2 x short side cover strips. Aluminium PPC RAL 7012.

Color	Fence Height m	HxWx D mm	Code
Grey	1.8	1905 x 48 x 40	72Pi18G

Includes 1 x post cap and 2 x post cap screws. Fix with screws & plugs or glue, depending on your posts and preference. Aluminium PPC RAL 7012.
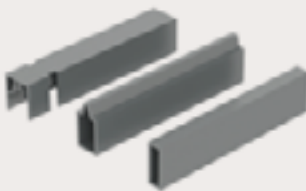
Base Foot

For use with Mid / End post only, for a fence no higher than 1.2m.
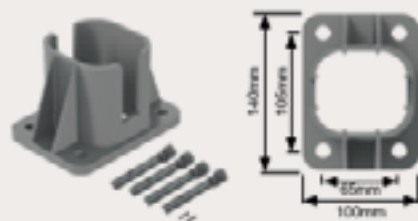
Color	HxWx D mm	Code
Grey	90 x 100 x 140	72BFG

Includes 2 x screws and 4 x anchor sleeves. Aluminium PPC RAL 7012.
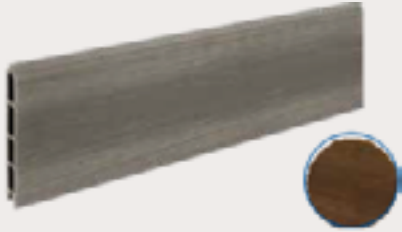
Panel Pack

Color	Code
Grey	72FPR18G

Includes 1 x top rail, 1 x bottom rail and 3 x board rigidity inserts. Aluminium PPC RAL 7012.

WPC Double-Sided Board

Smooth & realistic wood grain effect

Color	HxWx D mm	Code
Birch	1783x150*x21	72FPS18B
Chestnut		72FPS18C

Includes 6 x boards per pack. *Overall height 159mm; to the shoulder 150mm.

Synergised™
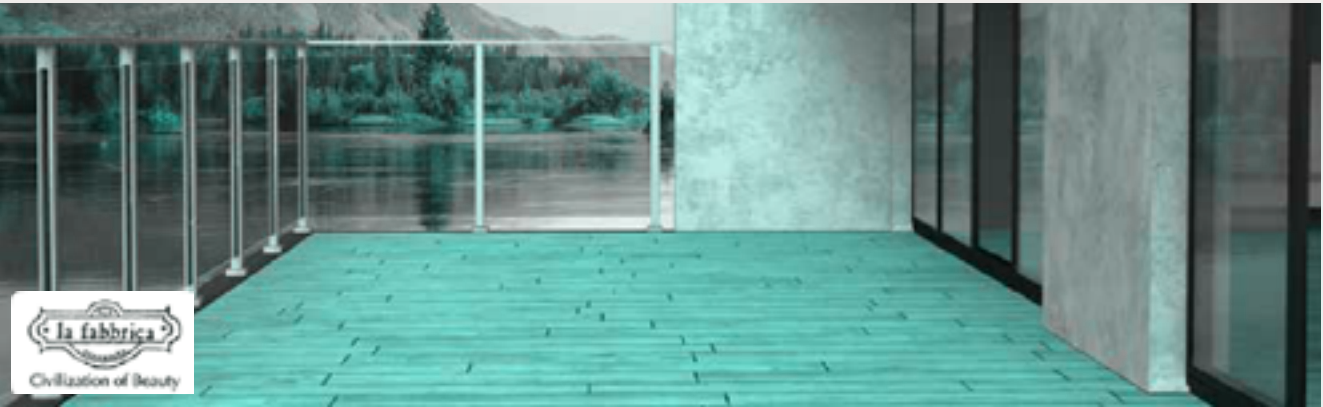
External Decking Solutions

Page 97 - Porcelain Tiles

Page 100 - Aluminium Deck Boards
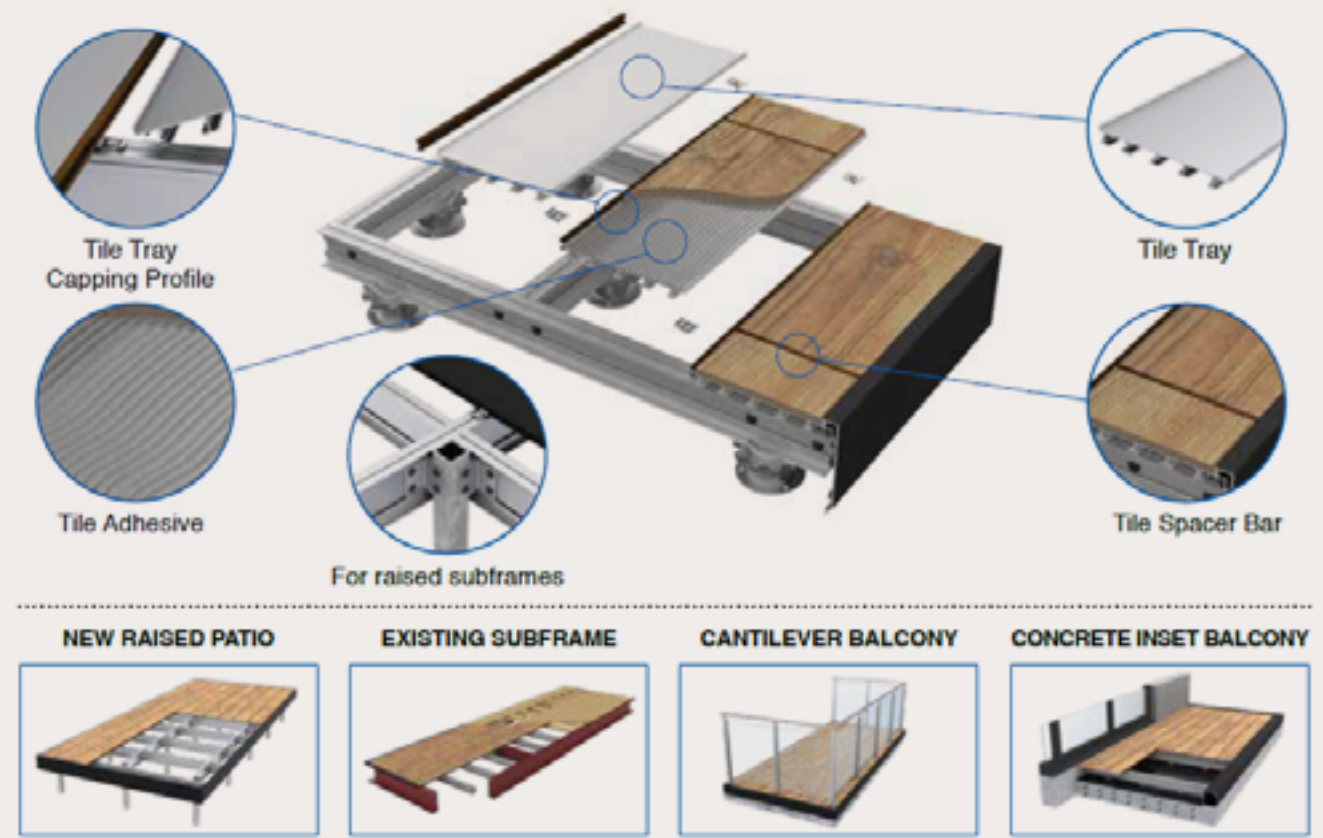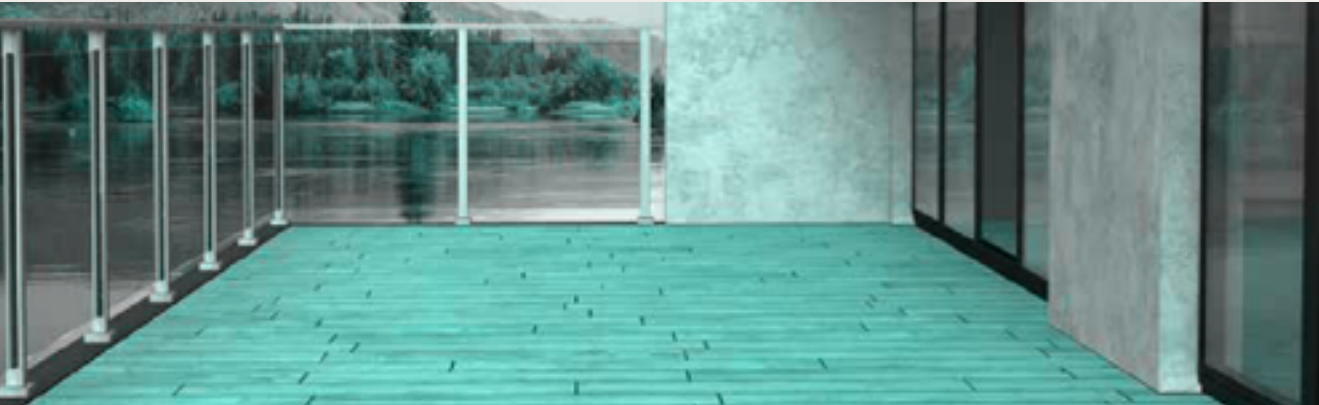
As part of our Synergised framing & decking program the La Fabbrica range of porcelain stoneware reaches new heights in style and engineering, taking all the beauty and charm of the finest timbers. Safe, sustainable, versatile, and refined, Italian excellence with unbeatable quality. The tiles can flow seamlessly from inside your house to outside, changing only the surface texture with the designs dominated by the warmth and texture of wood. Whether on flat ground, a raised patio or high-rise balcony, you can now step out of your house onto porcelain tiles that look like natural wood. And it's fire rated too covering all current and proposed fire regulations.

Ca' Foscari recreates the warmth and natural appearance of textured wood, while the knots and veining in Yosemite convey the warm and traditional recreation of wood. Both offer elegant and contemporary style to any setting, whether residential or commercial it offers a long lasting low maintenance solution.

- Stunning wood effect Italian porcelain from one of Italy's top design houses
- A1 and A2fl-s1 fire rated
- Low surface temperatures
- Ideal for elevated patios, all decking applications, and all types of balconies
- Build your dream elevated stone
- patio without the need for expensive retaining walls and backfill materials
- 1000mm joist spacing for 30mm boards & tile support trays
- Dramatic reduction in hard landscaping costs
- Perimeter base section allows for our wide range of handrail systems to be fully integrated into your project

Synergised™ - Porcelain Tiles

External Decking Solutions

Tile Tray Capping Profile — Tile Adhesive — For raised subframes — Tile Tray — Tile Spacer Bar

NEW RAISED PATIO — EXISTING SUBFRAME — CANTILEVER BALCONY — CONCRETE INSET BALCONY

The perimeter base section allows for our wide range of handrail systems to be fully integrated. See page 103.

CA'FOSCARI COLLECTION
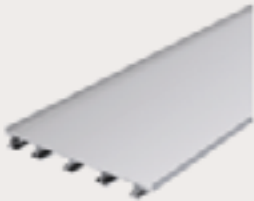
Tile size: L 1200 x W 200 x D 10mm.
Supplied as box of 4.

Avana	Canape	Lino	Moro	Tobacco
Code	Code	Code	Code	Code
79P1221AE	79P1221CE	79P1221LE	79P1221ME	79P1221TE

Acccessories

Tile Tray Profile

L x W x D mm	Code
3600 x 200 x 30	**79TT30**

Requires 2 joining plates per join, code: 79DJP. Mill finish.

Joining Plate

Quantity	Code
100	**79DJP**

2 per join. For use with tile tray code: 79TT30.

Tile Adhesive

Description	ml	Code
Fire rated	300	**79FRTA**
General Purpose	290	**79GPTA**

YOSEMITE COLLECTION

Tile size: L 1200 x W 200 x D 10mm.
Supplied as box of 4.

Mulberry	Olive	Shell	Tan	Walnut
Code	Code	Code	Code	Code
79P1221YME	79P1221YOE	79P1221YSE	79P1221YTE	79P1221YWE

Tile Tray Capping Profile

L x W mm	Code
3600 x 8	**79TCP**

For use with tile tray profile code: 79TT30. Aluminium Grade GT547. Bronze anodised finish.

Tile Spacer bar

L x W mm	Code
200 x 4	**79FSB200**

Bronze anodised finish.

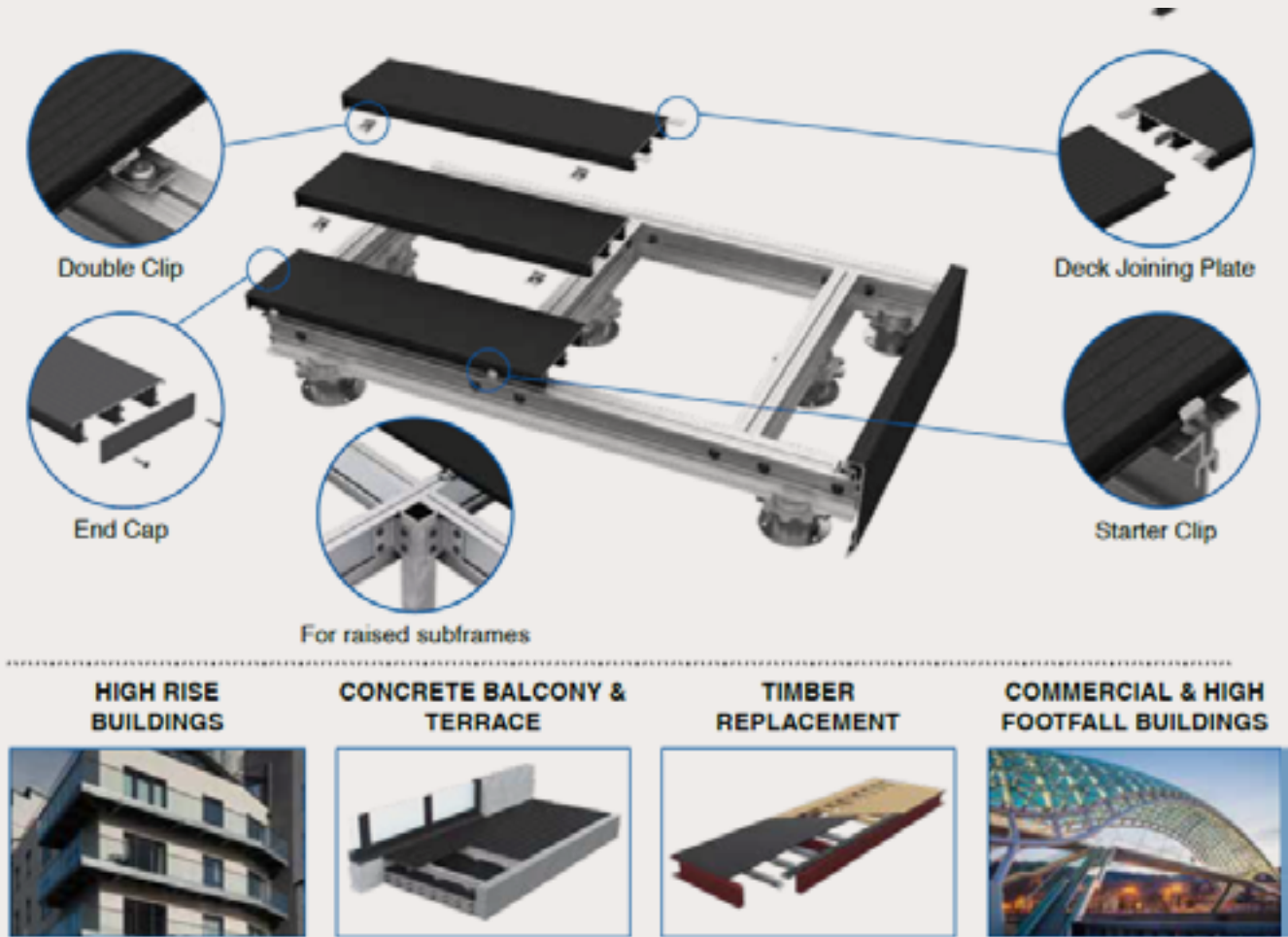### Exploded View Of Tile Tray Assembly
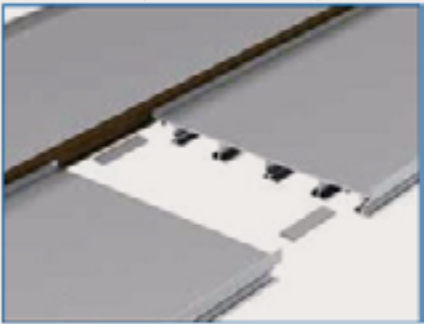
Synergised™ - Decking System

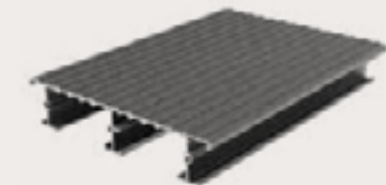## Innovative fire rated aluminium decking solutions

The Synergised range of aluminium deck products has been tested by the UK's leading fire test centre to EN 13823,

EN 13501 and EN ISO 1716. All elements of the Synergised System achieve Euroclass Classifications of A1 and A2fl-s1. Available in 3 contemporary colours and manufactured from structural grade 6063 T6 aluminium with a 100 micron Qualicoat™ premium powder coating, these are the ideal decking solution for both residential and commercial high footfall environments such as high rise balconies, walkways, terraces, pubs, gardens and much more. Installation couldn't be easier, with our innovative cradle base and joist support system that offers up to 50% cost saving compared to other solutions. Once installed the system is long lasting and low maintenance with a manufacturer's limited warranty

- A1 and A2fl-s1 fire rated
- Made from structural grade 6063 T6 aluminium
- Ideal for high rise concrete balconies & terraces
- Up to 50% cost saving when compared to other systems
- 100 micron Qualicoat™ premium powder coating
- Adjustable cradle and deck support system

- Cradle spacing up to 1800mm
- Low surface temperatures
- Long lasting and low maintenance
- Lightweight and easy to install
- Mill finish subframes and cradles
- 10 year warranty on powder coating

Double Clip

End Cap

Deck Joining Plate

Starter Clip

For raised subframes

HIGH RISE BUILDINGS

CONCRETE BALCONY & TERRACE

TIMBER REPLACEMENT

COMMERCIAL & HIGH FOOTFALL BUILDINGS

Deck Boards

Anthracite

Length mm	Width mm	Depth mm	Code
3600	145	30	79DB30A

RAL 7016.

Black
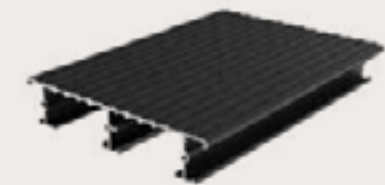
Length mm	Width mm	Depth mm	Code
3600	145	30	79DB30B

RAL 9005.

Serengeti Sand
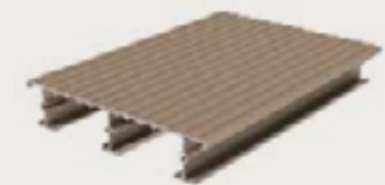
Length mm	Width mm	Depth mm	Code
3600	145	30	79DB30SS

RAL 1019.

End Caps

Anthracite

Code
79DBEC30A

RAL 7016. Supplied with all fixings. Requires Torx15 bit, code: 79TX001.

Black

Code
79DBEC30B

RAL 9005. Supplied with all fixings. Requires Torx15 bit, code: 79TX001.

Serengeti Sand

Code
79DBEC30SS

RAL 1019. Supplied with all fixings. Requires Torx15 bit, code: 79TX001.

Deck Jouning Plate

Quantity	Code
100	79DJP

3 per join.

Starter Clip

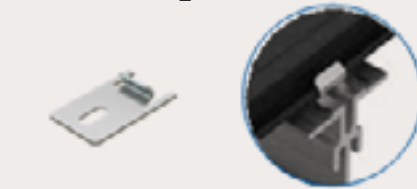| Quantity	Code
1	79DSC01

Use 4 per full length board. For screws, use code: 79SS.
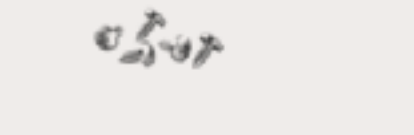
Double Clip

Quantity	Code
1	79DC01

Use 4 per full length board. Leaves 5mm gap between deck boards. For screws, use code: 79SS.

Screws
For starter, double clips & joist mounting clips

Quantity	Code
100	79SS

TORX15 BIT
For end cap fixings

Quantity	Code
1	79TX001

TORX40 BIT
For 90° brackets fixings

Quantity	Code
1	79TX002

Touch Up Paint
For deck boards

Color	ml	Code
Anthracite RAL 7016	400	29PC400SASY
Black RAL 9005	400	29PC400SBSY
Serengeti Sand RAL 1019	400	29PC400SSSY

Subframe & adjustable cradles

Joists

20mm Profile

Length mm	Width mm	Height mm	Code
3600	40	20	79J020

70mm Profile

Length mm	Width mm	Height mm	Code
3600	40	70	79J070

120mm Profile
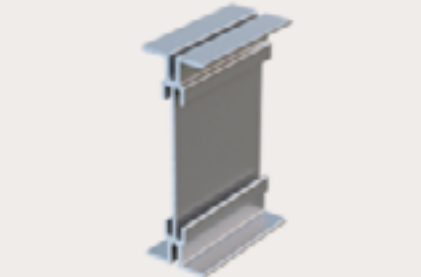
Length mm	Width mm	Height mm	Code
3600	40	120	79J120

Joists Joining Kits

Corner Brace
To suit 20 / 70mm joist profiles

Quantity	Code
1	79CB20

Supplied with all fixings. Drill 3.5mm pilot holes into joists. Requires Pozi-Drive bit to tighten

90° Bracket
To suit 70mm joist profile

Quantity	Code
4	79JBK70

Supplied with all fixings. Drill 8.5mm pilot holes into joists. Requires Torx40 bit, code: 79TX002

90° Bracket
To suit 120mm joist profile

Quantity	Code
4	79JBK120

Supplied with all fixings. Drill 8.5mm pilot holes into joists. Requires Torx40 bit, code: 79TX002

Joist Mounting Clip
To suit 70 / 120mm joist profiles
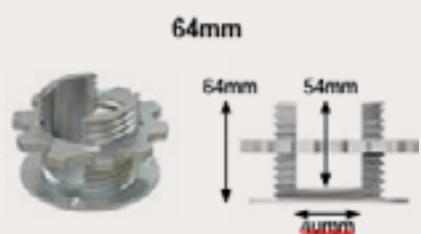
Quantity	Code
1	79MP01

Used to mount the joist to the floor, existing subframe or to stack joists. For screws to stack joist to joist, use code: 79SS
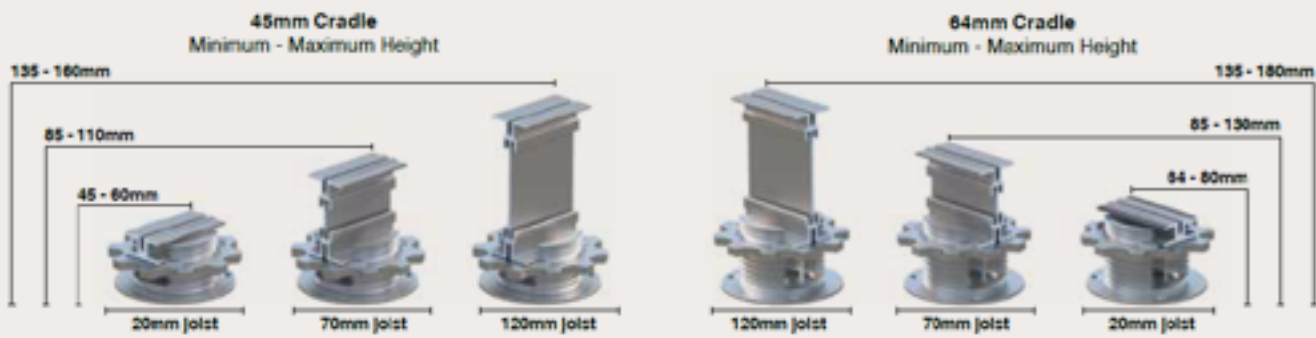
Adjustable Cradles

45mm

Code
79PED45

Minimum height 45mm. Maximum height 160mm.

64mm

Code
79PED64

Minimum height 64mm. Maximum height 180mm.

45mm Cradle
Minimum - Maximum Height

135 - 160mm
85 - 110mm
45 - 60mm
20mm Joist   70mm Joist   120mm Joist

64mm Cradle
Minimum - Maximum Height

135 - 180mm
85 - 130mm
64 - 80mm
120mm Joist   70mm Joist   20mm Joist

Synergised™ - Decking System

Perimeter Based System

Perimeter Base Section

Internal Perimeter Support Jack

Fascia Stand-Off Bracket

Edge Fascia Profile

**PERIMETER BASE SECTION ASSEMBLY**

FOR RAISED SUBFRAMES
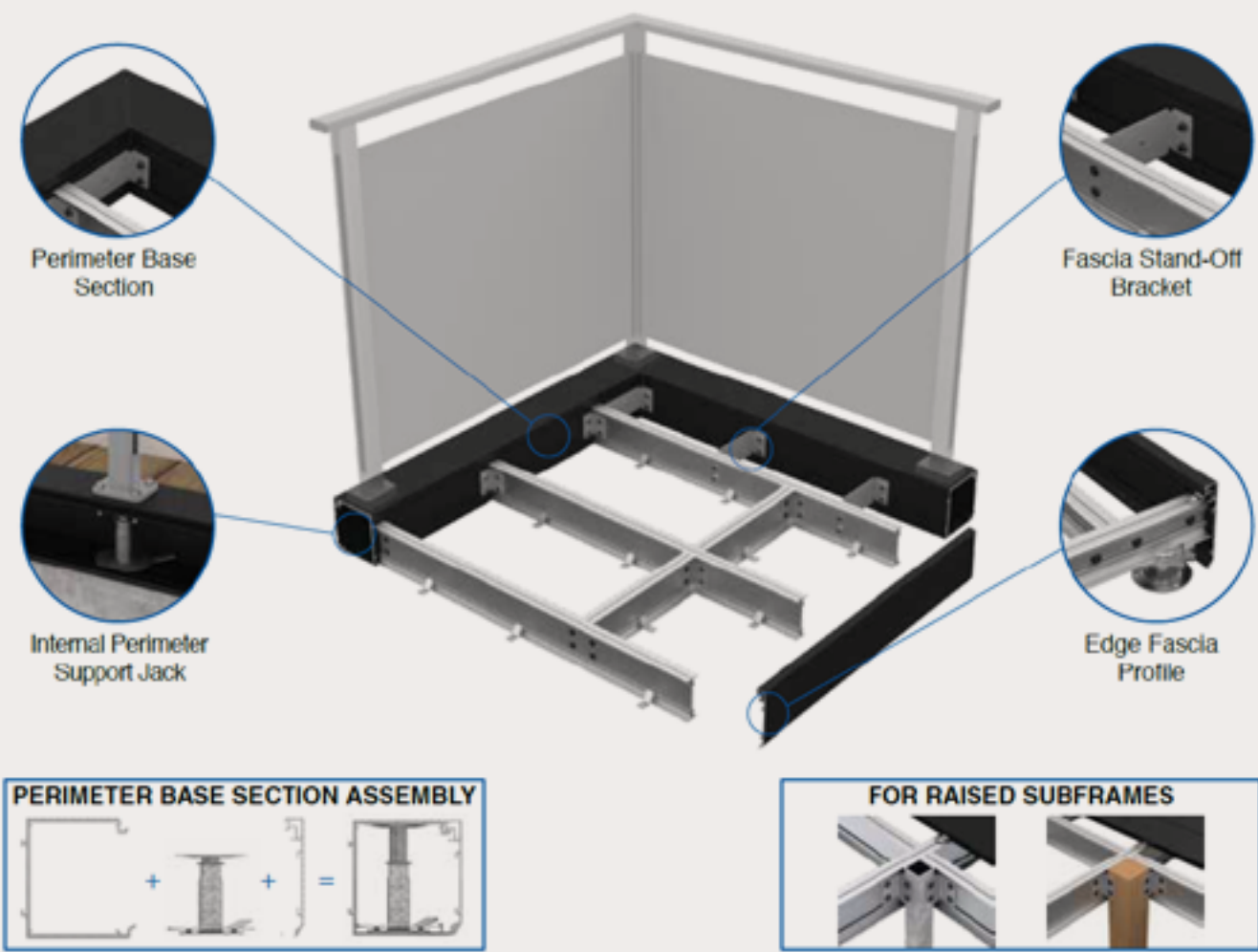
Our unique innovative perimeter base section, bolts directly to the Synergised subframe. It allows for a wide range of our base fix handrailing solutions to be bolted down to the perimeter, to provide a safe, stunning edge protection where there is a fall of more than 600mm. The Internal Perimeter Support Jack provides the strength required to allow handrailing systems to reach the desired residential 0.74kn loading requirements, as per BS6180.

If handrailing is not required, then our Edge Fascia Profile can be fitted to discreetly hide the subframe. The Edge Fascia Profile is supplied powder coated black, to contrast stylishly with the range of ceramic tiles and handrailing solutions, it also perfectly matches the perimeter base section when used alongside on the same project.

Perimeter Base Section

Quantity	Code
100	**79SS**

For use with edge fascia profile code: 79EFB100. Polyester powder coated black RAL 9005.

Edge Fascia Profile

L x D mm	Code
3600x100	**79EFB100**

Polyester powder coated black RAL 9005.

Internal Perimeter Support Jack

Rotate lever

Code
79PBSP01

Adjust to desired height and rotate lever to lock in place.

Fascia Stand-Off Bracket

Code
79TBC

For use with perimeter base section code: 79PB150B. Stainless steel.

Create a Stunning Finish With Rinato™ Deck Boards
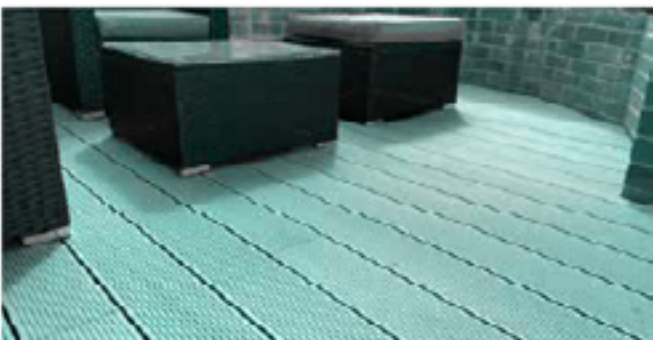
Rinato™ Deck Boards

The Look of Wood Without the Hasstle

With our range of composite deck boards there is a style, colour and price to suit everyone. These boards are easy to install and look fantastic. As well as being environmentally friendly, all our decking is virtually maintenance free, is incredibly durable and will remain so for years to come. Experience the beauty of wood without the hassle.

FEATURES

- Virtually maintenance free
- Does not absorb moisture
- Easy to keep clean & stain free
- Excellent UV resistance
- Splinter free
- Anti-slip resistance tested
- Mould free
- Rot free
- Easy to install
- Workability - similar to wood
- Solid & hollow core options
- Made from recycled material
- Recyclable
- Non-toxic
- Flammability tested

AVAILABLE IN TWO RANGES:

NATURAL - Features a 360 degree wrap around Polymer Capstock shield that encapsulates the hollow core deck board and gives it year-round protection against the elements and is suitable for a variety of outdoor uses. Available in 3 colours and with an enhanced natural woodgrain effect one side and traditional flat sanded effect the other.

VICTORIA - Uses less composite material thanks to the 'M' design on the underside, making the board lighter and more economic, the perfect cost-friendly choice for every garden, balcony or patio. Available in 4 colours, boards are single-sided with a choice of natural woodgrain effect or a traditional grooved effect across all the colours.

All our deck boards are supported with a warranty.

Natural ↑   Victoria ↑

Rinato™

Natural Deck Boards

Cedar Dawn   **Platinum Ash**   **Twilight Grey**

Deck Boards - Double-Sided

Length mm	Width mm	Depth mm	Code
3.66	140	22	70CD001
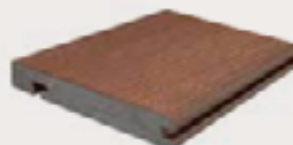
Length mm	Width mm	Depth mm	Code
3.66	140	22	70PA001
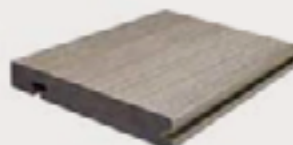
Length mm	Width mm	Depth mm	Code
3.66	140	22	70TG001
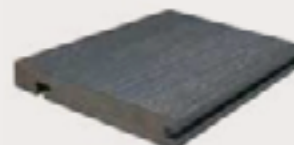
Starter Boards (Used at the start of a run to hide starter clips)

Length mm	Width mm	Depth mm	Code
3.66	140	22	70CD005

Length mm	Width mm	Depth mm	Code
3.66	140	22	70PA005

Length mm	Width mm	Depth mm	Code
3.66	140	22	70TG005

Fascia Boards

Length mm	Width mm	Depth mm	Code
3.66	10	22	70CD004

Length mm	Width mm	Depth mm	Code
3.66	70	10	70PA004

Length mm	Width mm	Depth mm	Code
3.66	10	70	70TG004

L Shaped Trims

Cedar Dawn   **Platinum Ash**   **Twilight Grey**

Length mm	Width mm	Depth mm	Code
3.66	50	50	70CD003

Length mm	Width mm	Depth mm	Code
3.66	50	50	70PA003

Length mm	Width mm	Depth mm	Code
3.66	50	50	70TG003

Fixings

Starter Clip
- Used to start a run of deck boards
- Supplied in packs of 10 with screws

Double Clip
- 1mm gap between deck boards
- Supplied in packs of 50 with screws

Plastic Double Clip
- 7mm gap between deck boards
- Supplied in packs of 100 with screws

Pack Quantity	Code
10	66SC01

Pack Quantity	Code
50	66DC01

Pack Quantity	Code
100	70FCP01

Starter Clip   Double Clip   Plastic Double Clip
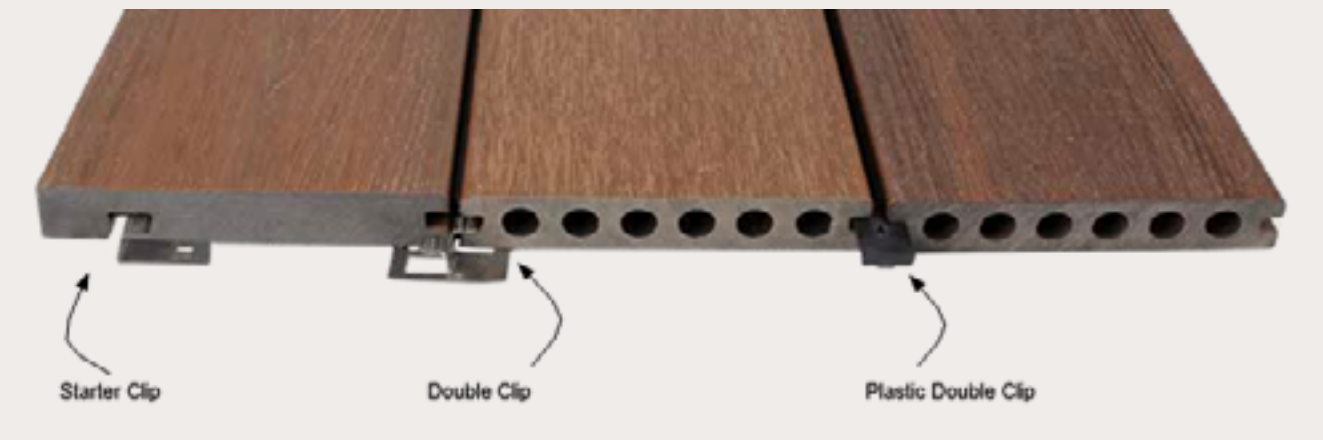
For our full range of fixing clips see page 109.

Rinato™

Victoria Deck Boards

Teak

Redwood

Grey

Ebony

Wood Grain Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71T004

Wood Grain Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71R004

Wood Grain Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71G004

Wood Grain Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71E004

Grooved Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71T003

Grooved Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71R003

Grooved Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71G003

Grooved Deck Board

Length mm	Width mm	Depth mm	Code
3.6	135	23	71E003

Starter Boards - Only For The Victoria Range

Length mm	Width mm	Depth mm	Code
2.4	168	23	71T005

Length mm	Width mm	Depth mm	Code
2.4	168	23	71R005

Length mm	Width mm	Depth mm	Code
2.4	168	23	71G005

Length mm	Width mm	Depth mm	Code
2.4	168	23	71E005

Fixings

Starter Clip

- Screws sold separately
- Stainless steel & PPC black

Pack Quantity	Code
1	71SC003
25	71SC003P

Double Clip

- 7mm gap between deck boards
- Screws sold separately
- Stainless steel & PPC black

Pack Quantity	Code
1	71DC003
100	71DC003P

Full Range Of Fixing Clips

No.	Type	Material	Color	Gap Between Boards mm	Number of Clips per Pack	Number of Clips Needed per sq/m	Clip Code	Screws Included	Screw Code
1	Starter Clip	Stainless Steel	Silver	0	10	N/A	**66SC01**	Yes	N/A
2	Double Clip	Stainless Steel	Silver	1	50	18	**66DC01**	Yes	N/A
3	Double Clip	Plastic	Black	7	100	18	**70FCP01**	Yes	N/A
4	Starter Clip	Stainless Steel	Black	7	1	N/A	**71SC003**	No	71SS003*
	Starter Clip	Stainless Steel	Black	0	25	N/A	**71SC003P**	No	71SS003*
5	Double Clip	Stainless Steel	Black	7	1	18	**71DC003**	No	71SS003*
	Double Clip	Stainless Steel	Black	7	100	18	**71DC003P**	No	71SS003*
6	Double Clip	Nylon	Black	7	100	18	**71DCN003P**	No	71SS003*

*Supplied in a pack of 100. For screw driver bit use code: 66TX001.

NB. We recommend 9 clips per board length when using Natural boards and 12 clips per board length when using Victoria boards.
We also recommend using 10 starter clips per perimeter/starter board across the range.

A Range Of Handrailing Perfectly Designed For Decking

Spigots

Fortitude™

Pre-Assemled Posts

Marano®

Top Rail

Frameless

For more information visit our website.

2022

UTEGLASS
GLASSREKKVERK SPESIALISTEN

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Email: ruben@prorailing.no
Web: www.prorailing.no