



 JURALCO

JURALCO 800 SERIES WARDROBE DOOR SYSTEM

ISSUE 9/20

Juralco 800 Series Wardrobe Door Systems

Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents.

For more than 25 years we have been at the forefront of specialist aluminium door and window products suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and internal doors.

The 800 Series is a traditional wardrobe door system with rear mounted bottom rollers offering a choice of a rounded fully framed or semi-frameless look panels. The large adjustable wheel carriage and rear mounted configuration allow for maximum adjustment for out of level floors while still providing smooth quiet panel movement. Popular infills such as painted Gib-Board or safety Mirror can be used to blend with room decor. Doors can be custom-made in a variety of powder-coat colours as well as polished bright anodised or satin anodised finishes

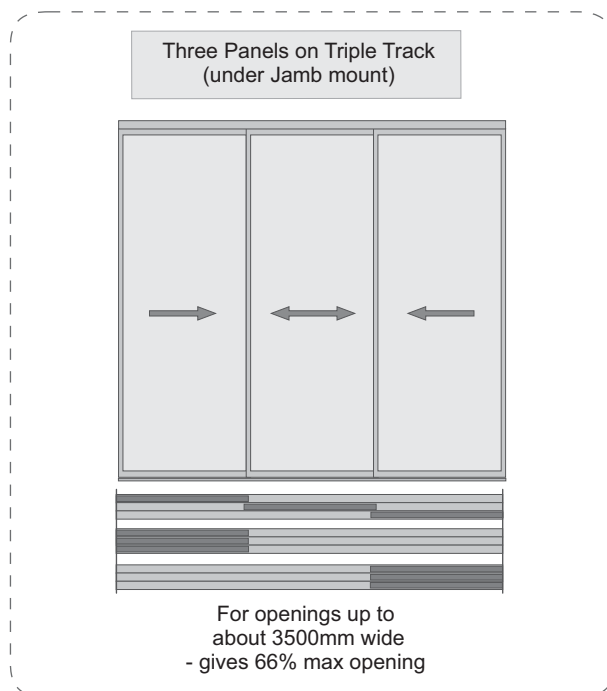
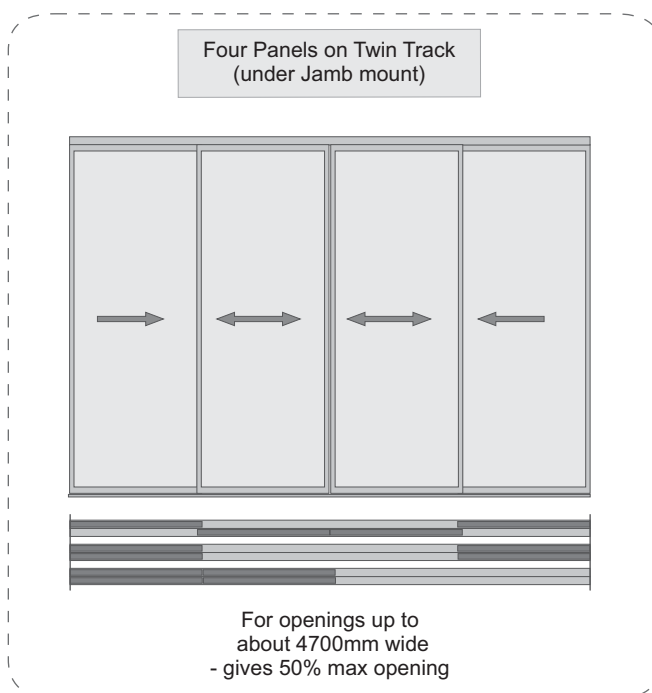
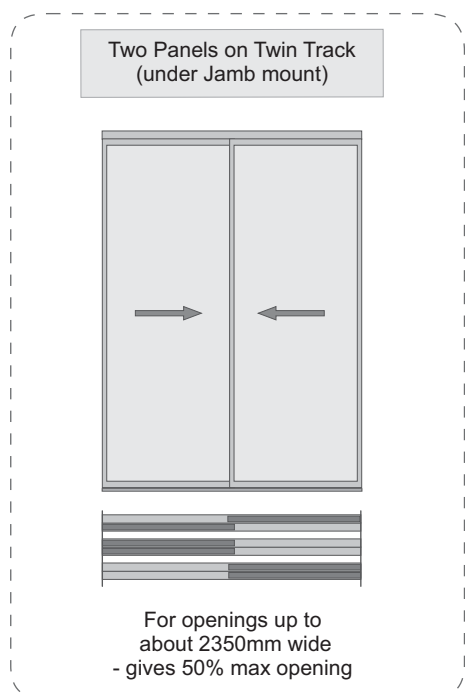
This Guide is intended for use by Architects, Specifiers and Fabricators
Pages 2-3 cover areas of general interest. Pages 4 onwards are intended for Fabricators

Shown below are some typical 800 system Door solutions for this family house .



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Juralco 800 Series Wardrobe Door System - Typical Layouts

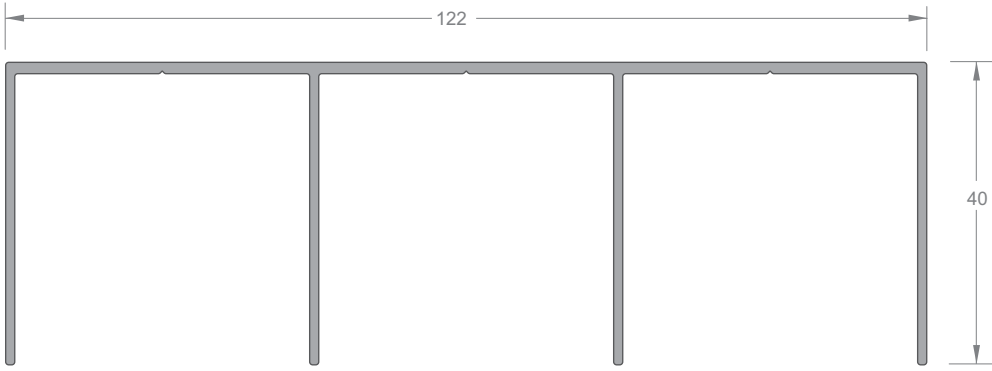


General Description

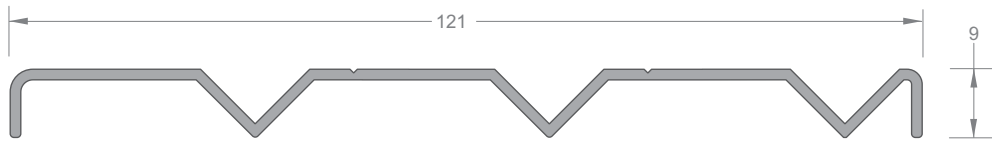
- Panels max height 2400mm, max width 1200mm recommended
- Top Track Install - normally Reveal mounted.
- Bottom Track installs direct to Floor on a Packer
- Aluminium Extrusions - A range of standard and custom powder-coat and anodised finishes Contact Juralco.
- Infill Panels - Panel board, Mirror and Gib infills up to 10mm in thickness
- Handles - incorporated in stile extrusion
- Stile Infill Buffer - Wide range of colour co-ordinated colours
- Adjustable Bottom Rollers - Convex Nylon and Steel Rollers
- Weight - up to 60kg Per Panel
- Quiet Smooth Operation

Important Note: to conform to NZS4223.3.2016 regulations vinyl backed safety mirror must have a minimum thickness of 4mm with a maximum fully framed area of 2.0m². If the wardrobe system is used as a partition between rooms annealed glass can be used with a minimum thickness of 5mm and maximum area of 0.5m² per panel

Juralco 800 Series Wardrobe Door Systems - Extrusions



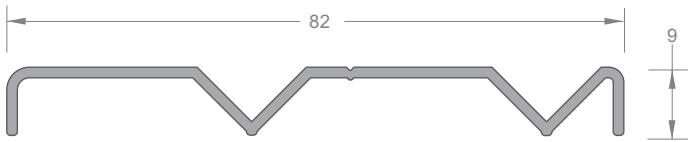
TRIPLE TOP TRACK
Part No 8228



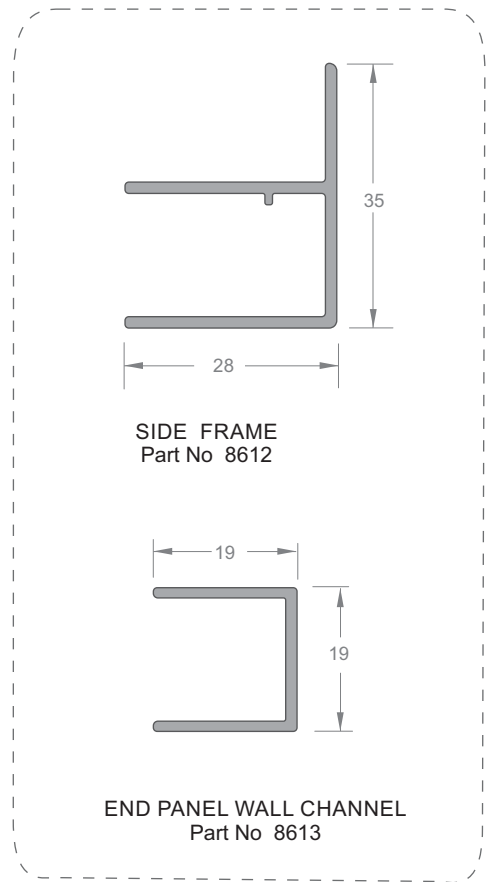
TRIPLE BOTTOM TRACK
Part No 8227



DOUBLE TOP TRACK
Part No 8218

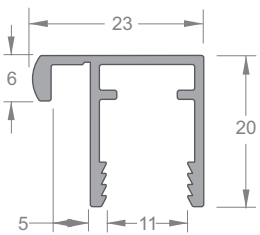


DOUBLE BOTTOM TRACK
Part No 8217

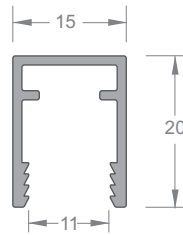


SIDE FRAME
Part No 8612

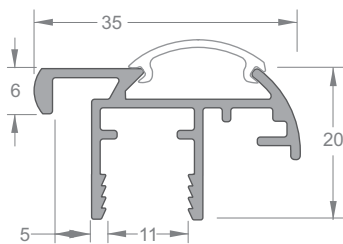
END PANEL WALL CHANNEL
Part No 8613



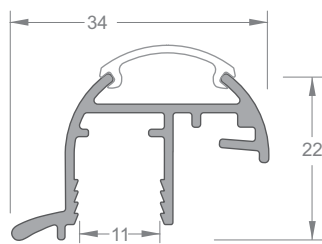
TOP & BOTTOM RAIL
(Frameless type)
Part No 8230



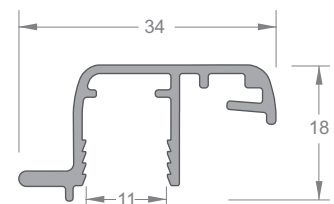
TOP & BOTTOM RAIL
Part No 8216



STILE (Frameless type)
Part No 8229



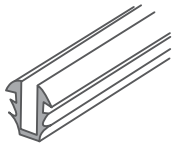
STILE
Part No 8215



STILE (Flat Type)
Part No 8235

Juralco 800 Series Wardrobe Door System - Components

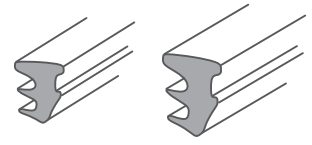
Glass Gasket 4mm
Part No D04



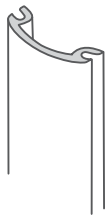
1mm Glazing Wedge
Part No D12



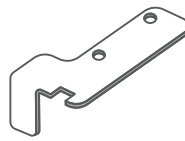
Glazing Wedges



Infill Buffer
Part No D02



Top Corner Bracket
Part No D06



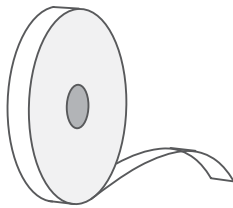
(LH & RH pair)

Head Channel Spacer
Part No D05



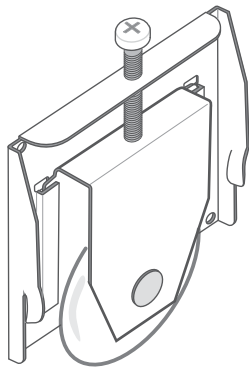
(LH & RH pair)

Double sided Tape
Part No X01



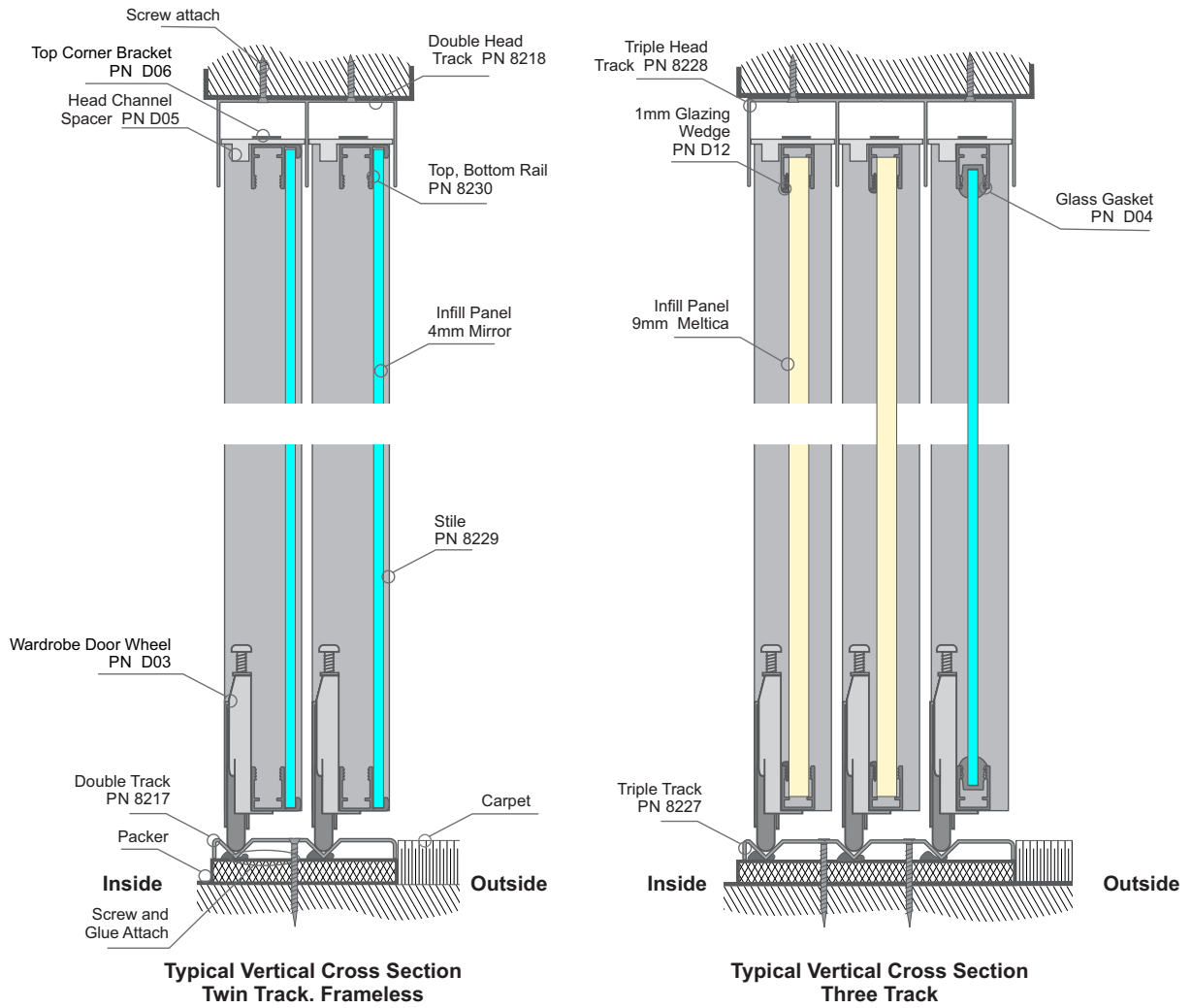
1mm thick

Wardrobe Door Wheel
Part No D03

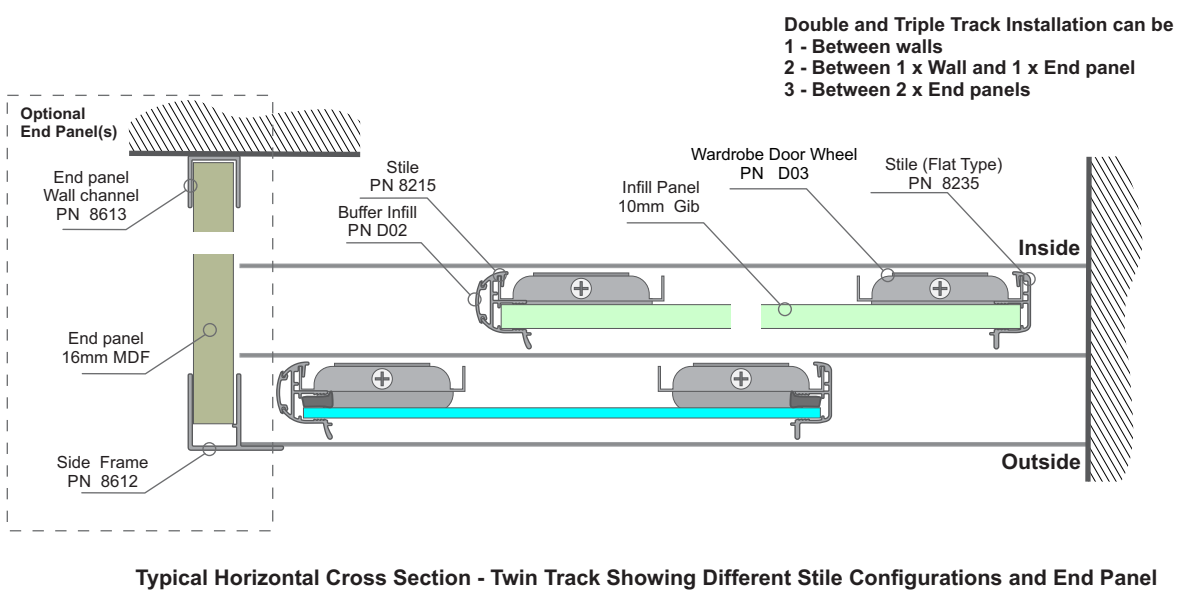


Juralco 800 Series Wardrobe Door System - Typical Sections and Features

Typical Vertical Cross sections

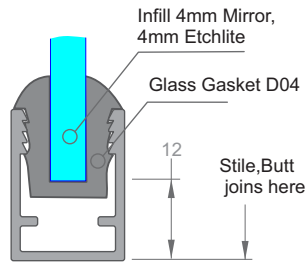


Typical Horizontal Cross sections

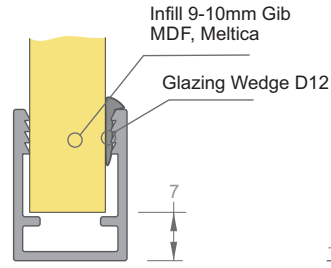


Juralco 800 Series Wardrobe Door System - Cutting and Infill Allowances

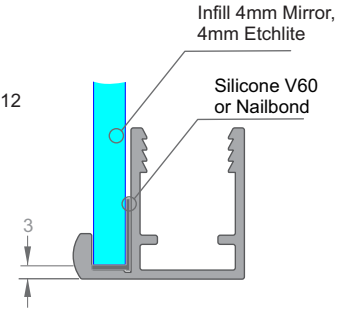
Infill Height allowances



TOP & BOTTOM RAIL
Part No 8216

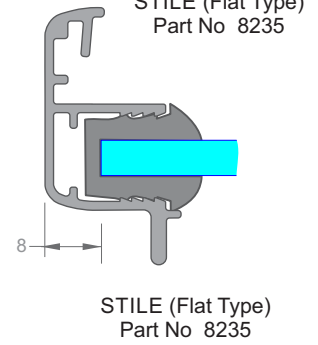
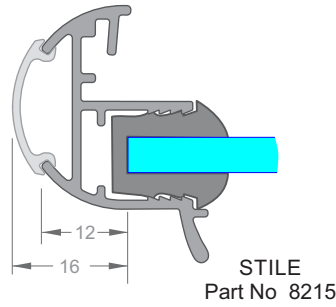
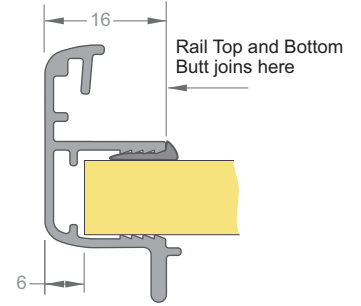
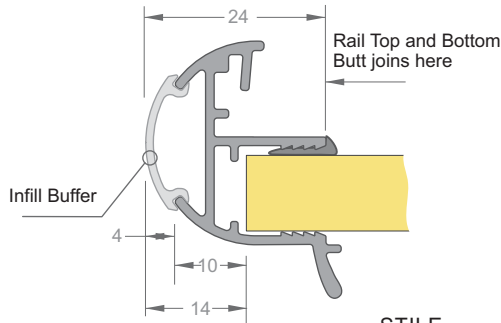
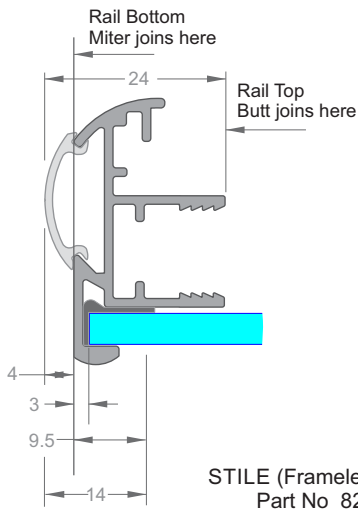


TOP & BOTTOM RAIL
Part No 8216

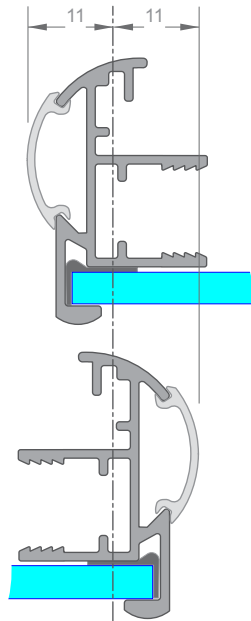


TOP & BOTTOM RAIL
(Frameless type)
Part No 8230

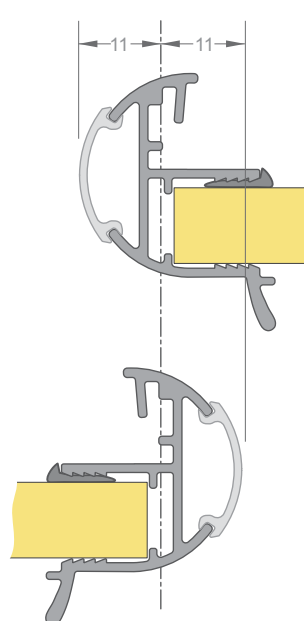
Rail cutting allowances



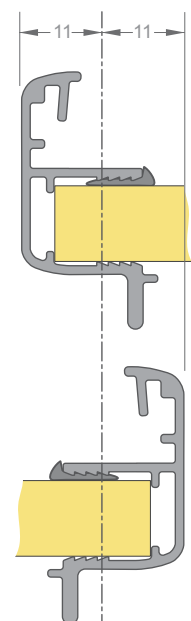
Stile and Infill Buffer Overlaps



STILE (Frameless type)
Part No 8229

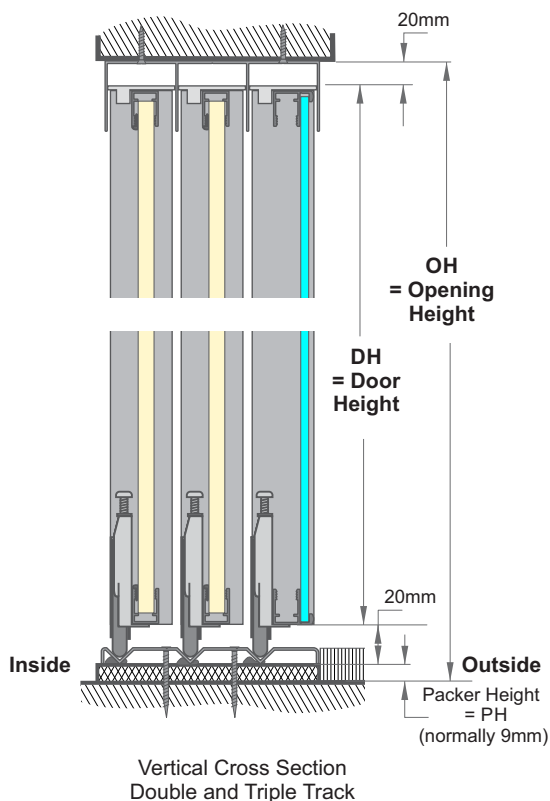


STILE
Part No 8215



STILE (Flat Type)
Part No 8235

Juralco 800 Series Wardrobe Door System - Cutting



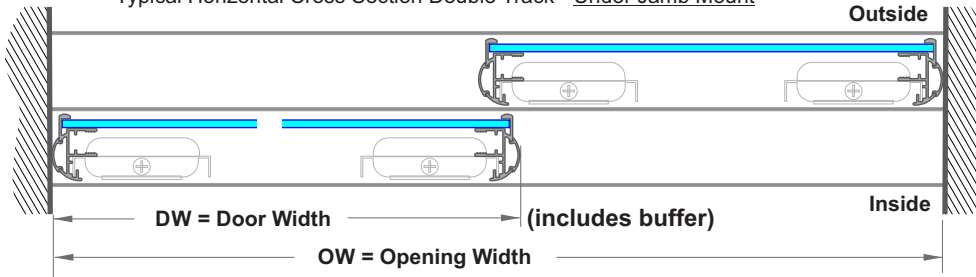
ALL DOORS - HEIGHT CUTTING FORMULA

	HEIGHTS	Part	Formula in mm
1	Single Door - Overall Height = DH		OH - PH - 40 (= DH)
2	Door , Stiles 8215, 8235	8215, 8235	DH
3	Door , Stiles 8229 Frameless, miter bottom	8229	DH
4	Door , Infill Buffer for Stiles 8215, 8229	D02	DH
5	Infill, MDF, Meltica, Gib, for Rail 8216 + Glazing Wedge	NA	DH - 14
6	Infill, 4mm Mirror, 4.75mm Seratone for Rail 8216 + D04	NA	DH - 24
7	Infill, 4mm Mirror, 4.75mm Seratone for Rail 8230	NA	DH - 6

Note : Mirror, Glass panel size imitations . Refer to page 3

Juralco 800 Series Wardrobe Door System - Cutting

Typical Horizontal Cross Section Double Track - Under Jamb Mount



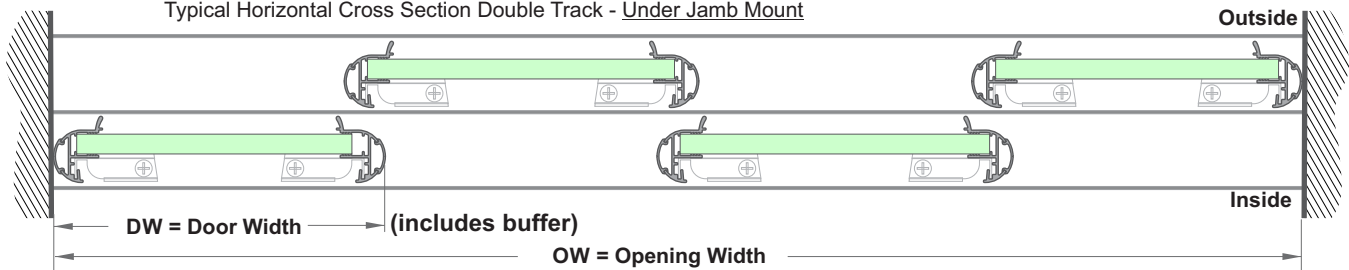
- NOTES :**
 1 - Door Width includes Infill Buffer D02 = 8mm total per door, for Stiles 8215 and 8229
 2 - For height cutting formula refer page F5

DOUBLE TRACK, TWO DOORS, CUTTING FORMULA

	WIDTHS	Part	Formula in mm
1	Double Head Track	8218	OW
2	Double Track	8217	OW
3	Single Door - Overall Width = DW		OW / 2 + 11 (= DW)
4	Door , Top and Bottom Rail for Stile 8215	8216	DW - 48
5	Infill, MDF, Meltica, Gib for Stile 8215 + Glazing Wedge	NA	DW - 28
6	Infill, 4mm Mirror, 4.75mm Seratone for Stile 8215 + D04	NA	DW - 32
7	Door , Top Rail for Stile 8229 Framless	8230	DW - 48
8	Door , Bottom Rail for Stile 8229 Framless, miters	8230	DW - 8
9	Infill, 4mm Mirror, Safety Glass, 4.75mm Seratone + D04	NA	DW - 14
10	Door , Top and Bottom Rail for Stile 8235	8216	DW - 32
11	Infill, MDF, Meltica, Gib for Stile 8235 + Glazing Wedge	NA	DW - 12
12	Infill, 4mm Mirror, 4.75mm Seratone for Stile 8235 + D04	NA	DW - 16

Note : Mirror, Glass panel size imitations . Refer to page 3

Typical Horizontal Cross Section Double Track - Under Jamb Mount



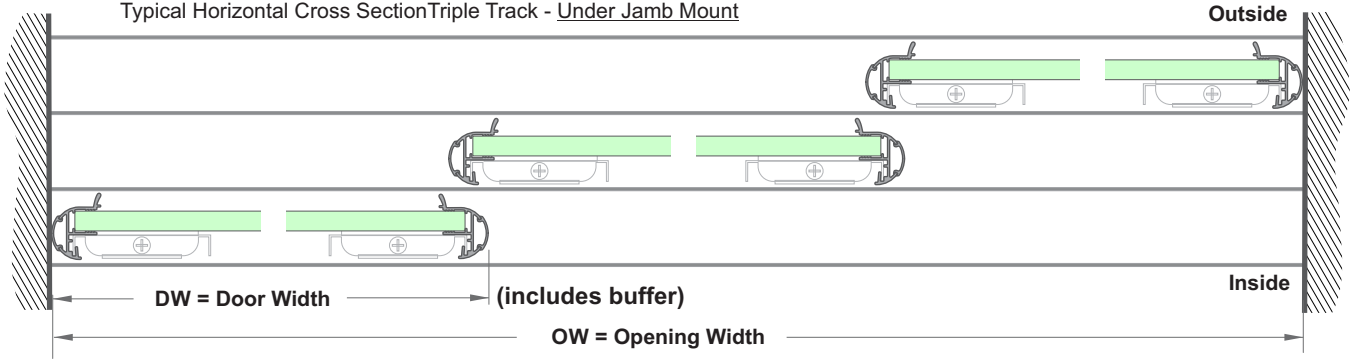
DOUBLE TRACK, FOUR DOORS, CUTTING FORMULA

	WIDTHS	PART	Formula in mm
	ITEM		
1	Double Head Track	8218	OW
2	Double Track	8217	OW
3	Door= Single Door , Overall Width = DW		OW / 4 + 16 (= DW)
4	Door , Top and Bottom Rail for Stile 8215	8216	DW - 48
5	Infill, MDF, Meltica, Gib for Stile 8215 + Glazing Wedge	NA	DW - 28
6	Infill, 4mm Mirror, 4.75mm Seratone for Stile 8215 + D04	NA	DW - 32
7	Door , Top Rail for Stile 8229 Framless	8230	DW - 48
8	Door , Bottom Rail for Stile 8229 Framless, miters	8230	DW - 8
9	Infill, 4mm Mirror, Safety Glass, 4.75mm Seratone + D04	NA	DW - 14
10	Door , Top and Bottom Rail for Stile 8235	8216	DW - 32
11	Infill, MDF, Meltica, Gib for Stile 8235 + Glazing Wedge	NA	DW - 12
12	Infill, 4mm Mirror, 4.75mm Seratone for Stile 8235 + D04	NA	DW - 16

Note : Mirror, Glass panel size imitations . Refer to page 3

Juralco 800 Series Wardrobe Door System - Cutting

Typical Horizontal Cross Section Triple Track - Under Jamb Mount

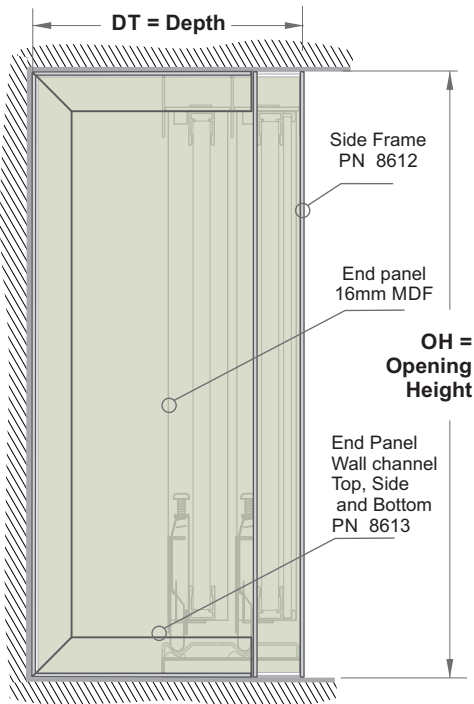


TRIPLE TRACK, THREE DOORS, CUTTING FORMULA

	WIDTHS	PART	Formula in mm
	ITEM		
1	Triple Head Track	8228	OW
2	Triple Track	8227	OW
3	Door = Single Door , Overall Width = DW		OW / 3 + 15 (= DW)
4	Door , Top and Bottom Rail for Stile 8215	8216	DW - 48
5	Infill, MDF, Meltica, Gib for Stile 8215 + Glazing Wedge	NA	DW - 28
6	Infill, 4mm Mirror, 4.75mm Seratone for Stile 8215 + D04	NA	DW - 32
7	Door , Top Rail for Stile 8229 Framless	8230	DW - 48
8	Door , Bottom Rail for Stile 8229 Framless, miters	8230	DW - 8
9	Infill, 4mm Mirror, Safety Glass, 4.75mm Seratone + D04	NA	DW - 14
10	Door , Top and Bottom Rail for Stile 8235	8216	DW - 32
11	Infill, MDF, Meltica, Gib for Stile 8235 + Glazing Wedge	NA	DW - 12
12	Infill, 4mm Mirror, 4.75mm Seratone for Stile 8235 + D04	NA	DW - 16

Note : Mirror, Glass panel size imitations . Refer to page 3

DT = Depth

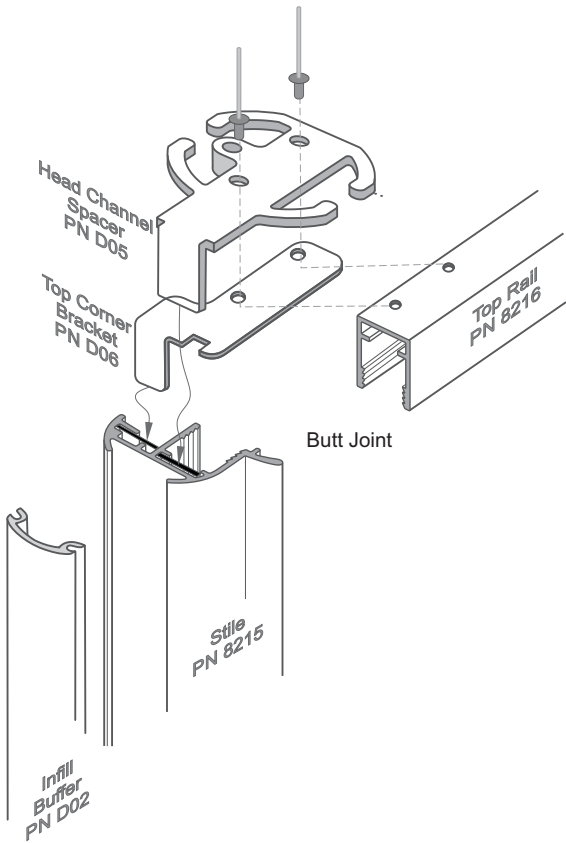


END PANELS, CUTTING FORMULA

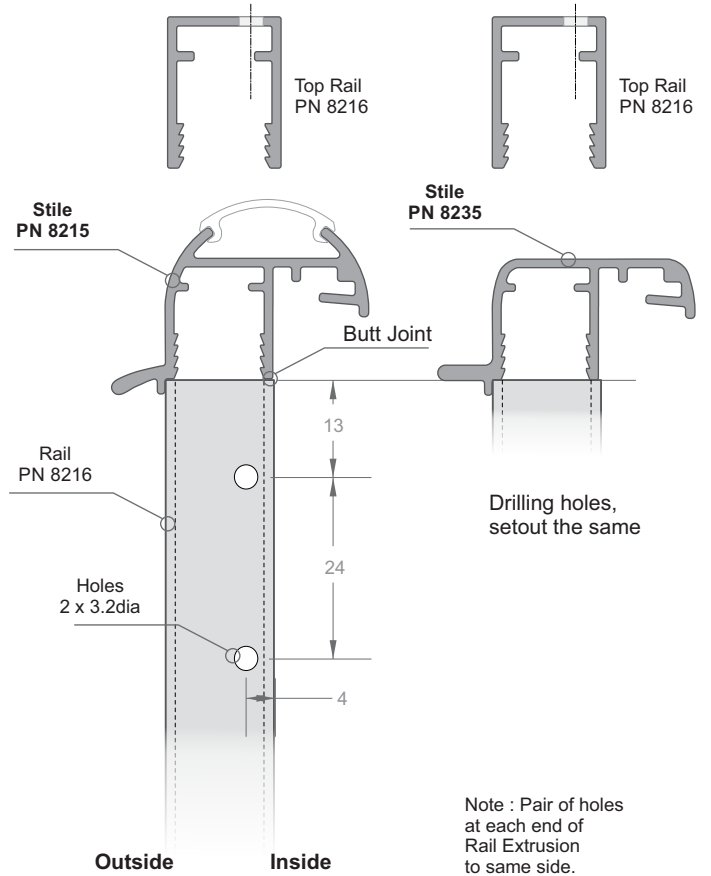
	ITEM	PART	Formula in mm
1	Side Frame - Height	8612	OH
2	Wall Channel - Height (Miter ends)	8613	OH
3	Wall Channel - Depth (1 x Miter end)	8613	DT - 28
4	Infill - 16mm MDF - Height	NA	OH - 3
5	Infill - 16mm MDF - Depth	NA	DT - 20

Juralco 800 Series Wardrobe Door System - Assembly, Setout, Machining

This page - Construction, assembly Details
For 8215, 8235 Stiles, and 8216 Rail



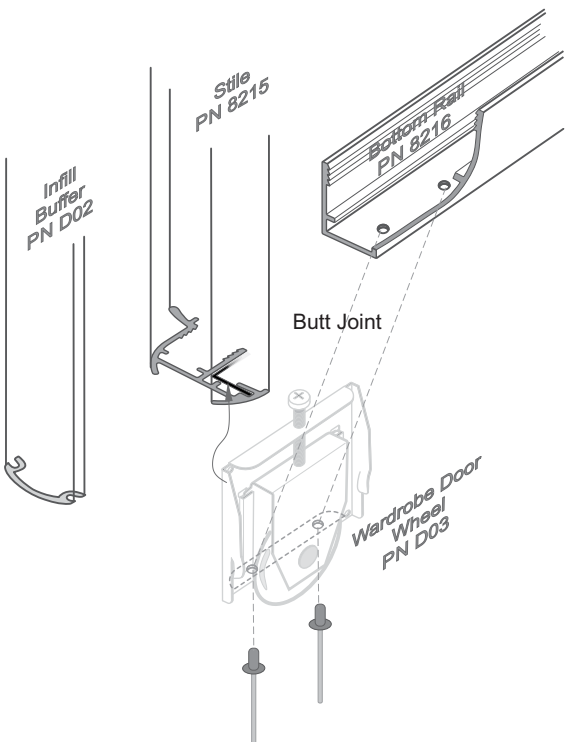
View from Frontside, Top Corner



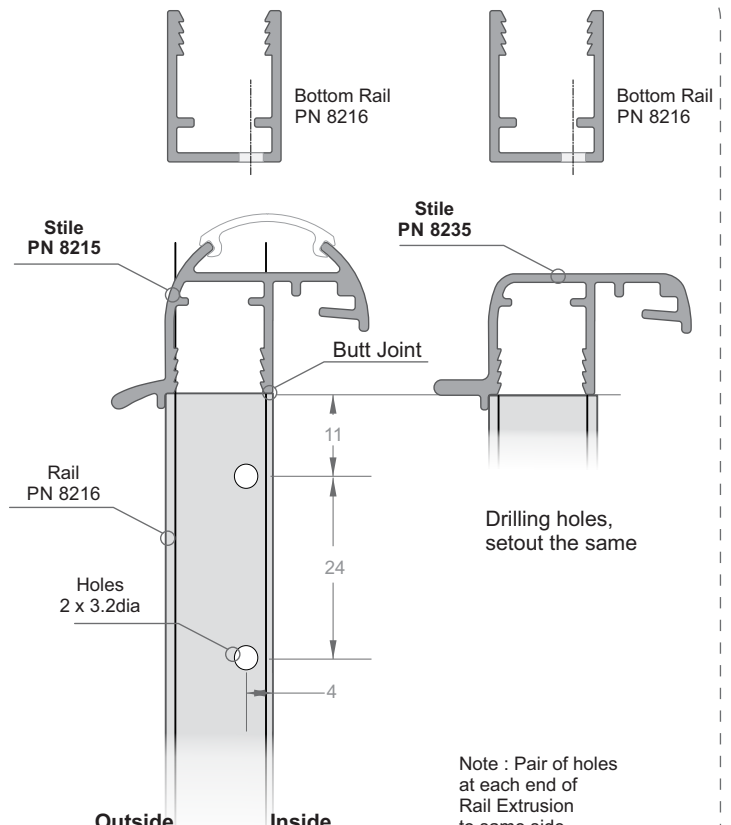
Machining - Top Corner

Note : Pair of holes
at each end of
Rail Extrusion
to same side.
Brackets LH, RH pair

Note : Once installed this
Top corner not visible



View from Backside, Bottom Corner



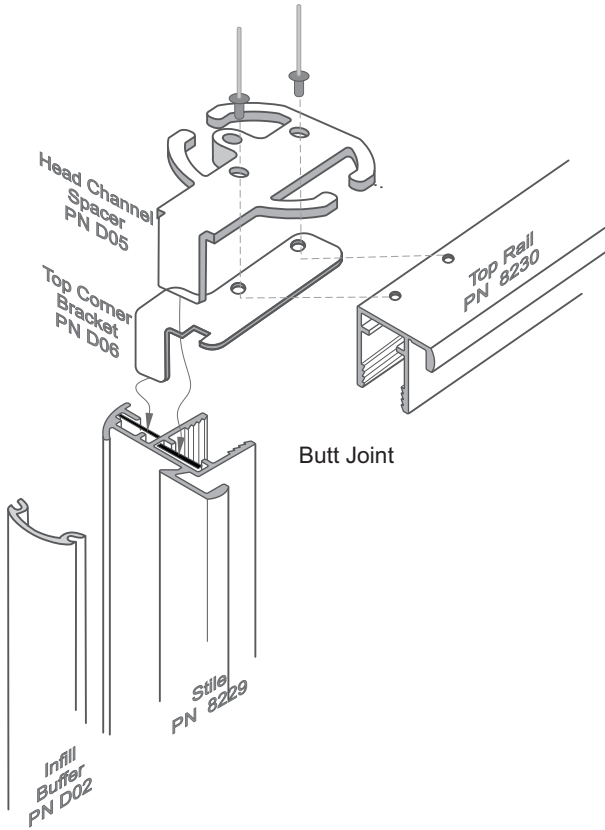
Machining - Bottom Corner

Drilling holes,
setout the same

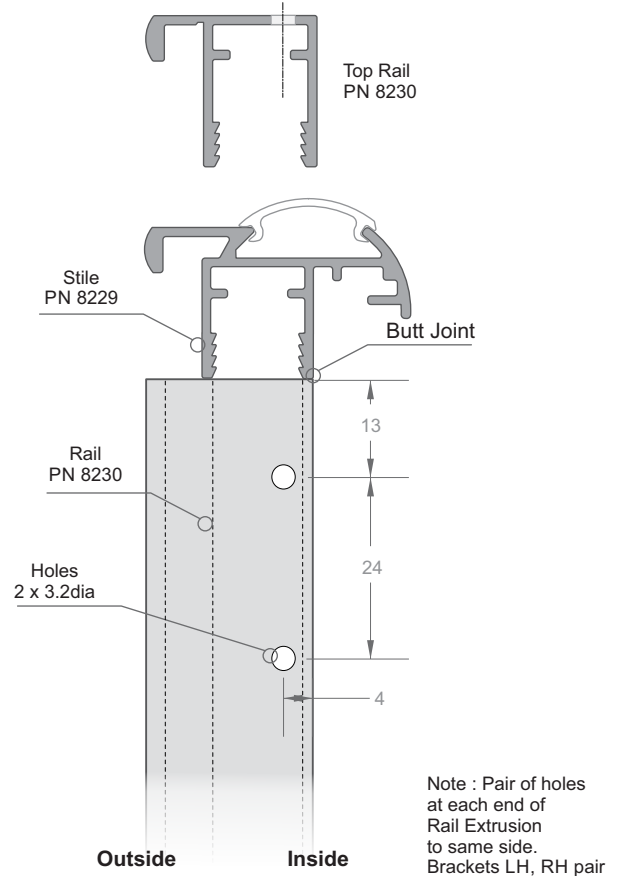
Note : Pair of holes
at each end of
Rail Extrusion
to same side.
Brackets LH, RH pair

Juralco 800 Series Wardrobe Door System - Assembly, Setout, Machining

This page - Construction, assembly Details
For 8229 Framless Stile, and 8230 Rail



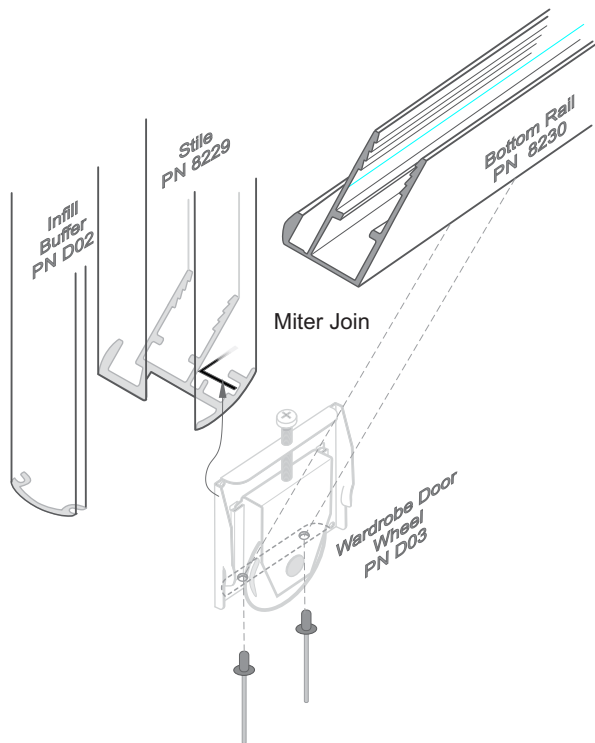
View from Frontside, Top Corner



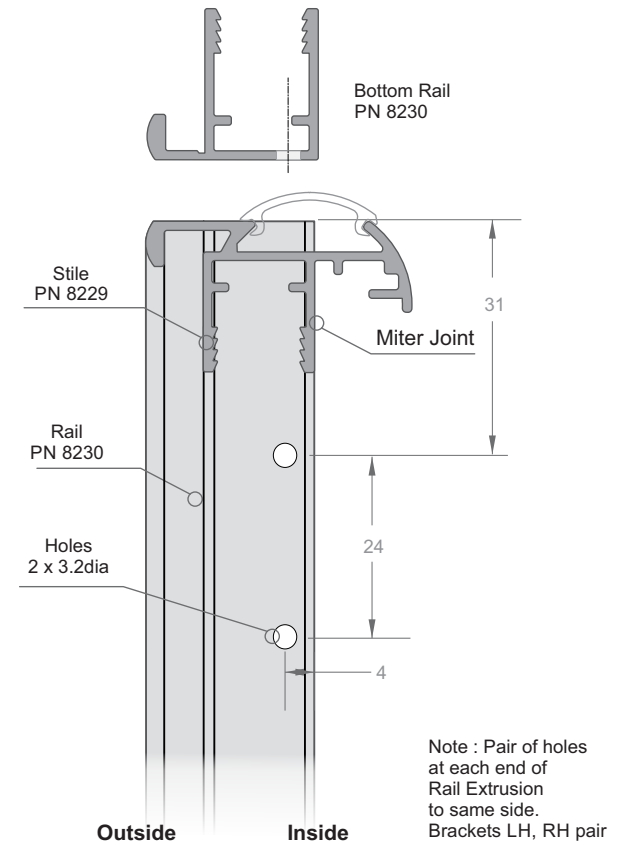
Machining - Top Corner

Note : Pair of holes at each end of Rail Extrusion to same side. Brackets LH, RH pair

Note : Once installed this Top corner not visible



View from Backside, Bottom Corner



Machining - Bottom Corner

Note : Pair of holes at each end of Rail Extrusion to same side. Brackets LH, RH pair

Recommended Manufacturing, Assembly and Installation Procedures

Manufacture

- 1- Hands must be clean and free from oils and grease.
- 2 - Inspect aluminium extrusions to ensure they are free of extrusion or surface finishing defects.
- 3 - Cut aluminium extrusions to size as per cutting formula.
- 4 - Cut infill to size as per cutting formula.

Assembly, Frame type

- 1 - Ensure work area is clean and free from chips dust. Hands must be clean and free from oils and grease.
- 2 - Solid Infills - Run a bead of Panelbond along the top face of the stiles first ,then top and bottom rails.
Leave overnight.

Mirror - Place the mirror face upwards on blocks, raising the mirror off the work bench by approximately 30 mm.

Run the Glass Gasket wrap around mirror edge starting from one of the top corners.

(If done this way Vinyl Wrap join is not readily visible). Note: Do not overstretch wrap as it may pull away at top join.

Gib or Wood Panel Glaze with No 22 or D12 Wedge or other if necessary to the backside of the panel.

- 3 - Centre and press on both stiles ensuring handle grip is to mirror or best panel side.
- 4 - Press on both Top and Bottom Rails.
- 5 - Slide left and right hand Top Corner Brackets into stile cavity with bracket holes showing on top of Top Rail.
- 6 - **Carefully** drill through bracket holes into Top Rail. **Do not** drill too deep as drill bit will damage mirror if it strikes the glass.
You may wish to use a stop on the drill bit.
- 7 - Place Head Channel Spacers on top of each Top Corner Bracket locating one end of Spacer into stile cavity.
Rivet together using 73 AS44 rivets. Remove plastic block attached to Spacer and using a 25 mm x 8 Gauge screw, screw through from bottom of spacer into plastic block.
- 8 - Slide Door Rollers into stile cavity and locate firmly against Bottom Rail. Again, most carefully drill through the Bottom Rail and fix Rollers to Rail using 73 AS44 rivets.
- 9 - Fit buffer insert to stiles.

Assembly, Framless, Mirror Infill

- 1 - Lay the Mirror face downwards flat on the bench.
- 2 - Using a Stile, mark and carefully remove the vinyl strip all the way around the mirror.
- 3 - Dry assemble the Frame in two L Shaped sections (stile and rail) with a wheel on one section and a top Bracket on the other.
Predrill all the other holes.
- 4 - Run a bead of V60 silicone along the centre of each stile/rail assembly, then carefully push the two assemblies over the mirror edges
- 5 - Carefully insert the other wheel and top cover and rivet all into place.
- 6 - Leave on the bench 24 hrs to cure

Installation - Wardrobe Doors

- 1 - If using the Top/Bottom D08 end caps, fit before installation.
- 2 - Fixing of Top Track to ceilings is to be done with 25mm x 6g screws with wall toggles or similar if needed.
Where possible, glue the Bottom Track to the floor using 'No More Nails' or similar adhesive. Weigh down until adhesive cured. Ensure they are fitted to the front edge of any timber frame or other finished surface.
NOTE: it may be necessary to check into existing cornice and skirting board using a sharp chisel to the size of the appropriate track.
- 3 - Lift the back Door Panel, top first, into the Top Track and Wheel Assembly to the Bottom Track. Once aligned on track adjust the Wheel Carriage to ensure an even line between Door Style and wall. For out of square situations, select either the right or left hand Door Panel and adjust appropriately to that wall.
- 4 - Lift in the Front Door Panel and adjust, ensuring the Door Stile aligns with the wall.
NOTE - For three and four Panel Doors, the rear Doors must be fitted first.

Installation - Wardrobe Doors, using End Panels

- 1 - Attach End Panel Wall Channel to wall at measured position(s). Screw in place using wall toggles or similar.
Note - Predrill holes on inside channel upstand, to attach Return Panel.
- 2 - Fit Return Panel(s) in place, fix in place by screws from inside.
- 3 - Attach Top, Bottom Track as in 1 above.
- 4 - Lift Door Panels into place, adjust as in 2,3 above.
- 5 - Fit Side Frame to front of Return Panel.

Installation - Final

Adjust, align all gaps. Make sure all doors slide easily, quietly. Clean, polish off all fingermarks, leave the site clean and tidy.