TECHNICAL GUIDE

Handleless Rail System

EK
ELITE TRADE & CONTRACT KITCHENS

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We aim to showcase as many different items as possible and therefore some products have been installed and photographed purely to show as many of our product features as possible and they should not be taken as an example of how they are intended to be installed in real kitchen installations.

It is therefore the responsibility of the installer to check the corresponding manufacturer's installation information and the manufacturer's technical information to ensure this is up to date and to ensure that the products can be fitted in a way they are displayed and the products are suitable for your requirements.

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The information shown in this literature is accurate as at the date of print/release shown on such information but it may be subject to changes after such date. Please therefore ensure that you are viewing the most current product information available and check with us if you have any doubt about the suitability of the product or accuracy of the information shown.

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Please Note: The information shown in this literature is accurate as at the date of print/release shown on such information but it may be subject to changes after such date. Please therefore ensure that you are viewing the most current product available and check with us if you have any doubt about the suitability of the product or accuracy of the information shown.

HANDLELESS RAIL SYSTEM

Product Information

Description
Handleless rail system

Finish / Material
Aluminium

Lengths
Top / Mid Profiles: 4100mm
Vertical Profiles: 4200mm
Wall Profile: 3900mm

"We're proud to introduce a true handleless system, offering the ultimate streamlined look for a statement designer kitchen."

Top Profile

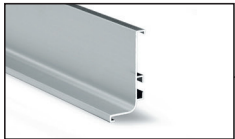# PRODUCT RANGE OVERVIEW

Wall Unit Profile
100WALL3900
Used for wall
cabinet doors

Top Profile
100TOP4100
Used for doors
and top drawers

Mid Profile
100MID4100
Used for mid and
bottom drawers

**Vertical Profile
- Intermediate**
100VERTMID4200
Used between
two tall units

**Spacer for
Appliance**
100VERTSPACER
Used with
Vertical Profile

**External Corner
Joint - Top**
100TOPEXT90
Used to create a
seamless design,
combine with
external corner post

Vero handleless rail system
with Vivo Gloss doors in White
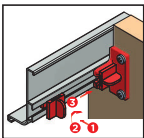
Quick Fix Brackets **100QFIX** Screw mounted	**End Cap - Top** **100TOPENDCAP** Used to finish top profiles
Vertical Profile - Lateral **100VERTEND4200** Used with one tall unit	**End Cap - Mid** **100MIDENDCAP** Used to finish mid profiles
Internal Corner Joint - Top **100TOPINT90** Combine with internal corner post	**Joint Section - Top** **100TOPJOINT** Used to join top profiles together
Internal Corner Joint - Mid **100MIDINT90** Combine with internal corner post	**External Corner Joint - Mid** **100MIDEXT90** Combine with external corner post
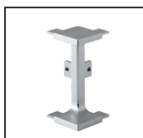
Top Profile

Code
100TOP4100

Finish / Material
Aluminium

Dimensions
4100 x 56.5 x 27.2mm

Accessories available
Quick Fix Brackets (100QFIX)
End Cap - Top (100TOPENDCAP)
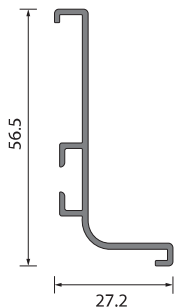Internal Corner Joint - Top (100TOPINT90)
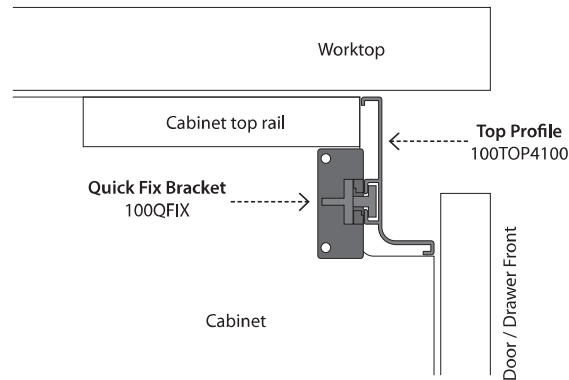External Corner Joint - Top (100TOPEXT90)
Joint Section (100TOPJOINT)

- Used for base unit doors and top drawers.

- Can be cut to size using a circular chop saw.

- Secured to cabinets with Quick Fix Brackets.

- Profiles can be finished off with End Caps before fitting.

- Top profiles can be linked at corners using Internal and External Corner Joints. A Joint Section can also be used to link together straight lengths.

DIMENSIONS

56.5

27.2

FITTED DETAIL

Worktop

Cabinet top rail

Top Profile
100TOP4100

Quick Fix Bracket
100QFIX

Cabinet

Door / Drawer Front

CABINET ROUTING

38

27

Cabinet top rail

22.5

57.5

32

R5

3

Cabinet

CABINET DIMENSIONS

27

57.5   34

870*

720

685

155*

1. Top Profile (100TOP4100)
2. Internal Corner Joint - Top (100TOPINT90)
3. External Corner Joint - Top (100TOPEXT90)
4. Quick Fix Bracket (100QFIX)
5. End Cap - Top (100TOPENDCAP)
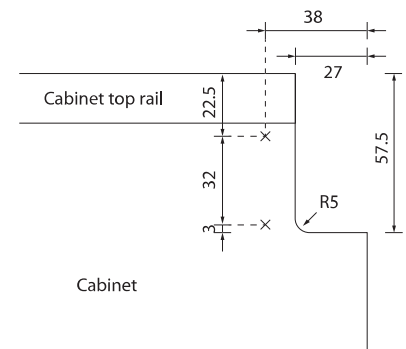
*   **nb.** If installing an intergrated appliance in the kitchen please add a minimum of 5mm to allow for easy installation of appliance.
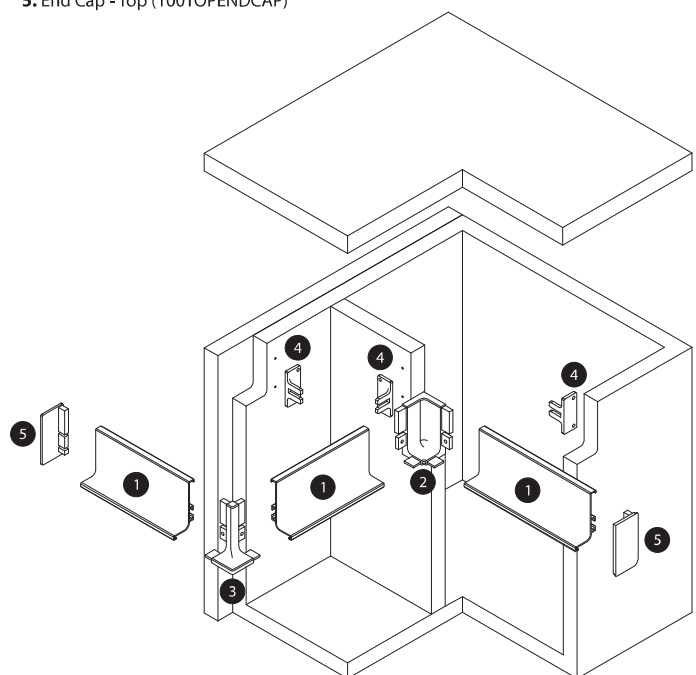
Mid Profile

Code
100MID4100

Finish / Material
Aluminium

Dimensions
4100 x 73 x 26mm

Accessories available
Quick Fix Brackets (100QFIX)
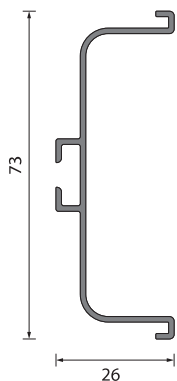End Cap - Mid (100MIDENDCAP)
Internal Corner Joint - Mid (100MIDPINT90)
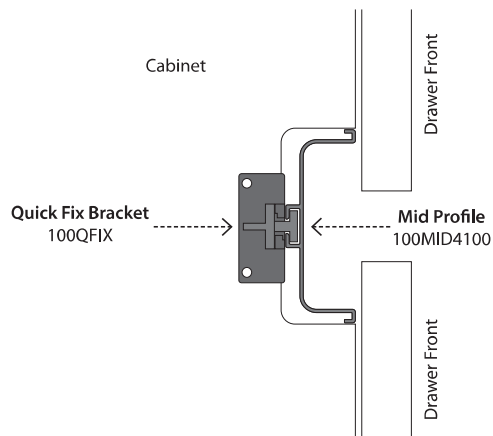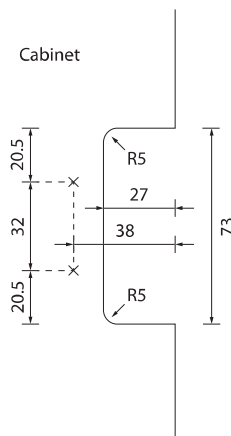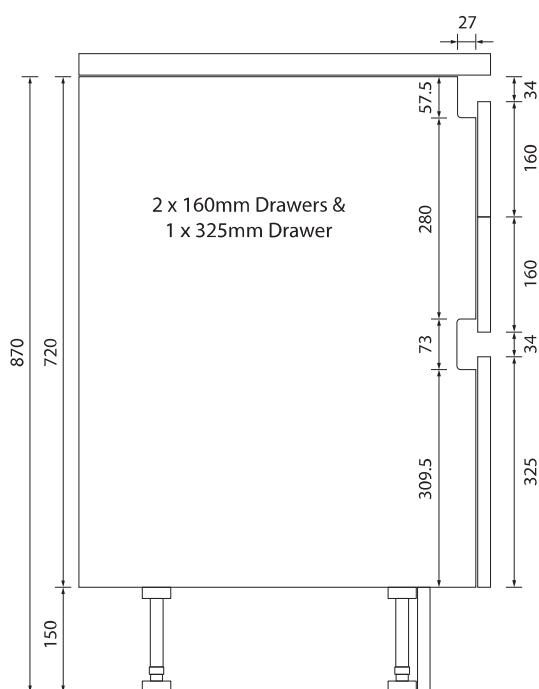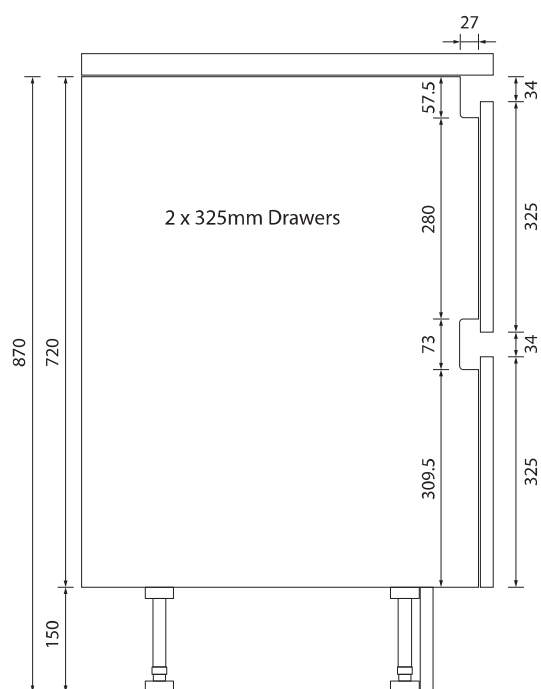External Corner Joint - Mid (100MIDEXT90)

- Used for mid and bottom drawers.
- Can be cut to size using a circular chop saw.
- Secured to cabinets with Quick Fix Brackets.
- Profiles can be finished off with End Caps before fitting.
- Mid profiles can be linked at corners using Internal and External Corner Joints.

DIMENSIONS

73

26

FITTED DETAIL

Cabinet

Drawer Front

Quick Fix Bracket
100QFIX

Mid Profile
100MID4100

Drawer Front

CABINET ROUTING

Cabinet

20.5

32

20.5

R5

27

38

73

R5

CABINET DIMENSIONS

27

57.5

34

2 x 325mm Drawers

280

325

870

720

73

34

309.5

325

150

27

57.5

34

2 x 160mm Drawers &
1 x 325mm Drawer

160

280

160

870

720

73

34

309.5

325

150
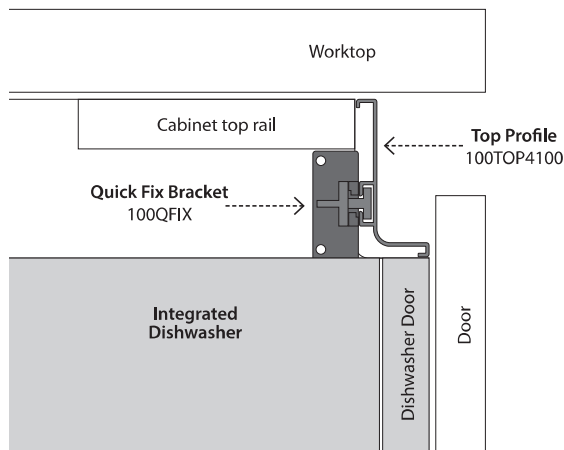
Integrating under counter appliances

Integrated Dishwasher

- The Top Profile (100TOP4200) can be used to run above integrated appliance.

- It's recommended to set integrated dishwasher height at 815mm to fit under the rail.

- Metal brackets (supplied with dishwasher) should be fixed to the outer face of adjacent cabinets. Please note, an additional bracing baton may be required to the rear of the machine to help reduce movement.

- If drawers are situated next to an integrated appliance, we recommend using end caps to cover any gaps.

Worktop

Cabinet top rail

Top Profile
100TOP4100

Quick Fix Bracket
100QFIX

Integrated Dishwasher

Dishwasher Door

Door

IMPORTANT INFORMATION

We recommend extending the cabinet legs to at minimum height of 155mm to ensure the integrated dishwasher will fit underneath the top rail.

It is also recommended to set integrated dishwasher height at 815mm.

Integrated dishwasher combined with Vero handleless rail system

Undermounted Oven

- The Top Profile (100TOP4200) can't be used in conjunction with an under mounted oven. Profiles must stop on each side of the appliance and can be finished with end caps.

- If using a freestanding cooker, end panels will need to be fitted either side of the appliance and the profile finished against the panel.

End Cap - Top
100TOPENDCAP

Top Profile
100TOP4100

Under mounted oven

End Cap - Mid
100MIDENDCAP

Mid Profile
100MID4100
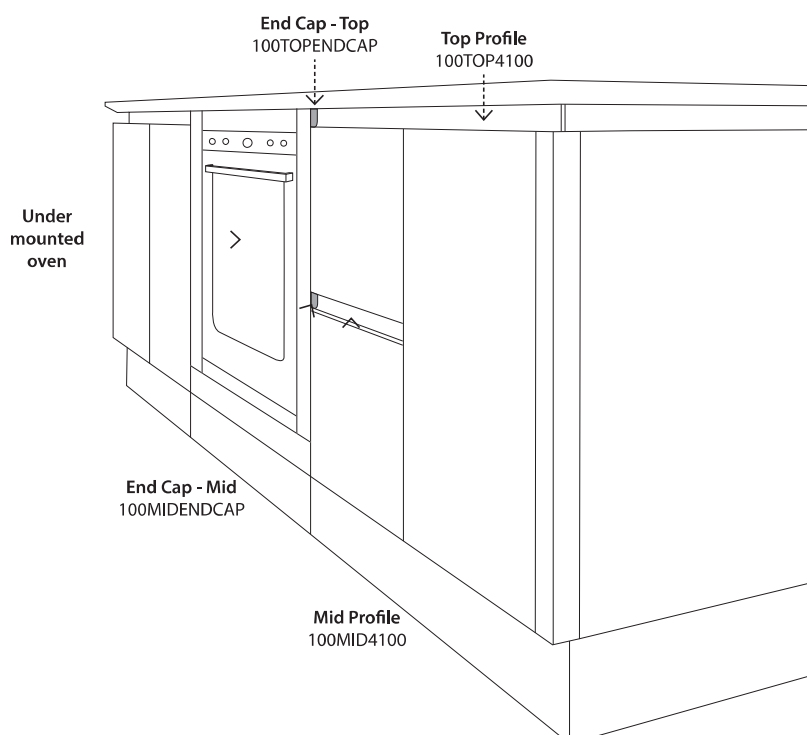
Vertical Profile - Intermediate

Code
100VERTMID4200

Finish / Material
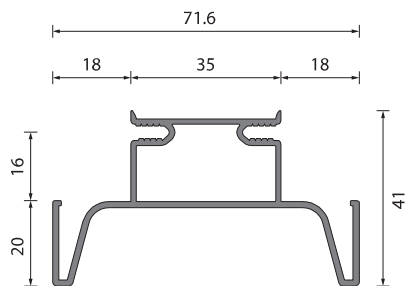Aluminium

Dimensions
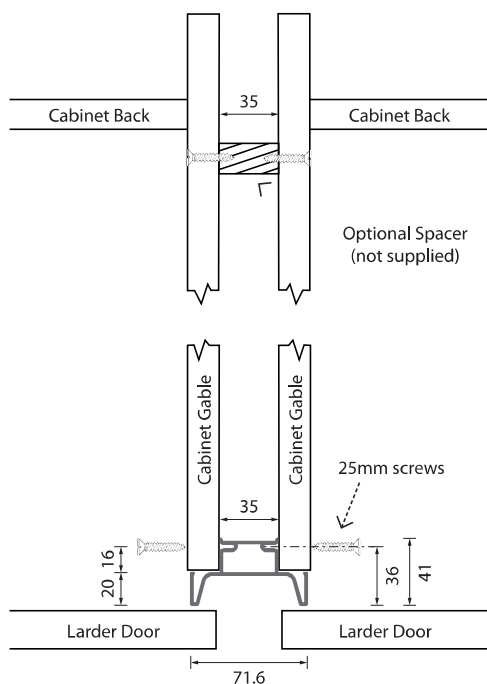4100 x 71.6 x 41mm

Accessories available
100VERTSPACER

- Used on tall units when two opening doors meet.

- Secured to cabinet gables with 25mm cabinet screws.

- Can be cut to size using a circular chop saw.

- A 35mm spacer (not supplied) is required at the back between the two cabinets to maintain the void created by the profile trim.

- The front of the cabinet gables need to be set back by 20mm for the trim to overlap behind the doors.

DIMENSIONS

FITTED DETAIL

Cabinet Back   35   Cabinet Back

Optional Spacer
(not supplied)

Cabinet Gable   Cabinet Gable

25mm screws

35

Larder Door   Larder Door

71.6

APPLICATION BETWEEN TWO DOORS

Vertical Profile - Lateral

Code
100VERTEND4200

Finish / Material
Aluminium

Dimensions
4100 x 53.3 x 41mm

Accessories available
100VERTSPACER

- Used on tall units when you have an opening door on one side only, can also be used to end a run where an end post or end panel is fitted.

- Secured to cabinet gable with 25mm cabinet screws.

- Can be cut to size using a circular chop saw.

- A 35mm spacer (not supplied) is required at the back between two cabinets or between a cabinet and end panel.

- The front of the cabinet gable needs to be set back by 20mm for the trim to overlap behind the door.

- To fix an end post or end panel to the profile you need to drill through the screw support channel and attach the end post from the inside of the cabinet with a 60mm screw.

DIMENSIONS

FITTED DETAIL

Cabinet Back — 35 — Cabinet Back

Optional Spacer (not supplied)

Cabinet Gable / Cabinet Gable

25mm screws
(A 60mm screw applied from the inside of the cabinet is recommended if fitting against an end post / end panel)

41 / 36 / 35

20 / 16

Larder Door / Larder Door

53.3

APPLICATION BETWEEN TWO DOORS

Spacer for Appliance

Code
100VERTSPACER

Finish / Material
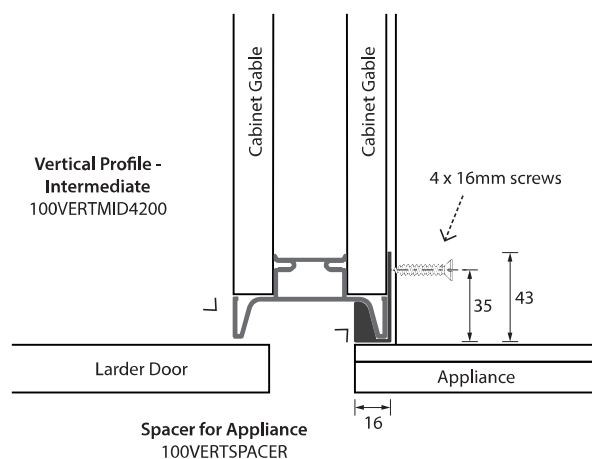Aluminium

Dimensions
580 x 19.6 x 20.8mm

- Used to conceal the space behind the front of an appliance when used in an appliance housing unit combined with vertical Vero profiles.

- Fixed into the cabinet gable with 3 screws (4 x 16mm).

- Works with both intermediate and lateral vertical profiles.

- The trim can be cut down to suit different sized appliances. If doing so, we recommend that a metal file is used to remove any sharp edges on the cut edge and that it is positioned out of sight.

- If the appliance requires a screw fixing into the cabinet, the spacer can be drilled into to accomodate the screws.

- When stacking appliances, we recommend leaving a 10mm gap to the top and bottom of both appliances.

DIMENSIONS
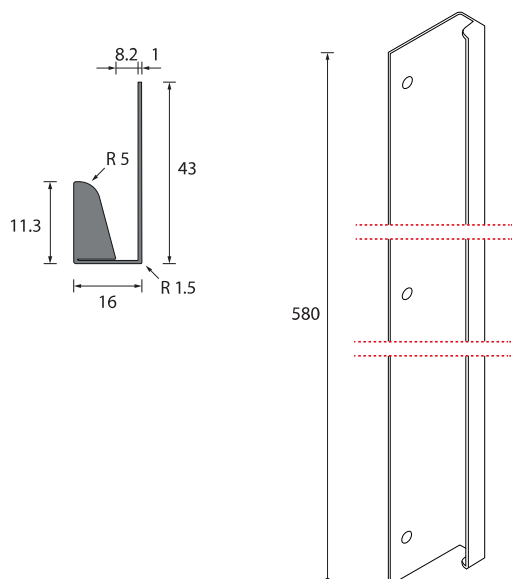
FITTED DETAIL

APPLIANCE INSTALLATION

Wall Cabinet Profile

Code
100WALL3900

Finish / Material
Aluminium

Dimensions
3900 x 19.6 x 20mm

Accessories available
N/A

- Concealed rail used on wall units.

- Can be cut to size using a circular chop saw.

- The base panel on the wall cabinet must be set back with 20mm to accommodate the rail profile within the cabinet.

- The base panel must also have a 8mm deep, 3mm high routered groove for the profile to slot into.

- Clear silicone adhesive should be used to bind the rail with the panel.

DIMENSIONS

20.8
19.6
8
8
7
20

FITTED DETAIL

Door

Wall cabinet base panel

20

CABINET ROUTING

8
18
7.5
3
7.5
7.5

20

Quick Fix Brackets

Code
100QFIX

Finish / Material
Plastic

Dimensions
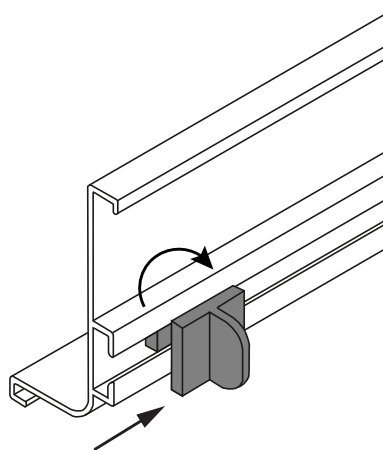N/A

Accessories available
N/A
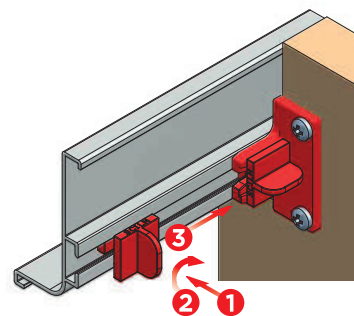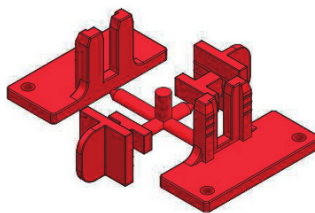
- Screw mounted brackets for top and mid profiles.
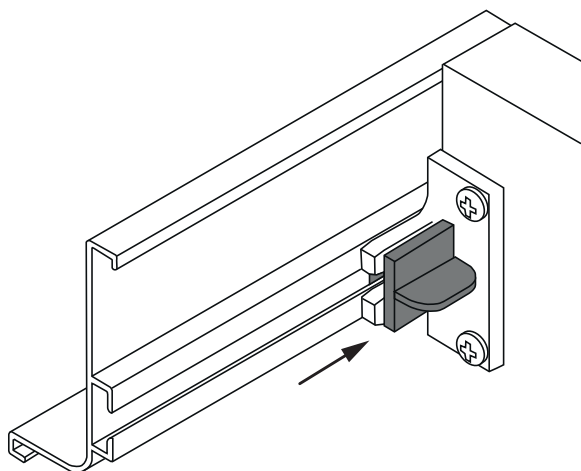- Comes in pairs (min. order 25 pairs).

FITTING TOP AND MID PROFILES
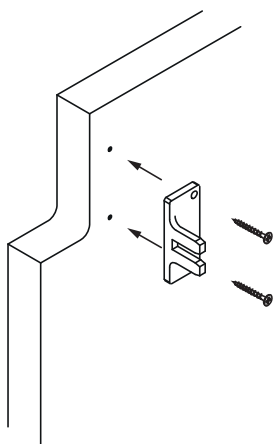
Step 1.
Attach quick fix brackets (100QFIX) to routered cabinet gables using screws.

Step 2.
Slide the connectors into the back of the profile and turn 90 degrees.

Step 3.
Apply profile to routered cabinet and push connectors into brackets to secure the profile to the cabinet.

Internal Corner Joint - Top

Code
100TOPINT90

Finish / Material
Aluminium

- Used to connect two top profiles at an internal corner, to be used together with an internal corner post.

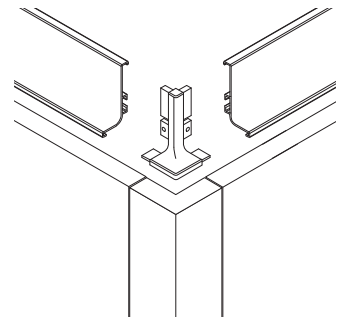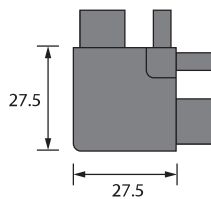- Secured to the top profile using two screws (supplied).

28.3

28.3
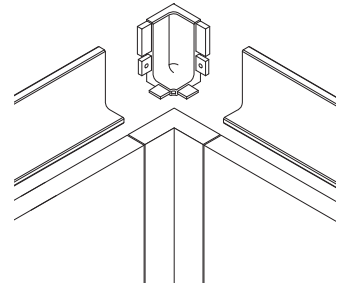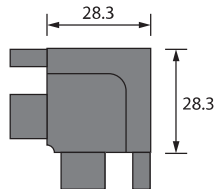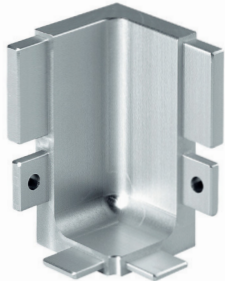
External Corner Joint - Top

Code
100TOPEXT90

Finish / Material
Aluminium

- Used to connect two top profiles running around an external corner or an island unit, to be used together with an external corner post.

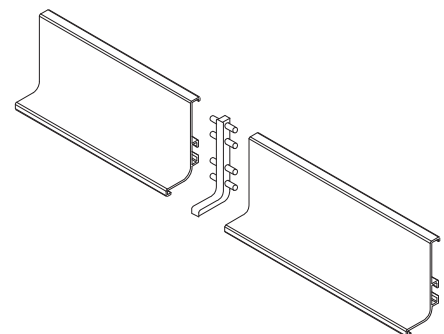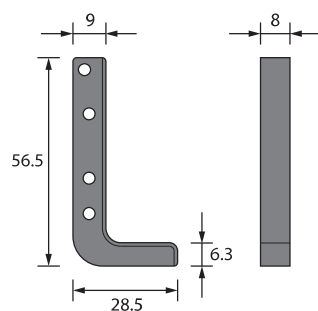- Secured to the top profile using two screws (supplied).

27.5

27.5

Top Joint

Code
100TOPJOINT

Finish / Material
Aluminium

- Used to join together lengths of top profiles.

- Held in place with 4 grub screws (supplied).
  (Grub screw secured with Allen key)

- When using top joints a 8mm spacing must be taken into account when cutting down the profiles that are being joined together.
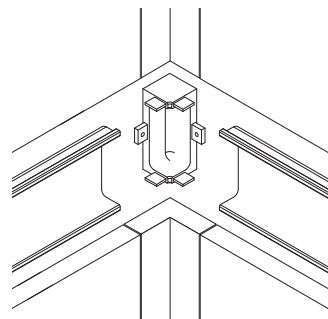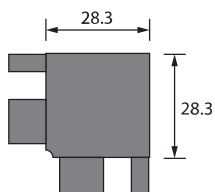
9

8

56.5

6.3

28.5

Internal Corner Joint - Mid

Code
100MIDINT90

Finish / Material
Aluminium

- Used to connect two mid profiles at an internal corner, to be used together with internal corner posts.
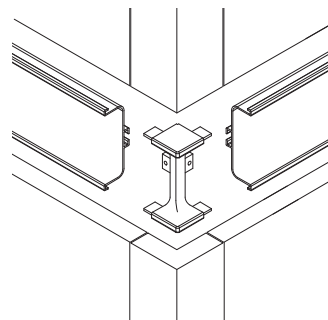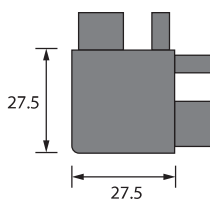- Secured to the mid profile using two screws (supplied).

External Corner Joint - Mid

Code
100MIDEXT90

Finish / Material
Aluminium

- Used to connect two mid profiles running around an external corner or an island unit, to be used together with external corner posts.
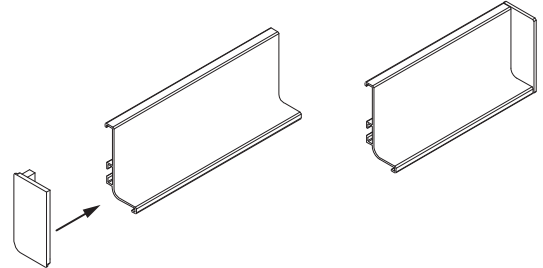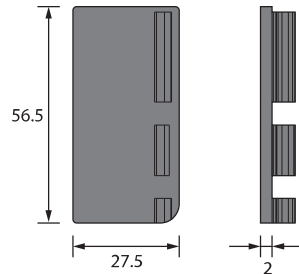- Secured to the mid profile using two screws (supplied).

End Caps - Top

Code
100TOPENDCAP

Finish / Material
Aluminium

- Used at the end of a top profile for example against a wall, end panel or next to appliances such as under mounted oven.

- Secured to the top profile using a grub screw (supplied).
  (Grub screw secured with Allen key)

- When using end caps, a 2mm spacing must be taken into account when cutting down the trim.

56.5

27.5

2

End Caps - Mid

Code
100MIDENDCAP

Finish / Material
Aluminium

- Used at the end of a mid profile for example against a wall, end panel or next to appliances such as under mounted oven.

- Secured to the mid profile using a grub screw (supplied).
  (Grub screw secured with Allen key)

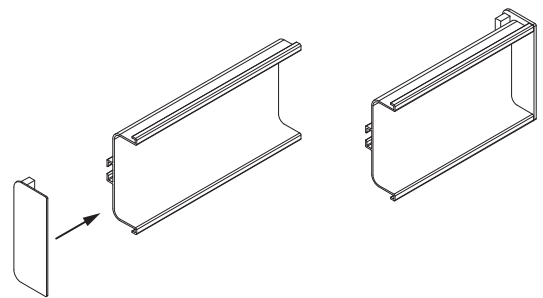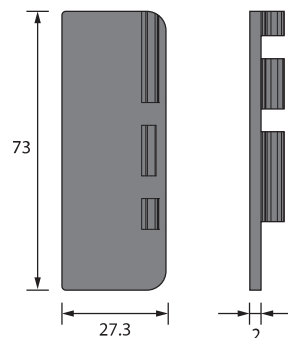- When using end caps, a 2mm spacing must be taken into account when cutting down the trim.

73

27.3

2

Door Combinations
Suggested door & drawer combinations for Vero handleless rail system

Base & Wall doors
Medium height (1970mm) & tall height (2150mm) installation

296
396
446   227 446   496
496   296 496   596
596   346 546   796
       396 596   896
              996   596   596

895   490   450   355
       715   355

              355

160   160
      325
685   160
      490
      325   325

              110

150mm Plinth

147 446 596 496 496 596
296 496   596 596 Built
315 546   796 796 Under
346 596   896 896 Oven
396   996 996

Full length doors & appliances
Medium height installation (1970mm cabinet)

1965	1245	715	980	450	490	645	490
	715	1245	980	460	900	600	380
				600			600
				450	570	715	490

150mm Plinth

| Full Length Doors 296 396 496 596 | Fridge / Freezer | Fridge / Freezer | Fridge / Freezer | Microwave Oven / Coffee Maker & Single Oven | Double Oven | Single Oven | Microwave Oven & Single Oven |

Full length doors & appliances
Studio height installation (1250mm cabinet)

1245	900	600 filler	460 filler	600 filler	600 filler	460 filler	460 filler
	filler	570	715	570		325	685
	175				160	325	
					325	325	

150mm Plinth

| Full Length Doors 296 396 446 496 596 | Double Oven | Single Oven | Microwave / Coffee Maker | Single Oven | Single Oven | Microwave / Coffee Maker | Microwave / Coffee Maker |

Full length doors & appliances
Tall height installation (2150mm cabinet)

895	1245	175	490	570	490	715	
1245	895	980	460	380	900	600	
			600	600	filler	110	
			110	175			
			450	570	570	715	

150mm Plinth

| Fridge / Freezer | Fridge / Freezer | Fridge / Freezer | Microwave Oven / Coffee Maker & Single Oven | Microwave Oven / Coffee Maker & Single Oven | Double Oven | Single Oven |