

Colour 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 this section. Products not colour coded will state their material or finish below the table.

	Grade 304 Stainless steel (Internal)
	Grade 316 Stainless steel (External)
	Zamac (Zinc aluminium alloy)
	Zinc coated steel
	Mild steel
	Galvanised steel
	Aluminium
	Duplex 2205 (Ultra marine stainless)

Icons

Throughout this section there are various icons to help you with your product selection.

 Diameter

 Technical information that can be found on our website

 Scan for more information

Fixings





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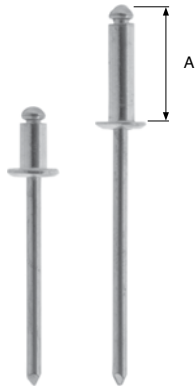
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Fixings
website section



Dome Aluminium Rivets

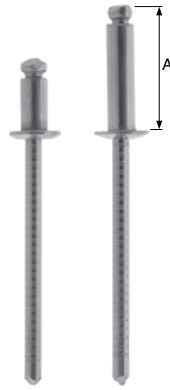
Pack of 100



Ø mm	(A) mm	Code
2.4	6	189900669
2.4	10	189900670
3.2	10	189900671
3.2	12	189900672
4.0	6	189900673
4.0	12	189900674
4.8	6	189900675
4.8	12	189900676

Dome Stainless Steel Rivets

Pack of 100



Ø mm	(A) mm	Code
2.4	6	189900677
2.4	10	189900678
3.2	10	189900679
3.2	12	189900680
4.0	6	189900681
4.0	12	189900682
4.8	6	189900683
4.8	12	189900684

Manual Riveter Pliers

For Ø 3.2 - 6.4mm rivets



Code
189900667

Supplied with a metal box.

Lazy Tong Riveter

For Ø 3.2 - 6.4mm rivets



Code
189900668

Rivets

Pack of 100



Head Ø mm	(A) mm	(B) Ø mm	Code
9.0	10	5	0506103000
9.0	12	5	0506203000
9.0	18	5	0506403000
10.5	12	6	0506503000
10.5	15	6	0506603000
10.5	30	6	0519003000
10.5	40	6	0519203000
14.5	12	8	0506903000
14.5	25	8	0507003000
14.5	35	8	0507203000
16.5	25	10	0507303000
16.5	40	10	0507703000

Pack quantity 1.

Hammered Rivets

Pack of 100



Head Ø mm	(A) mm	(B) Ø mm	Code
9.0	15	5	0508303000
9.0	18	5	0508403000
10.5	15	6	0508603000
10.5	20	6	0508703000
10.5	25	6	0508803000
16.5	25	10	0509303000
16.5	40	10	0509703000

Pack quantity 1.

Round Steel Rivets



Head Ø mm	(A) mm	(B) Ø mm	Code
12	20	6	0515022
12	25	6	0515023
12	30	6	0515024
12	40	6	0515026
12	50	6	0515028
12	20	8	0515029
16	25	8	0515030
14	30	8	0515031
16	35	8	0515032
14	40	8	0515033
12	45	8	0515034
14	50	8	0515035
17	25	10	0515036
17	40	10	0515039
17	50	10	0515041

Pack quantity 1.

Hammered Rivet



Head Ø mm	(A) Ø mm	Code
15	6	0562603000

Pack quantity 100.

For our range of decorative screws & studs see page 181 or visit www.fhbrundle.co.uk

Pan Head Screw



Features

- Self-tapping
- Cross recess

Applications

- Fencing & gates
- Cladding
- Panels to steel
- Brackets to fence posts

Pack Qty	Metric Ø x L mm	Imperial Gauge x L inch	Drill Bit	Code
200	3.5 x 9.5	6g x 3/8"	2	5004PS3595
200	3.5 x 13	6g x 1/2"	2	5004PS3513
200	3.5 x 19	6g x 3/4"	2	5004PS3519
200	3.5 x 25	6g x 1"	2	5004PS3525
200	4.2 x 9.5	8g x 3/8"	2	5004PS4295
200	4.2 x 13	8g x 1/2"	2	5004PS4213
200	4.2 x 16	8g x 5/8"	2	5004PS4216
200	4.2 x 25	8g x 1"	2	5004PS4225
200	4.2 x 38	8g x 1 1/2"	2	5004PS4232
1000	4.2 x 38	8g x 1 1/2"	2	5002CS8112*
500	4.2 x 50	8g x 2"	2	5002CSP82*
1000	4.8 x 32	10g x 1 1/4"	2	5002CS10114*
500	4.8 x 38	10g x 1 1/2"	2	5002CSP10112*
500	5.5 x 38	12g x 1 1/2"	3	500CCSP12112*

*BZP.

Hex No. 3 Drill Screw



Applications

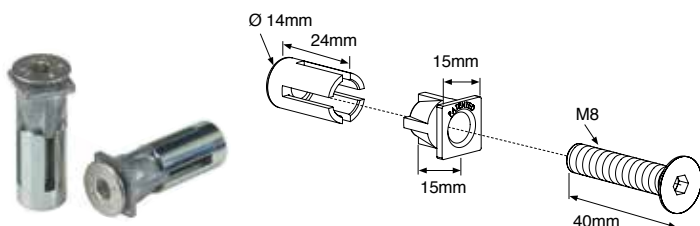
- Special head which make these good for certain applications
- They possess a small drill bit at the tip enabling them to be installed without having the need to pre-drill, even through metal
- Frequently used for attaching steel to metal or metal to wood
- Once utilized with a power screwdriver, this kind of screw can also be applied as a drill in a pinch

Pack Qty	Length x Ø mm	Code
100	25 x 5.5	5002TEK35525*
100	32 x 5.5	5002TEK35532*
100	38 x 5.5	5002TEK35538*
100	50 x 5.5	5002TEK35550*
100	70 x 5.5	5002TEK35570*

Self-drilling. Supplied with 16mm rubber washer. *Silver Ruspelt plating.

Quick-Fix Mounting Bolt

(patented)



- A strong, fast solution for fixings plates to RHS sections
- Sold per pair
- 1000kg pull-resistance

Code
05LQF

Countersunk Screw



Features

- Self-tapping
- Cross recess

Applications

- Fencing & gates
- Cladding
- Panels to steel
- Brackets to fence posts

Pack Qty	Metric Ø x L mm	Imperial Gauge x L inch	Drill Bit	Code
200	3.9 x 9.5	7g x 3/8"	2	5004CS3995
200	3.9 x 13	6g x 1/2"	2	5004CS3913
200	3.5 x 25	6g x 1"	2	5004CS3525
200	4.2 x 9.5	8g x 3/8"	2	5004CS4295
200	4.2 x 13	8g x 1/2"	2	5004CS4213
200	4.2 x 16	8g x 5/8"	2	5004CS4216
200	4.2 x 25	8g x 1"	2	5004CS4225
200	4.2 x 32	8g x 1 1/4"	2	5004CS4232
1000	4.2 x 38	8g x 1 1/2"	2	5002CSP8112*
500	4.2 x 50	8g x 2"	2	5002CS82*
1000	4.8 x 32	10g x 1 1/4"	2	5002CSP10114*
500	4.8 x 38	10g x 1 1/2"	2	5002CS10112*
500	5.5 x 38	12g x 1 1/2"	3	5002CS12112*

*BZP.

Hex No. 5 Drill Screw



Applications

- Used in a wide variety of sectors including roofing, light carpentry & major machinery functions
- They possess a washer seated under the head. In steel roofing for example, a rubber EPDM washer combines with this screw to go quickly through the sheet metal while also offering a seal against water damage on the roof

Pack Qty	Length x Ø mm	Code
100	32 x 5.5	5002TEK55532*
100	38 x 5.5	5002TEK55538*
100	55 x 5.5	5002TEK55555*
100	80 x 5.5	5002TEK55580*

Self-drilling. Supplied with 16mm rubber washer. *Silver Ruspelt plating.

Self-Tapping Screws In A Mixed Tray



Features

- An assortment of popular sizes of self-tapping screws
- Stored in separate compartments within a handy plastic case

Included

- Countersunk; 100 x (8x1"), 45 x (8x1 1/2"), 140 x (6x3/4"), 140 x (8x3/4")
- Flange head; 100 x (8x1 1/2")
- Pan head; 180 x (8x1 1/2"), 50 x (6x1 1/4"), 120 x (10x1 1/2"), 70 x (10x5/8"), 80 x (8x1"), 115 x (8x3/4"), 165 x (6x1 1/2")

Pack Qty	Code
1305	50STSSET

BZP.

Steel

Wrought Iron Components

Gate Hardware

Sliding Door Gear

Gate Automation

Mesh

Decking & Sub Frame

Flooring & Stair Treads

Handrailing

Fencing

Fixings

Steel

Tamper Drive

Universal security fastener



Features

- Self-drilling
- Vandal resistant low profile head
- Rapid installation
- Excellent for use with Mesh-Loc

Tool Bit

Length mm	Code
74	080221

Tool bit to suit a standard drill. Zinc plated.

Fixings

Screw Head	Ø mm	Length mm	Code
Countersunk	M5.5	25	09FA527
Countersunk	M5.5	38	09FA528

Pack quantity 1. Zinc plated.

Wrought Iron Components

Gate Hardware

Sliding Door Gear

Gate Automation

Mesh

Decking & Sub Frame

Flooring & Stair Treads

Handrailing

Fencing

Fixings

Powerdrive (two way)

Vandal resistant security screw



Features

- Self-tapping
- Ø 7.3mm pilot hole required for 1.5-3.5m thick material
- Perfect for cladding mesh to frames
- Eliminate the need for nut inserts or shear nuts
- High corrosion resistance Magni 565 finish

Tool Bit

Length mm	Code
25	09FA526

Tool bit to suit a standard drill. Magni 565.

Fixings

Screw Head	Ø mm	Length mm	Code
Button	M8	20	09FA523
Button	M8	35	09FA524
Button	M8	45	09FA525

09FA525 Magni 565.

Fourtress (two way)

Vandal resistant security screw



Features

- Self-tapping. (*Code: 09FA622 is machine screw)
- Ø 7.3mm pilot hole required
- Double ended tool bit
- Newer version of Powerdrive
- Robust drive system reducing bit wear
- High installation torque

Tool Bit

Length mm	Code
58	09FA620

Tool bit to suit a standard drill. Magni 565.

Fixings

Screw Head	Ø mm	Length mm	Code
Button	M8	35	09FA621
Button	M8	40	09FA622*
Button	M8	45	09FA623
Button	M8	50	09FA624

Pack quantity 1. *Machine screw. Magni 565.

For our range of mesh fencing clips see page 673.

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- Create quotes

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Hex Head Set Bolts



Applications

- Hex bolts are used to fasten two or more parts together to form an assembly either because it cannot be manufactured as a single part or to allow for maintenance & repair disassembly

Pack Qty	Ø mm	Length mm	Code
100	M6	25	50HS06X25
100	M8	20	50HS08X20
100	M8	30	50HS08X30
100	M8	40	50HS08X40
100	M8	50	50HS08X50
100	M10	20	50HS10X20
100	M10	30	50HS10X30
100	M10	40	50HS10X40

*BZP

Pack Qty	Ø mm	Length mm	Code
100	M10	50	50HS10X50*
50	M10	100	50HS10X100
100	M12	30	50HS12X30*
100	M12	40	50HS12X40*
100	M12	50	50HS12X50*
100	M16	30	50HS16X30*
1	M8	30	5002HS08X30
1	M10	30	5002HS10X30

*BZP

Pack Qty	Ø mm	Length mm	Code
1	M10	35	5002HS10X35
1	M12	30	5002HS12X30
1	M16	30	5002HS16X30
1	M8	30	5006HS08X30
1	M10	30	5006HS10X30
1	M12	30	5006HS12X30
1	M16	30	5006HS16X30

Plain Washer



Applications

- Used to distribute the load of a threaded fastener, such as a screw or nut
- Other uses are as a spacer

To Suit Ø mm	Code
M8	5002FW08
M10	5002FW10
M12	5002FW12
M16	5002FW16
M8	5006FW08
M10	5006FW10
M12	5006FW12
M16	5006FW16

Pack quantity 1.

Plain Washers



Applications

- Used to distribute the load of a threaded fastener, such as a screw or nut
- Other uses are as a spacer

To Suit Ø mm	Code
M6	50FW06
M8	50FW08
M10	50FW10
M12	50FW12
M16	50FW16

Pack quantity 100. BZP.

Penny Washers



Applications

- Commonly used to spread the load on thin sheet metal
- Can also be used to make a connection to a hole that has been enlarged by rust or wear

To Suit Ø mm	Code
M6	50PW06
M8	50PW08
M10	50PW10
M12	50PW12

Pack quantity 100. BZP.

Square Washers



Applications

- Commonly used to spread the load on wooden floors like decking or chipboard

Size mm	To Suit Rod Ø mm	Hole Ø mm	Code
40 x 40	M6	9	50CF106
40 x 40	M8	9	50CF108
40 x 40	M10	13	50CF110
40 x 40	M12	13	50CF112

Pack quantity 1.

Hex Full Nut



Applications

- Use in conjunction with a mating bolt to fasten multiple parts together

Pack Qty	To Suit Ø mm	Code
100	M6	50HN06*
100	M8	50HN08*
100	M10	50HN10*
100	M12	50HN12*
1	M16	50HN16*
1	M8	5002HN08
1	M10	5002HN10
1	M12	5002HN12
1	M16	5002HN16
1	M8	5006HN08
1	M10	5006HN10
1	M12	5006HN12
1	M16	5006HN16

*BZP

Hex Nyloc Nut



Applications

- Nylon insert for self-locking. Will not work loose from vibrations

Pack Qty	To Suit Ø mm	Code
1	M8	50HL08*
1	M10	50HL10*
1	M12	50HL12*
1	M16	50HL16*
1	M8	5002HL08
1	M10	5002HL10
1	M12	5002HL12
1	M16	5002HL16
1	M8	5006HL08
1	M10	5006HL10
1	M12	5006HL12
1	M16	5006HL16

*BZP

Shear Nut



Applications

- Security nut that is difficult to remove without specialist tools
- The hexagon section of the nut twists off when tight at a pre-determined torque; only the cone part is threaded leaving a tamper resistant cone nut

To Suit Ø mm	Code
M8	47032C
M10	2302S10
M12	47033C

Pack quantity 1.

Nuts

Steel

Wrought Iron Components

Gate Hardware

Sliding Door Gear

Gate Automation

Mesh

Decking & Sub Frame

Flooring & Stair Treads

Handrailing

Fencing

Fixings

Hex Domed Head Nut



Applications

- When used together with a threaded fastener with an external male thread, the domed end encloses the external thread of the threaded fastener, either to protect the thread itself or to protect nearby objects from contact with the thread
- Gives a more finished appearance

To Suit Ø mm	Code
M8	50HD08*
M10	50HD10*
M12	50HD12*
M16	50HD16*
M8	5006HD08
M10	5006HD10
M12	5006HD12
M16	5006HD16

Pack quantity 1.*BZP

Cup Square Bolt



Applications

- A domed head bolt with a square anti-spin shoulder mainly used for clamping timber or attaching ironmongery to timber

Ø mm	Length mm	Code
M8	25	5002CS08X25
M10	35	5002CS10X35
M10	75	5002CS10X75
M10	80	5002CS10X80
M10	90	5002CS10X90
M10	100	5002CS10X100

Pack quantity 1.

Nut Cap



Applications

- Caps are a widely used product for the protection & covering of exposed bolt or nut heads
- Providing a clean & professional finish once in place
- Providing security against tampering or loosening

Colour	To Suit Ø mm	Code
Black	8	3204M8
Black	10	3204M10
Black	12	3204M12
Silver	8	3204M8S
Silver	10	3204M10S

Pack quantity 1. Low density polyethylene.

Button Head Bolt



Applications

- For fitting handrail brackets, glass tube fittings & rod connectors

Ø x L mm	Code
M5 x 20	5006BS05X20
M6 x 20	5006BS06X20
M8 x 30	5006BS08X30
M10 x 30	5006BS10X30

Pilot holes required. Pack quantity 1.

Threaded Insert & Mandrel Tool

Rivet Nuts/Threaded Inserts



Features

- For setting blind rivet nuts & bolts
- Stroke setting mechanism & quick release mandrel system
- Threaded inserts with cylindrical flat head

Tool

Supplied with	Length mm	Code
No box	440	1899E40590

Fixings

Ø mm	Code
M5	13i40591
M6	13i40592
M8	13i40593
M5	189900611
M6	189900609
M8	189900610

Pack quantity 1.

Cobalt Drill Bit



Description	Code
7.2mm drill for 5mm insert/mandrel	189901001
9.6mm drill for 6mm insert/mandrel	189901002
10.5mm drill for 8mm insert/mandrel	189901003

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	50	7	✓	5002CCS550
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

Pack quantity 1.

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	Ø mm	Length mm	Max Fixture Thickness mm	CE	Code
5	6.3	50	7	✓	5002HCS550
5	6.3	75	32	✓	5002HCS575
6	7.5	75	32	✓	5002HCS675
8	10.0	75	25	✓	5002HCS875
10	12.5	75	20	✓	5002HCS1075
12	14.9	75	15	✓	5002HCS1275
8	10.0	100	50	✓	5002HCS8100
10	12.5	100	45	✓	5002HCS10100
12	14.9	100	40	✓	5002HCS12100
14	17.0	115	40	✓	5002HCS14115

Pack quantity 1.

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

Pack quantity 1.

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

Pack quantity 1.

Steel

Wrought Iron Components

Gate Hardware

Sliding Door Gear

Gate Automation

Mesh

Decking & Sub Frame

Flooring & Stair Treads

Handrailing

Fencing

Fixings

Steel

Wrought Iron Components

Gate Hardware

Sliding Door Gear

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Handrailing

Fencing

Fixings



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

Pack quantity 1. 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

Pack quantity 1.



Countersunk Through Bolt

R-SPLII-C

Applications

- Used to firmly affix steel to concrete

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

Pack quantity 1.



Loose Bolt with Shield Anchor

Applications

- Used to attach objects or structures to concrete

Thread Ø mm	Drill Size Ø mm	Anchor Length mm	Max Fixture Thickness mm	CE	Grade 316 Code	BZP Code
M8	14	65	40	✓	5006LB0860	50LB0860
M10	16	90	25	✓	5006LB1085	50LB1085
M12	20	100	25	✓	5006LB12100	50LB12100

Pack quantity 1.

Chemical Fixings & Cleaning Tools

Rockite Concrete Compound

Fast setting hydraulic style cement for interior use



kg	Code
2.2	189900665

Hole Cleaning Blow Pump



Code
50HCBP

Hole Cleaning Brush



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



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	Code
M8	50	18	25.0 - 35.0	1.6	20.0	8	1205TF08
M10	55	20	25.0 - 35.0	1.3	22.5	10	1205TF10
M12	125	24	35.0 - 45.0	1.3	27.0	15	1205TF12

Pack quantity 1. BZP.



R-Stud

With hex head



Applications

- Used to firmly affix steel to concrete

Thread Ø mm	Drill Size Ø mm	Anchor Length 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

Pack quantity 1.

Wire Mesh Sleeve

For use with R-Studs

Applications

- Used to firmly affix steel to concrete

Sleeve Size mm	Stud Size	CE	Code
12 x1000	M8	✓	50WMS081000
16 x1000	M10	✓	50WMS101000
22 x1000	M16	✓	50WMS161000
26 x1000	M20	✓	50WMS201000

Pack quantity 1.

Resin Socket

For use with adjustable stand-off adaptor



Applications

- Used to firmly affix steel to concrete

Thread Ø mm	Drill Size Ø mm	Overall Length mm	CE	Code
M10	20	100	✓	5004RS10100F

Pack quantity 1. 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



ml	Code
300	05RKEM

RKER II Hybrid Resin

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



ml	Code
300	50RKER300

RKER II Mixer Nozzles

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



Code
50RKERMN

Threaded Rods



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

Pack quantity 1. BZP.

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

Pack quantity 1. BZP.

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

Pack quantity 1.

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

Pack quantity 1.

Studding Connectors



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

Addax Plus SDS Bit



Length mm	Ø mm	Code
210	8	50SDS08210
210	10	50SDS10210
210	12	50SDS12210

Cable Ties



Size mm	Qty	Code
300 x 4.6	100	50CTS30046

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

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

Drill size Ø 12mm. Pack quantity 1.



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.

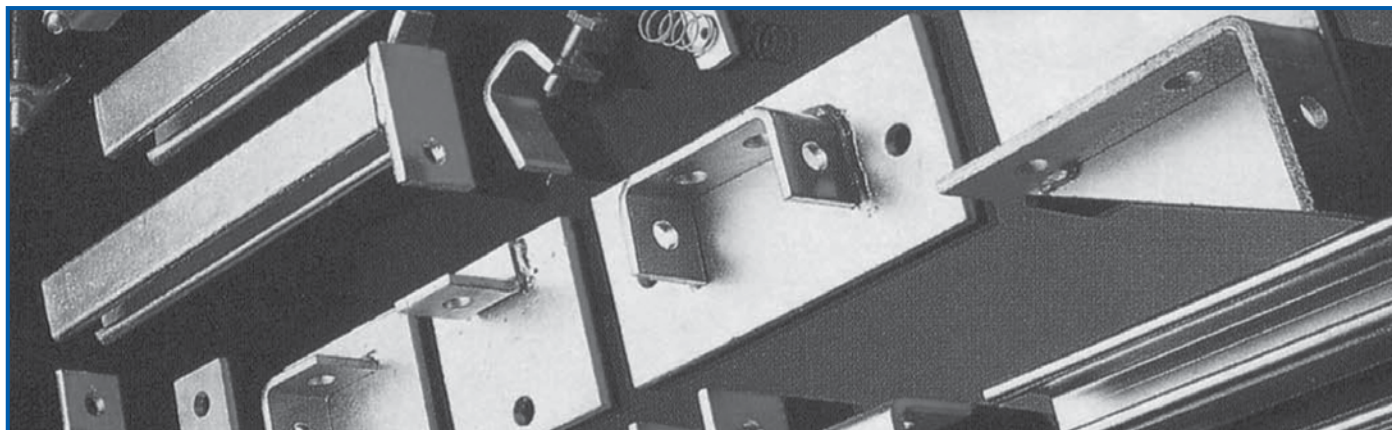
- Quick installation thanks to 2 reduced anchoring depths: 40mm in concrete and solid brick* (categories A and B*) 50mm in substrates with hollow brick and aerated concrete (categories C and D)
- Use a punch-tool to increase a performance in aerated concrete

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)



*Solid brick based on RAD data, 50mm anchoring according to data in ETA.



The versatile range of channels and brackets fasten together to create a system for supporting many building services including cable, pipework, ductwork, lighting systems, ceiling grids and handrails. The easy-to-install alternative to conventional support methods is especially suitable for use with cable trays and cable ladders. Support structures can be easily designed and quickly installed, with minimum effort - no welding or on-site fabrication work is required and is 100% adjustable and reusable.

Channels

Plain Deep



Length m	Thickness mm	Code
6	1.6	50CC41LPG6
3	2.5	50CC41PG3
6	2.5	50CC41PG6

Height 41 x Width 41mm.

Plain Shallow



Length m	Thickness mm	Code
3	1.6	50CC21LPG3
6	1.6	50CC21LPG6
3	2.5	50CC21PG3
6	2.5	50CC21PG6

Height 21 x Width 41mm.

Plain Deep Double



Length m	Thickness mm	Code
6	2.5	50CC4141PG6

Height 82 x Width 41mm.

Slotted Deep



Length m	Thickness mm	Code
3	1.6	50CC41LSPG3
6	1.6	50CC41LSPG6
3	2.5	50CC41SPG3
6	2.5	50CC41SPG6

Height 41 x Width 41mm. Fixing slots 13 x 27mm.

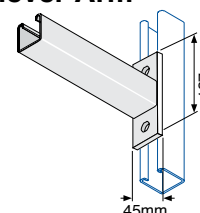
Slotted Shallow



Length m	Thickness mm	Code
3	1.6	50CC21LSPG3
6	1.6	50CC21LSPG6
3	2.5	50CC21SPG3
6	2.5	50CC21SPG6

Height 21 x Width 41mm. Fixing slots 13 x 27mm.

Cantilever Arm



Arm Length mm	Code
150	50CA4150
300	50CA4300
450	50CA4450
600	50CA4600

Channel Accessories

Closure Strip



Colour	Length m	Code
Black	3	50CAPPVCB

Width 41mm. PVC.

Square End Cap



Colour	Code
Black	50PVC41B

Height 41 x Width 41mm. Plastic.

Rectangular End Cap



Colour	Code
Black	50PVC21B

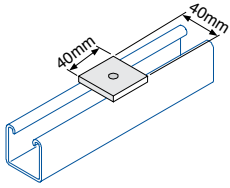
Height 21 x Width 41mm. Plastic.

Channel Support



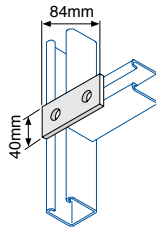
Brackets

Channel Washer



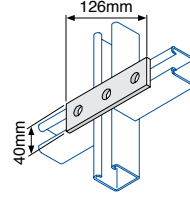
To Suit Rod	Hole Ø mm	Code
M6	9	50CF106
M8	9	50CF108
M10	13	50CF110
M12	13	50CF112

2 Hole Plate



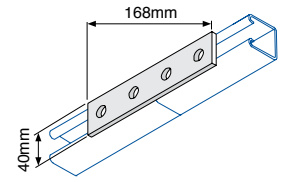
Code
50CF2

3 Hole Plate



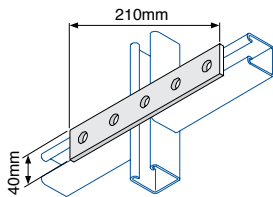
Code
50CF3

4 Hole Plate



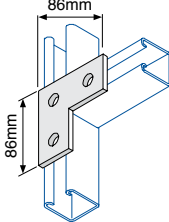
Code
50CF4

5 Hole Plate



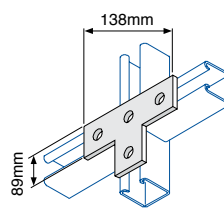
Code
50CF5

'L' Bracket



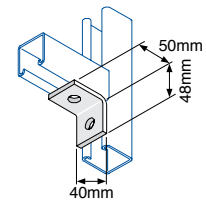
Code
50CF6

'T' Bracket



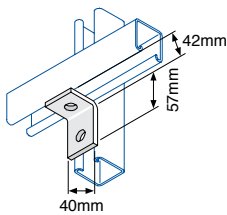
Code
50CF7

90° Bracket



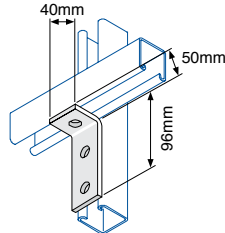
Code
50CF11

90° Bracket



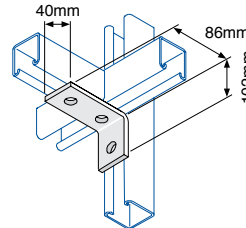
Code
50CF11A

90° Bracket



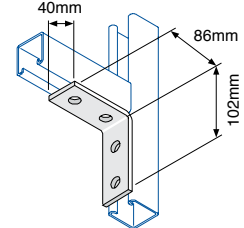
Code
50CF12

90° Bracket



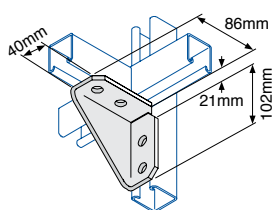
Code
50CF13

90° Bracket



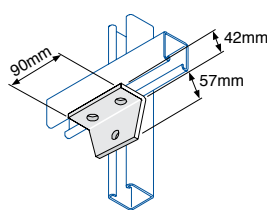
Code
50CF14

Shelf Bracket



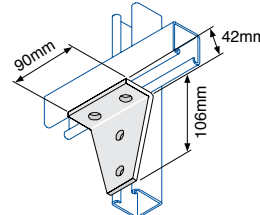
Code
50CF15

90° Delta Bracket



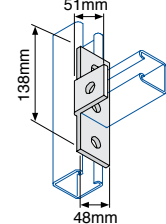
Code
50CF17

90° Delta Bracket



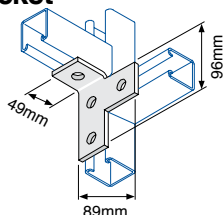
Code
50CF18

90° Angled 'T' Bracket



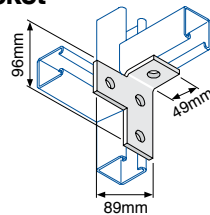
Code
50CF19

90° Angled Left 'T' Bracket



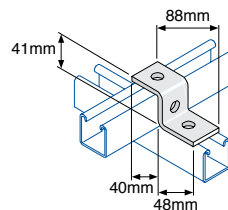
Code
50CF20

90° Angled Right 'T' Bracket



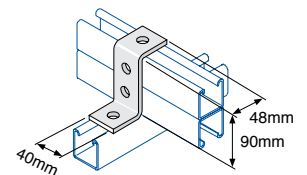
Code
50CF21

Single 'Z' Bracket



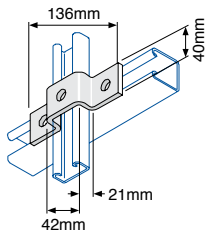
Code
50CF23

Single 'Z' Bracket



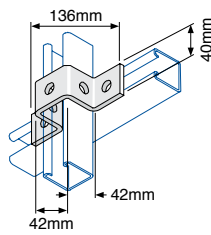
Code
50CF24

Top Hat



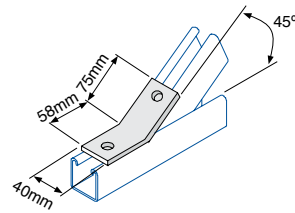
Code
50CF25

Top Hat



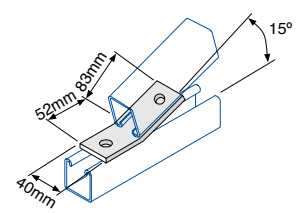
Code
50CF26

Internal Obtuse 45° Angle Bracket



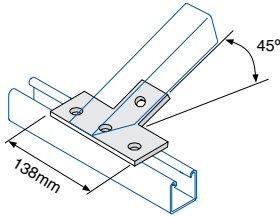
Code
50CF2945

External Obtuse 45° Angle Bracket



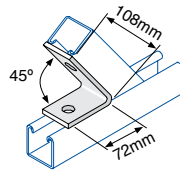
Code
50CF3045

45° Acute Angle 'T' Bracket



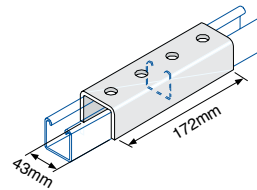
Code
50CF31

45° Acute Angle 'T' Bracket



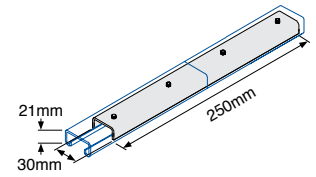
Code
50CF3145

External Connector



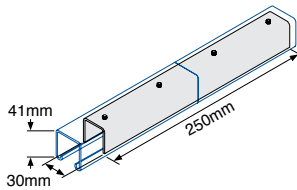
Code
50CF3341

Internal Connector



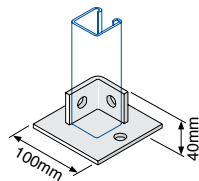
Code
50CF3621

Internal Connector



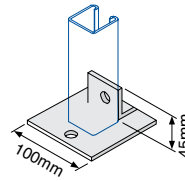
Code
50CF3641

Base Plate Double Fix



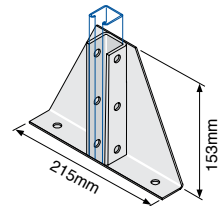
Code
50CF38

Base Plate Single Fix



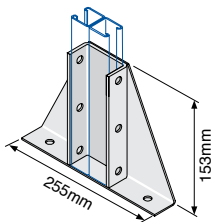
Code
50CF39

Single Delta Plate



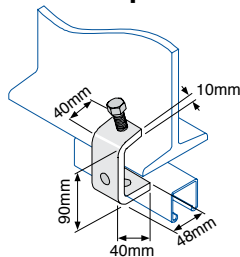
Code
50CF4041

Double Delta Plate



Code
50CF4082

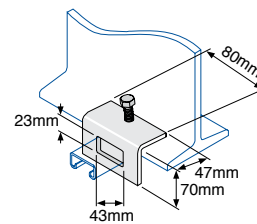
Beam Clamp



Code
50CF44

Fixing bolt M10.

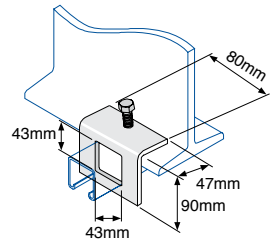
Beam Clamp



Code
50CF4521

Fixing bolt M10.

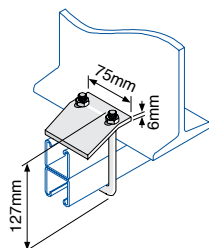
Beam Clamp



Code
50CF4541

Fixing bolt M10.

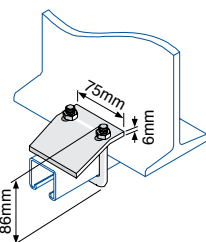
Beam Clamp 'U' Bolt



Code
50CF46-UL

Fixing bolt M10.

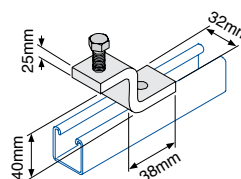
Beam Clamp 'U' Bolt



Code
50CF46-UM

Fixing bolt M10.

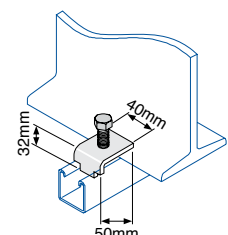
'Z' Beam Clamp



Code
50CF47

Fixing bolt M12.

Beam Clamp



Code
50CF48

Fixing bolt M10.

Steel

Wrought Iron Components

Gate Hardware

Sliding Door Gear

Gate Automation

Mesh

Decking & Sub Frame

Flooring & Stair Treads

Handrailing

Fencing

Fixings

Fixings

Long Spring Channel Nut

Pack of 100



Short Spring Channel Nut

Pack of 100



Plain Channel Nut

Pack of 100



Thread Ø mm	Code
M6	50CN6L
M8	50CN8L
M10	50CN10L
M12	50CN12L

Thread Ø mm	Code
M6	50CN6S
M8	50CN8S
M10	50CN10S
M12	50CN12S

Thread Ø mm	Code
M6	50CN6P
M8	50CN8P
M10	50CN10P
M12	50CN12P

Beam Clamp



Hole Ø mm	Code
9	50FC08
11	50FC10
13	50FC12

Purlin Clip



Hole Ø mm	Code
11	50PC10

Eye Bolt



Ø mm	Thread L mm	Overall L mm	Code
M10	45	95	50EB10

B.Z.P.

FREE* DELIVERY on orders over £150!



Wrought Iron Components



Perforated Metal



Expanded Metal



Welded Wire Mesh



Woven Wire Mesh



Gate Hardware



Gate Automation



Flooring & Stair Treads



Decking & Subframe



Cantilever Gate Components



Steel Section



Sliding Door Gear



Handrailing & Components



Glass



Fixings & Tools



Tube Clamps



Crash Barrier



Gates & Railings



Fencing & Security



Working at Height

*Within our standard area and elsewhere at cost.



Heavy Pattern No. 246 Handle



Height mm	Width mm	Code
75	102	17027

Fixings holes Ø 7mm. Black japanned.

Rope Handle Cleat



Height mm	Width mm	Code
20	148	17051

Fixings holes Ø 4mm. BZP.

Strap Bolts & Nuts

Pack of 50



(A) mm	(B) mm	Thread Length mm	Thread Ø mm	Code
54	18	37	M8	17001

Fixings holes Ø 5mm. Black japanned.

Large Toggle Sheradised

For use with plate



Height mm	Width mm	Code
38	50	17061

Fixings holes Ø 5.5mm.



Plate Sheradised

For use with large toggle



Code
17063

Fixings holes Ø 5.5mm.

Metal Label Frame



Height mm	Width mm	Code
65	125	17077

Metal Packing Note Cover



Height mm	Width mm	Code
104	155	17072

For captive screw fittings see page 720.

Captive Screw Fittings



- Steel
- Wrought Iron
- Gate Hardware
- Sliding Door Gear
- Gate Automation
- Mesh
- Decking & Sub Frame
- Flooring & Stair Treads
- Handrailing
- Fencing
- Fixings

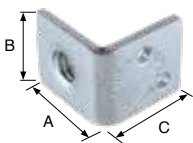


Captive screw fittings can be fitted to most packing cases, allowing them to be opened and closed quickly and easily, without damaging the case and needing only a screwdriver. The fittings are supplied in two parts - the angle, which is fitted to the case and the top, which is fitted to the lid. All angles except Pattern 6 are provided with lugs for attaching a pilfer-evident seal between the angle and top.

Angle

Pattern 6

For lightweight applications



(A) mm	(B) mm	(C) mm	Code
20	19	20	170076

Fixing holes \varnothing 3.5mm. Thickness 2.5mm. To suit M8. BZP.

Pattern 11

For mediumweight applications

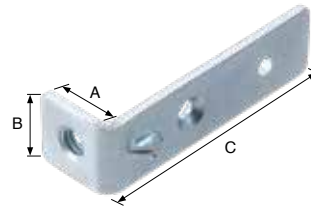


(A) mm	(B) mm	(C) mm	Code
57	16	32	17007

Countersunk fixing holes \varnothing 5mm. Thickness 2.5mm. To suit M8. BZP.

Pattern 12

For mediumweight applications

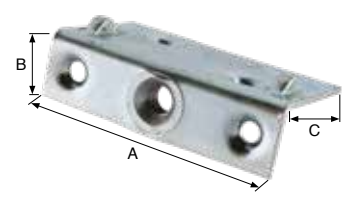


(A) mm	(B) mm	(C) mm	Code
20	19	69	17012

Countersunk fixing holes \varnothing 5mm. Fixing holes \varnothing 4mm. Thickness 2.5mm. To suit M8. BZP.

Pattern 14

For lightweight applications



A mm	B mm	C mm	Code
50	13	30	17016

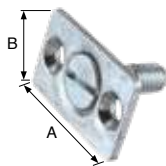
Countersunk fixing holes \varnothing 5mm. Thickness 1.3mm. To suit M6 BZP.

Top With Captive Screw

Select the top with a captive screw of the required length depending on the thickness of the lid being fitted to the case. Use the table below to find the maximum lid thickness applicable to each captive screw.

Captive Screw Lengths					Angle
Code: 17017	Code: 170077	Code: 17008	Code: 17010	Code: 17011	
17mm					Pattern 14
	18mm				Pattern 6
		14mm	26mm	38mm	Pattern 11
		18mm	30mm	42mm	Pattern 12

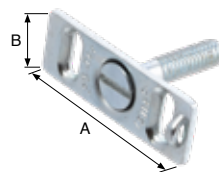
Pattern 6



(A) mm	(B) mm	Thread Length mm	Thread \varnothing mm	Code
38	22	25	M8	170077

Countersunk fixing holes \varnothing 5mm. Thickness 2.5mm. BZP.

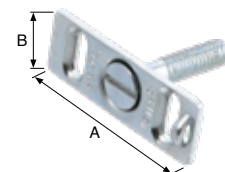
Pattern 11 & 12



(A) mm	(B) mm	Thread Length mm	Thread \varnothing mm	Code
57	19	25	M8	17008
57	19	38	M8	17010

Countersunk fixing slots \varnothing 14 x 5mm. Thickness 2.5mm. BZP.

Pattern 14



(A) mm	(B) mm	Thread Length mm	Thread \varnothing mm	Code
51	16	25	6	17017

Countersunk fixing slots 10 x 5mm. Thickness 1.5mm. BZP.

High Strength Retainer Glue

For use with tube fittings



LOCTITE

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



LOCTITE

Colour	ml	Code
Clear	310	18990125366
Black	310	18990125368

Silicone Sealant

Gives an all-round waterproof seal



Colour	ml	Code
Clear	310	189901201
Black	310	189901202

Sealant Gun



Code
189900666

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



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Pro-Railing® Protect provides a highly durable, flexible, super smooth, breathable and ‘superphobic’ Nano coating which has the added benefit of being organic. This means that it repels oil, water, and dry soiling. Contaminants will not stick to the treated surface and liquids are unable to penetrate the coating. This is because each filament of every fibre is protected with a nanoscale layer of glass. Most significantly, almost all treated surfaces can be cleaned with water alone.

- Protect all your glass & metal surfaces from weathering, corrosion & climatic degradation
- 100% invisible, anti-abrasion, anti-bacterial & superphobic

- Easy to apply system using our convenient wipes or larger kits – instruction videos available online
- Single application can last up to 2 years

Clean & Protect Wipe

Easy to apply using the 2 wipes.

- Contents:
- 1 x 6ml pre-cleaner wipe
 - 1 x 6ml surface protection coating wipe



Coverage m ²	Code
2	1899009LGSS

Clean & Protect Standard Kit

For use on newly installed products to prevent the build up of pollutants and discolouration.

- Contents:
- 1 x 100ml pre-cleaner
 - 1 x 100ml surface protection
 - 1 x microfibre cloth



Coverage m ²	Code
10	1899009LGSK

Clean & Protect Refresher Kit

For use on older already installed products and contains a stainless steel cleaner to use before you apply the other products.

- Contents:
- 1 x 50ml stainless steel cleaner
 - 1 x 100ml pre-cleaner
 - 1 x 100ml surface protection
 - 1 x microfibre cloth



Coverage m ²	Code
10	1899009LGSRK

Clean & Protect Trade Refresher Kit

Larger version of the standard refresher kit.

- Contents:
- 1 x 250ml stainless steel cleaner
 - 1 x 1000ml micro-particle remover
 - 1 x 1000ml pre-cleaner
 - 1 x 1000ml surface protection
 - 1 x decontamination towel
 - 10 x microfibre cloths



Coverage m ²	Code
200	1899009LGTRK

Protect Metal Surfaces

Avoid weathering, corrosion and degradation with Pro-Railing Protect.

If heavy staining is already present, the 3-Part Tea Staining Cleaner Kit which contains stainless cleaner, purified water and a stainless polish can remove this. To remove heavy discolouration use the Pickling Gel before treatment with the 3-Part Tea Staining Cleaner Kit.



3-Part Tea Staining Cleaner Kit

Keeps stainless handrail & fittings in top condition long after installation



Code
189900902

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

Multi Purpose Penetrant Oil



ml	Code
400	2912

Suitable for various hardware.

Bond It Glass Cleaner

Fast acting all purpose cleaner with non-smear formulation



Litre	Code
1	1859GC1

Use with code: 29RT150.

Stainless Cleaning Wipe

Removes finger & hand marks left during installation



Code
189900901

Low Lint Texteline Cloths

Pack of 150

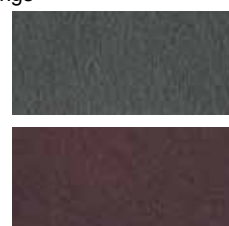


Code
29RT150

Ideal for use with code: 1859GC1.

Polishing Cloths

For removal of light scratches on stainless tube & fittings



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

Micro Fibre Cloth

Pack of 10



Colour	Size mm	Code
Yellow	400 x 400	29MFC40

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Welded Wire Mesh



Woven Wire Mesh



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Working at Height