JURALCO 800 SERIES
WARDROBE DOOR SYSTEM

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.5

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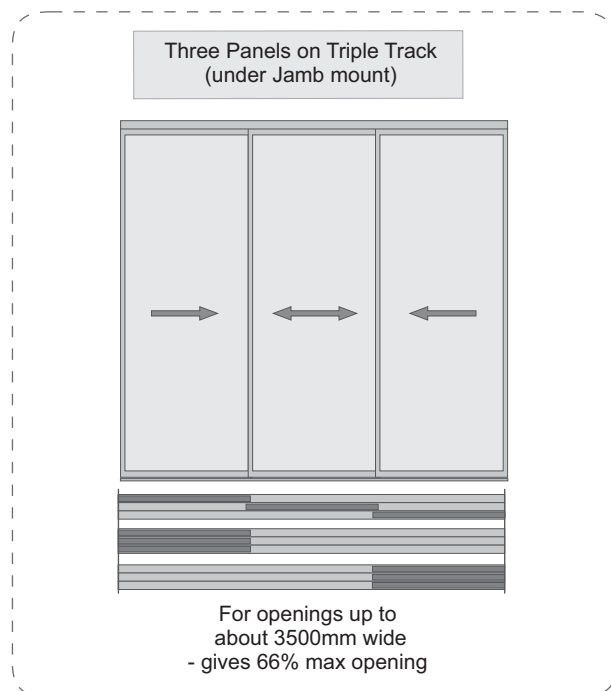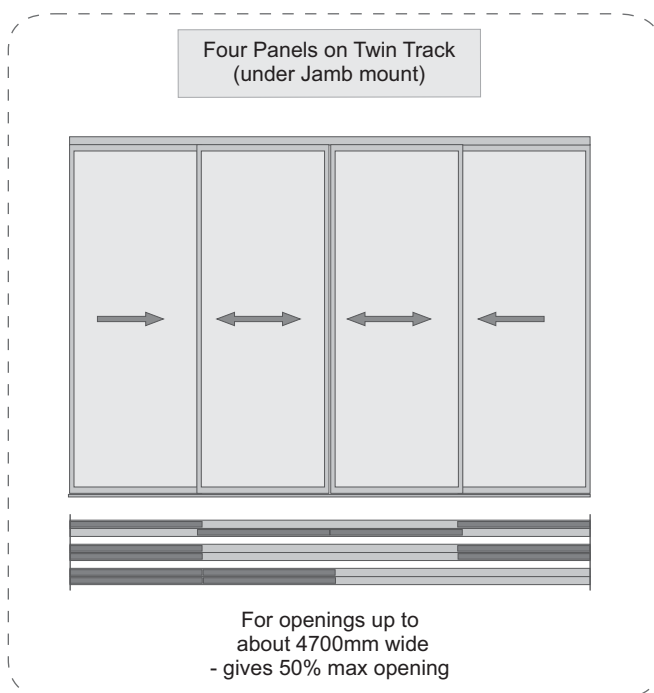
This Guide is intended for use by Architects, Specifiers and Fabricators
Pages 2-3 cover areas of general interest. Pages 4 onwards are intended for Fabricators

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

Juralco 350 Series Door Systems
1 door on Single track, Face mount

Juralco 350 Series Door Systems
2 doors on Single track, Face mount

Juralco 800 Series Wardrobe Door System
4 doors on Twin track,

Juralco 800 Series Wardrobe Door System
3 doors on Triple track,

Juralco 800 Series Wardrobe Door System
3 doors on Twin track,

Two Panels on Twin Track (under Jamb mount)

For openings up to
about 2350mm wide
- gives 50% max opening

Four Panels on Twin Track (under Jamb mount)

For openings up to
about 4700mm wide
- gives 50% max opening

Three Panels on Triple Track (under Jamb mount)

For openings up to
about 3500mm wide
- gives 66% max opening

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 2.0m^2. 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 0.5m^2 per panel

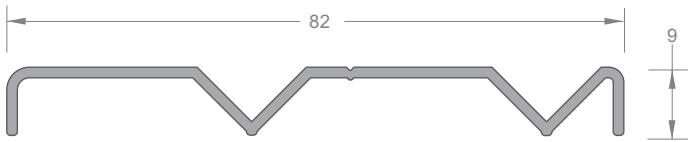# Juralco 800 Series Wardrobe Door Systems - Extrusions
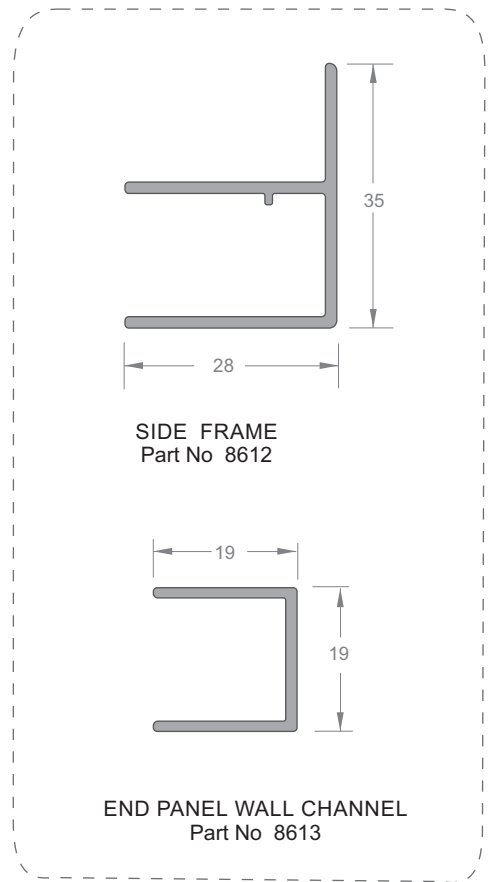
122

40
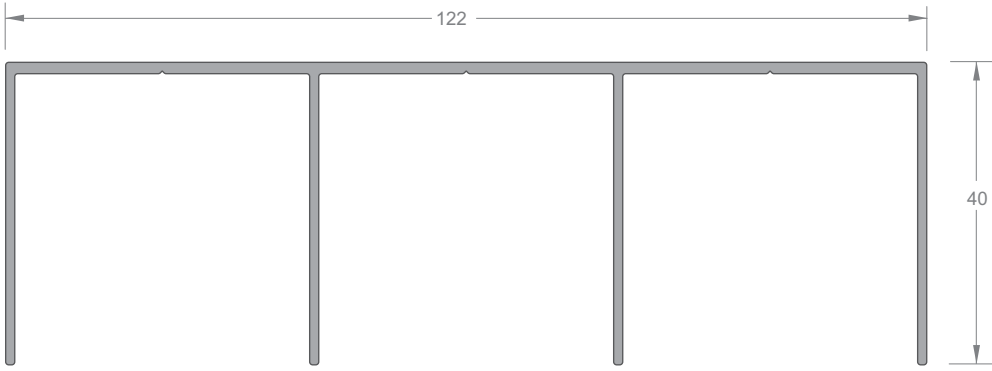
TRIPLE TOP TRACK
Part No 8228

121

9
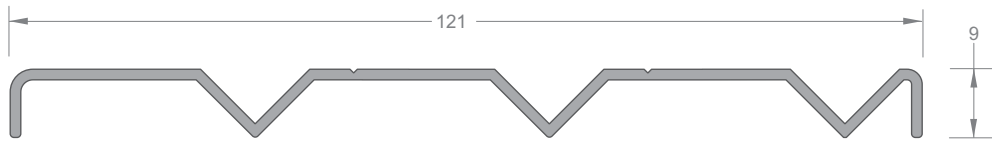
TRIPLE BOTTOM TRACK
Part No 8227

82

40

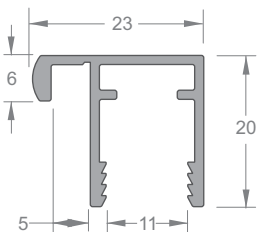DOUBLE TOP TRACK
Part No 8218

82

9

DOUBLE BOTTOM TRACK
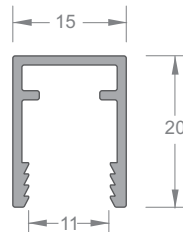Part No 8217

35

28

SIDE FRAME
Part No 8612

19

19

END PANEL WALL CHANNEL
Part No 8613
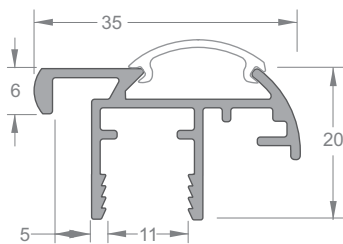
23

6

20

5   11

TOP & BOTTOM RAIL
(Frameless type)
Part No 8230

15

20

11

TOP & BOTTOM RAIL
Part No 8216

35

6

20

5   11

STILE (Frameless type)
Part No 8229

34

22

11

STILE
Part No 8215

34

18
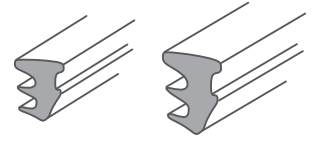
11
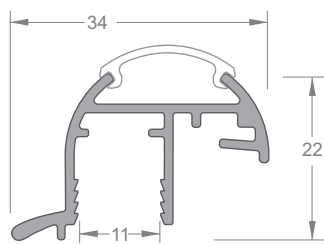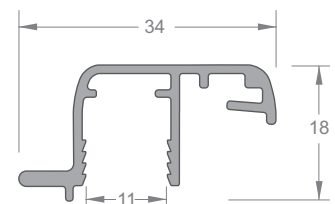
STILE (Flat Type)
Part No 8235

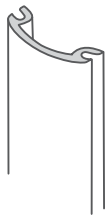Glass Gasket 4mm
Part No D04
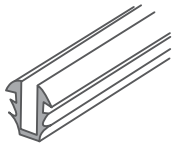
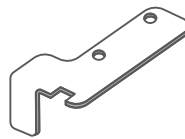1mm Glazing Wedge
Part No D12

Glazing Wedges

Infill Buffer
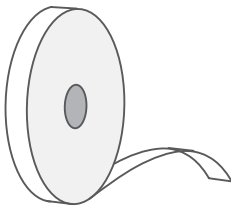Part No D02

Top Corner Bracket
Part No D06

(LH & RH pair)
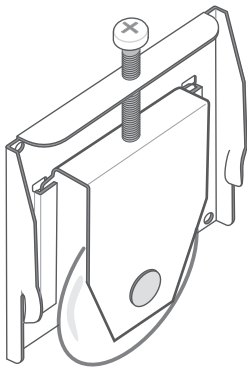
Head Channel Spacer
Part No D05
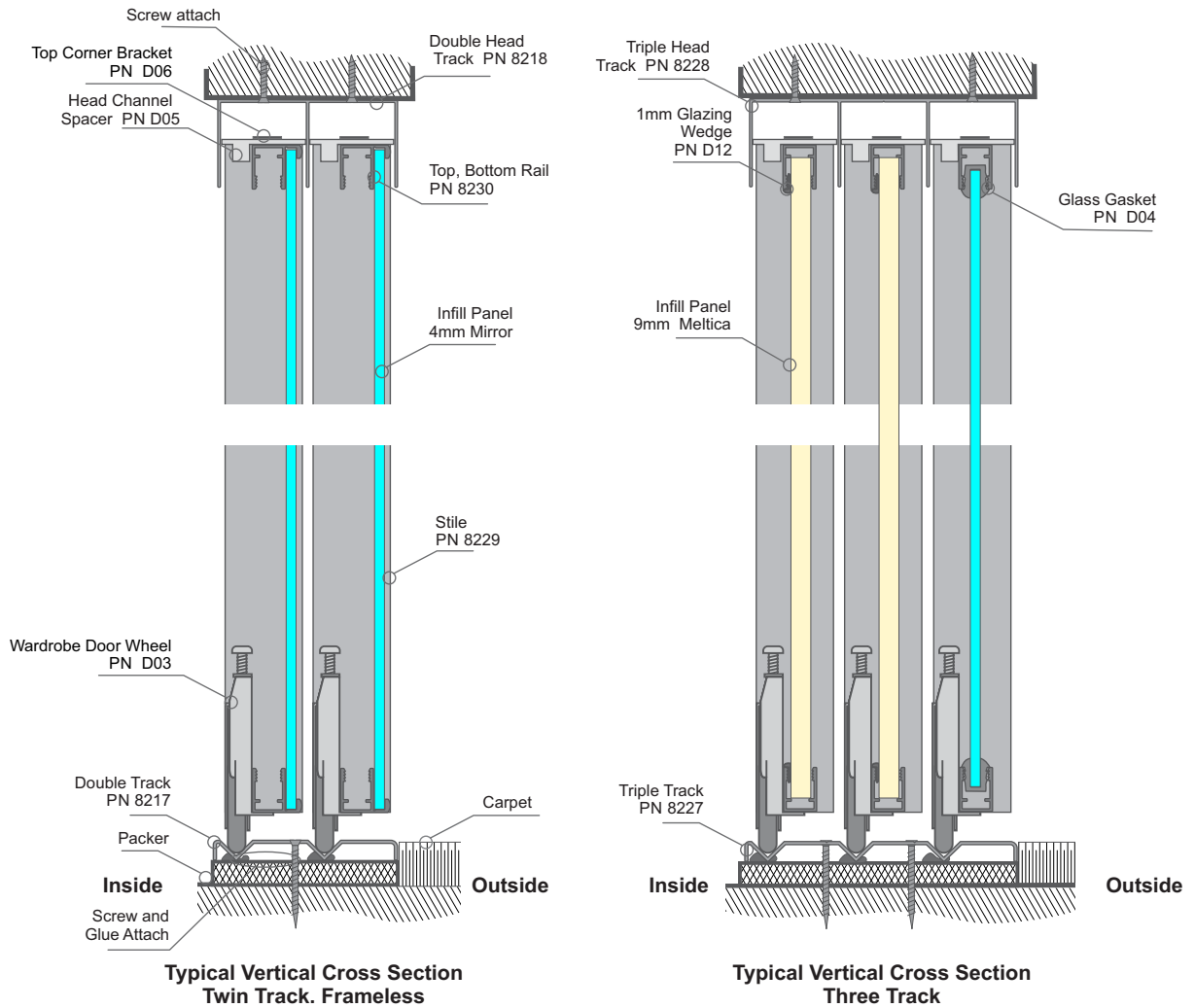
(LH & RH pair)

Double sided Tape
Part No X01

1mm thick

Wardrobe Door Wheel
Part No D03

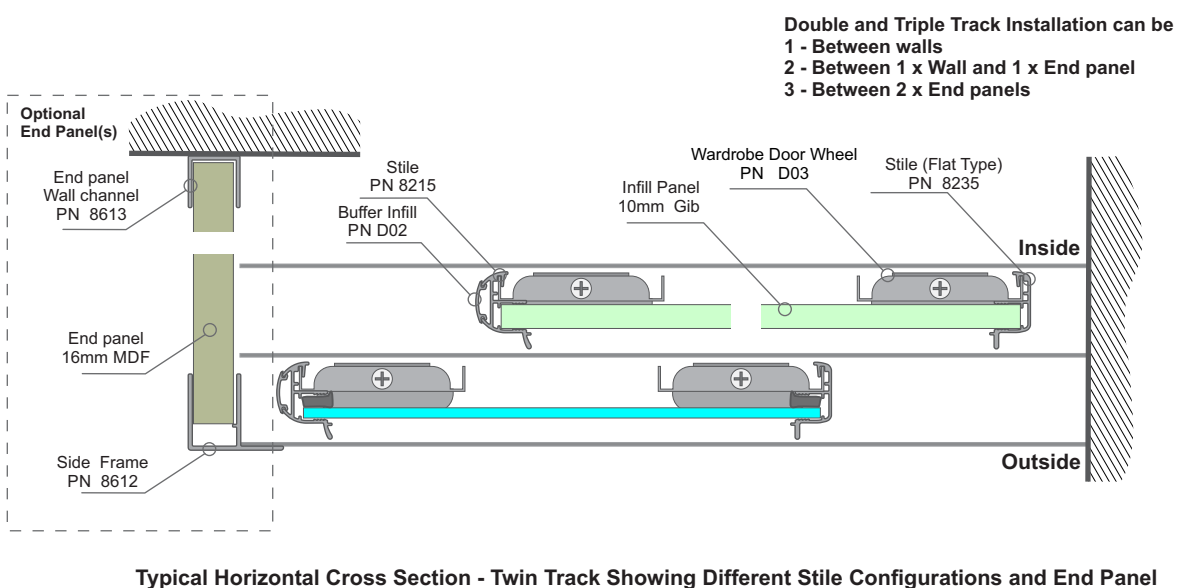# Juralco 800 Series Wardrobe Door System - Typical Sections and Features
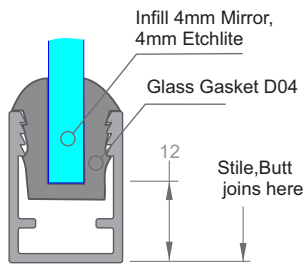
Typical Vertical Cross sections

Screw attach

Top Corner Bracket PN D06

Head Channel Spacer PN D05

Double Head Track PN 8218

Top, Bottom Rail PN 8230

Infill Panel 4mm Mirror

Stile PN 8229

Wardrobe Door Wheel PN D03

Double Track PN 8217

Packer

Carpet

Inside

Outside

Screw and Glue Attach

Typical Vertical Cross Section Twin Track. Frameless

Triple Head Track PN 8228

1mm Glazing Wedge PN D12

Glass Gasket PN D04

Infill Panel 9mm Meltica

Triple Track PN 8227

Inside

Outside

Typical Vertical Cross Section Three Track

Typical Horizontal Cross sections

Double and Triple Track Installation can be
1 - Between walls
2 - Between 1 x Wall and 1 x End panel
3 - Between 2 x End panels

Optional End Panel(s)

End panel Wall channel PN 8613

End panel 16mm MDF

Side Frame PN 8612

Stile PN 8215

Buffer Infill PN D02

Wardrobe Door Wheel PN D03

Infill Panel 10mm Gib

Stile (Flat Type) PN 8235

Inside

Outside

Typical Horizontal Cross Section - Twin Track Showing Different Stile Configurations and End Panel

Juralco 800 Series Wardrobe Door System - Cutting and Infill Allowances

Infill Height allowances

Infill 4mm Mirror, 4mm Etchlite
Glass Gasket D04
12
Stile,Butt joins here

TOP & BOTTOM RAIL
Part No 8216

Infill 9-10mm Gib MDF, Meltica
Glazing Wedge D12
7

TOP & BOTTOM RAIL
Part No 8216

Infill 4mm Mirror, 4mm Etchlite
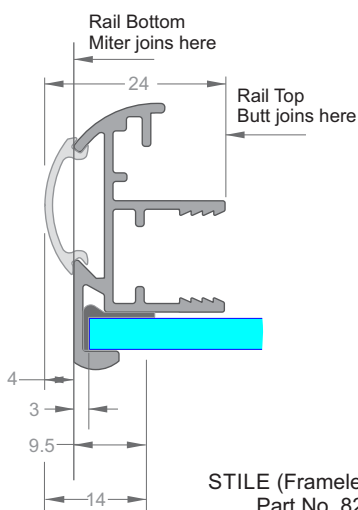Silicone V60 or Nailbond
3
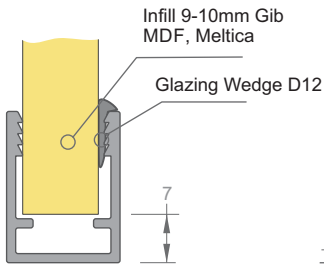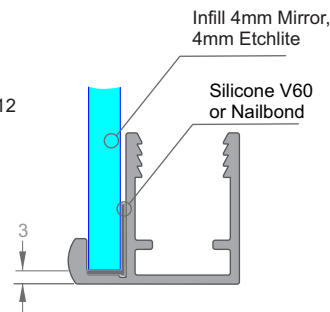
TOP & BOTTOM RAIL
(Frameless type)
Part No 8230

Rail cutting allowances
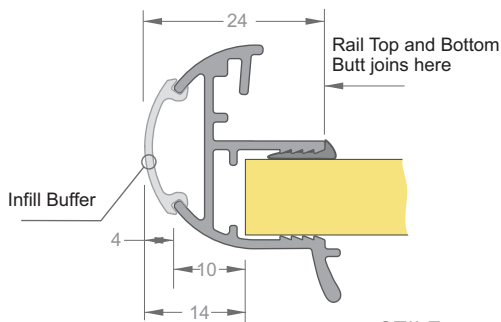
Rail Bottom Miter joins here
24
Rail Top Butt joins here
4
3
9.5
14

STILE (Frameless type)
Part No 8229

24
Rail Top and Bottom Butt joins here
Infill Buffer
4
10
14

STILE
Part No 8215

16
Rail Top and Bottom Butt joins here
6

STILE (Flat Type)
Part No 8235

12
16

STILE
Part No 8215

8
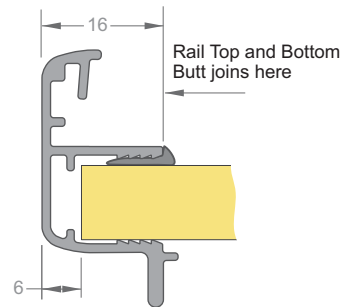
STILE (Flat Type)
Part No 8235

Stile and Infill Buffer Overlaps

11   11
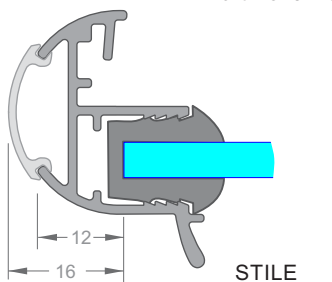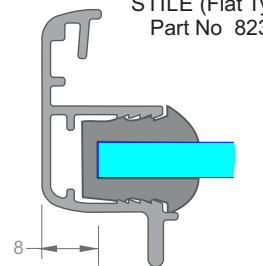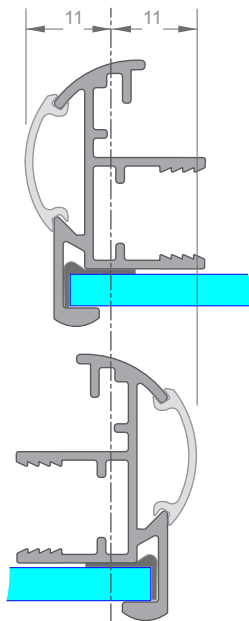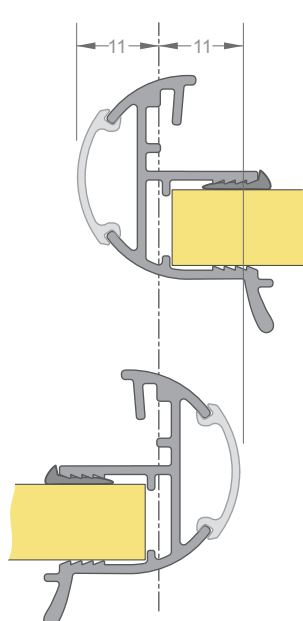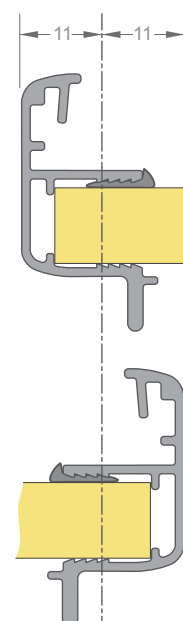
STILE (Frameless type)
Part No 8229

11   11

STILE
Part No 8215

11   11

STILE (Flat Type)
Part No 8235

20mm

OH
= Opening
Height

DH
= Door
Height

20mm

Inside **Outside**

Packer Height
= PH
(normally 9mm)

Vertical Cross Section
Double and Triple Track

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

Typical Horizontal Cross Section Double Track - <u>Under Jamb Mount</u>

Outside

DW = Door Width → (includes buffer)

OW = Opening Width

Inside

NOTES :
1 - Door Width <u>includes</u> 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

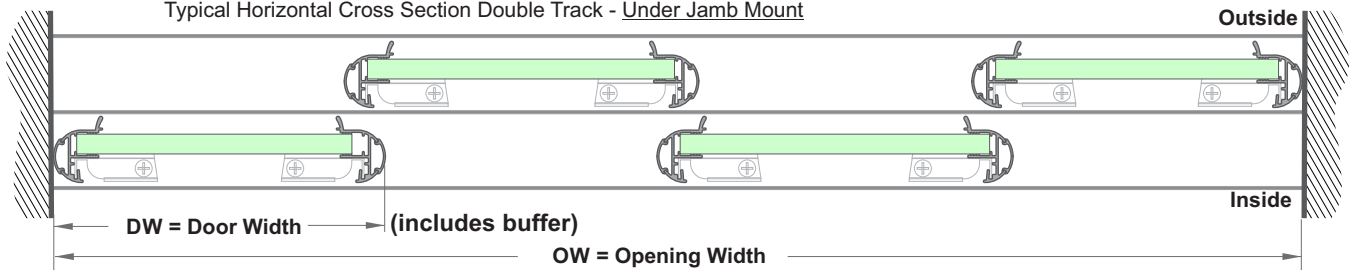|	WIDTHS	Part	Formula in mm	
1	Double Head Track	8218	**OW**	
2	Double Track	8217	**OW**	
3	**Single Door - Overall Width = DW**		**OW / 2 + 11 (= DW)**	
4	Door , Top and Bottom Rail for Stile **8215**	8216	**DW - 48**	Stile 8215
5	Infill, MDF, Meltica, Gib for Stile 8215 + Glazing Wedge	NA	**DW - 28**	
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**	Stile 8229
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**	Stile 8235
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 - <u>Under Jamb Mount</u>

Outside

DW = Door Width → (includes buffer)

OW = Opening Width

Inside

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**	Stile 8215
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**	Stile 8229
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**	Stile 8235
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

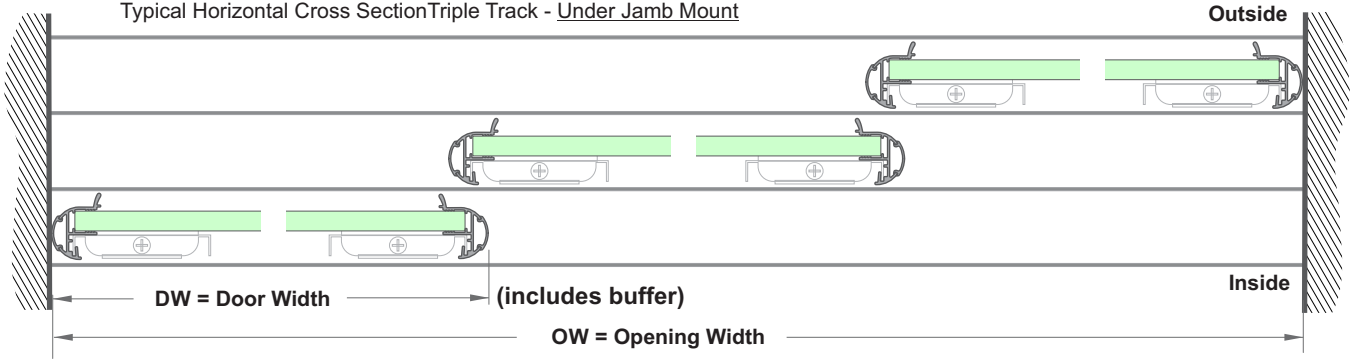Typical Horizontal Cross SectionTriple Track - <u>Under Jamb Mount</u>

Outside

Inside

DW = Door Width ← → (includes buffer)

OW = Opening Width

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**

Stile 8215

Stile 8229

Stile 8235

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

DT = Depth

Side Frame
PN 8612

End panel
16mm MDF

OH = Opening Height

End Panel
Wall channel
Top, Side
and Bottom
PN 8613
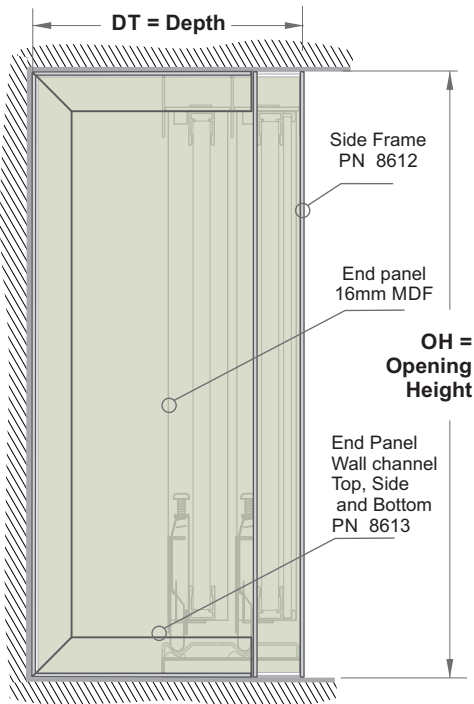
END PANELS, CUTTING FORMULA

	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
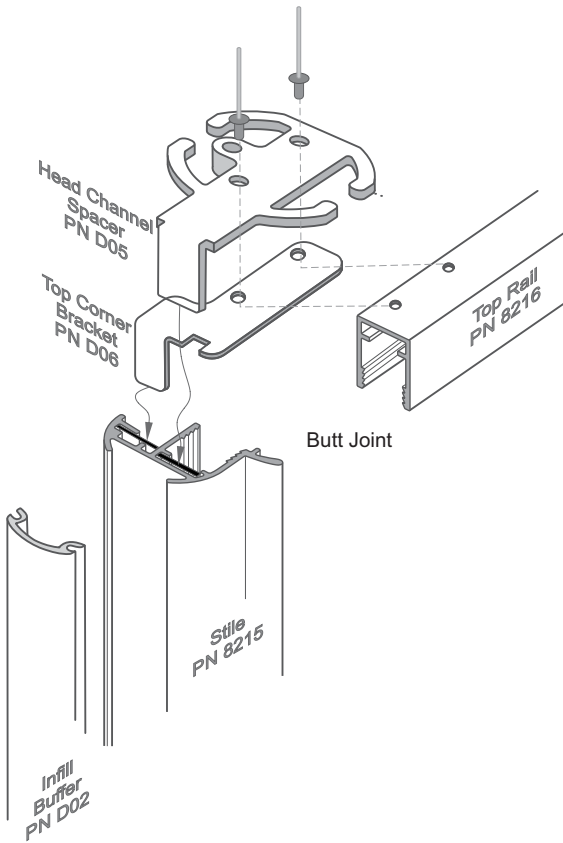
Head Channel Spacer
PN D05

Top Corner Bracket
PN D06

Top Rail
PN 8216

Butt Joint

Stile
PN 8215

Infill Buffer
PN D02

View from Frontside, Top Corner

Top Rail
PN 8216

Top Rail
PN 8216

Stile
PN 8215

Stile
PN 8235

Butt Joint

13

Rail
PN 8216

24

Holes
2 x 3.2dia

4

Drilling holes,
setout the same

Outside   **Inside**

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

Machining - Top Corner

Note : Once installed this
Top corner not visible

Infill Buffer
PN D02

Stile
PN 8215

Bottom Rail
PN 8216

Butt Joint

Wardrobe Door Wheel
PN D03

View from Backside, Bottom Corner

Bottom Rail
PN 8216

Bottom Rail
PN 8216

Stile
PN 8215

Stile
PN 8235

Butt Joint

11

Rail
PN 8216

24

Holes
2 x 3.2dia

4

Drilling holes,
setout the same

Outside   **Inside**
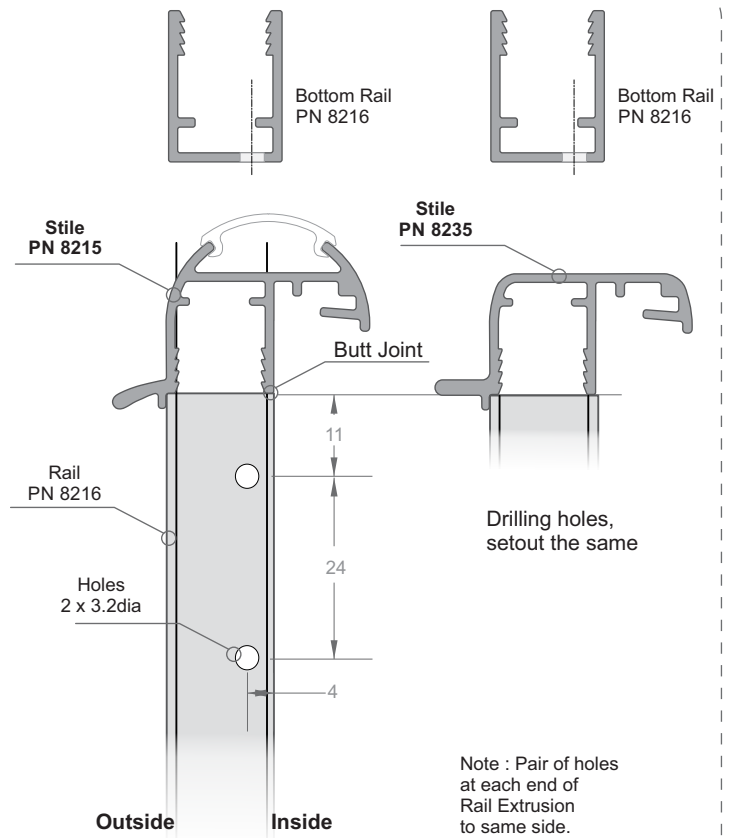
Note : Pair of holes
at each end of
Rail Extrusion
to same side.
Brackets LH, RH pair
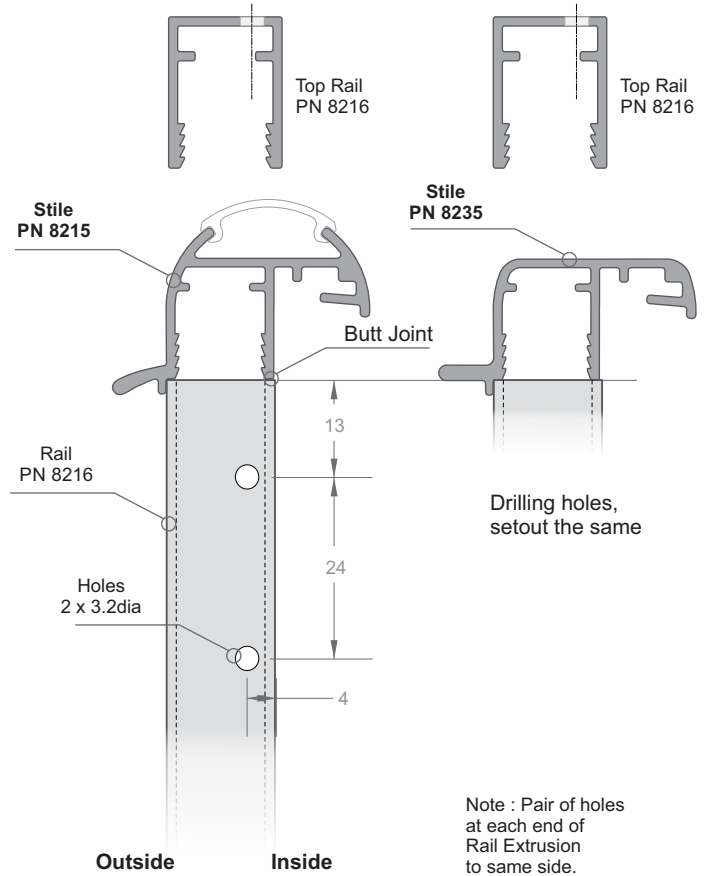
Machining - Bottom Corner

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

This page - Construction, assembly Details
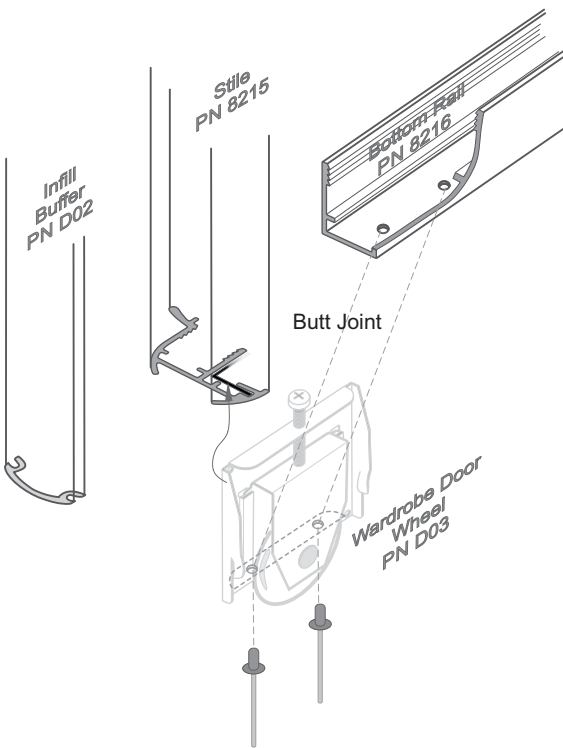For 8229 Framless Stile, and 8230 Rail
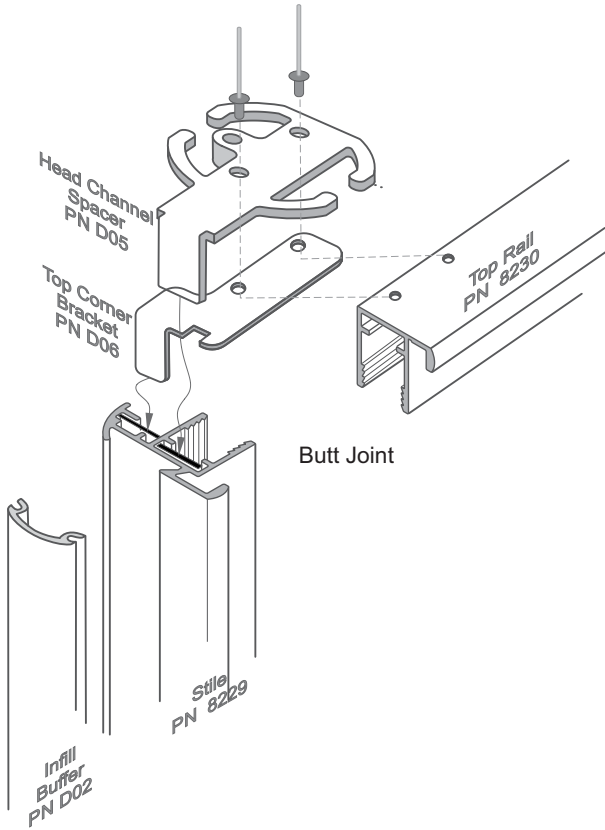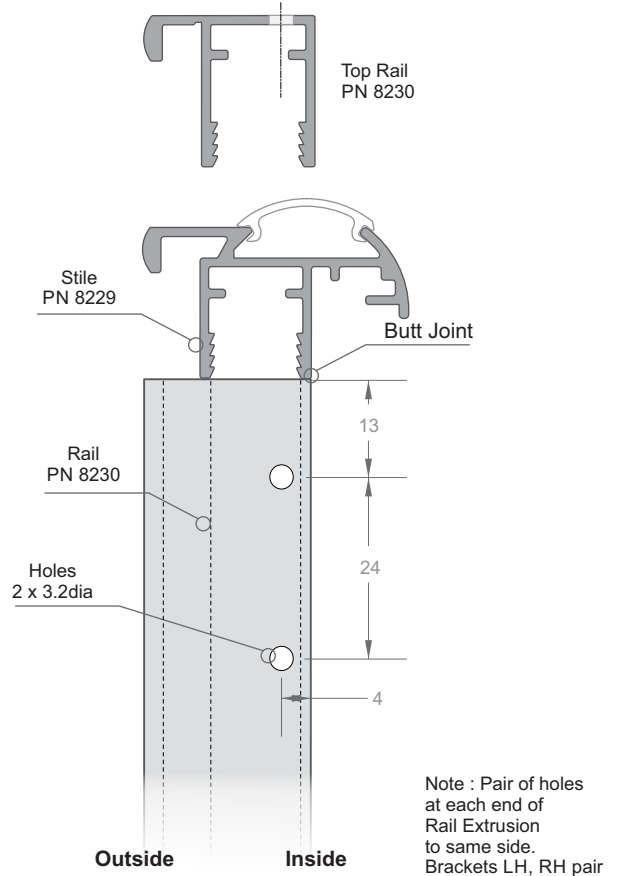
Head Channel
Spacer
PN D05

Top Corner
Bracket
PN D06

Top Rail
PN 8230

Butt Joint

Infill
Buffer
PN D02

Stile
PN 8229

View from Frontside, Top Corner

Top Rail
PN 8230

Stile
PN 8229

Butt Joint

Rail
PN 8230

13

24

Holes
2 x 3.2dia

4

Outside   **Inside**

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

Machining - Top Corner   Note : Once installed this
Top corner not visible

Infill
Buffer
PN D02

Stile
PN 8229

Bottom Rail
PN 8230

Miter Join

Wardrobe Door
Wheel
PN D03

View from Backside, Bottom Corner

Bottom Rail
PN 8230

Stile
PN 8229

Miter Joint

31

Rail
PN 8230

Holes
2 x 3.2dia

24

4

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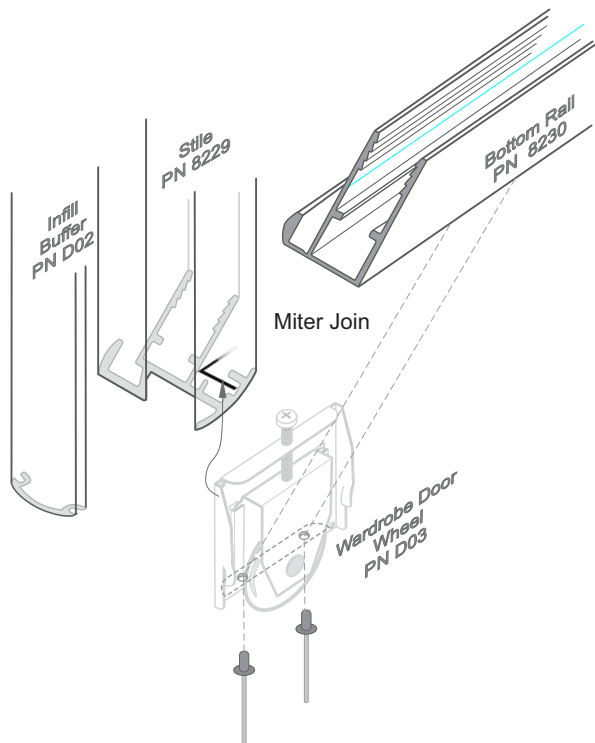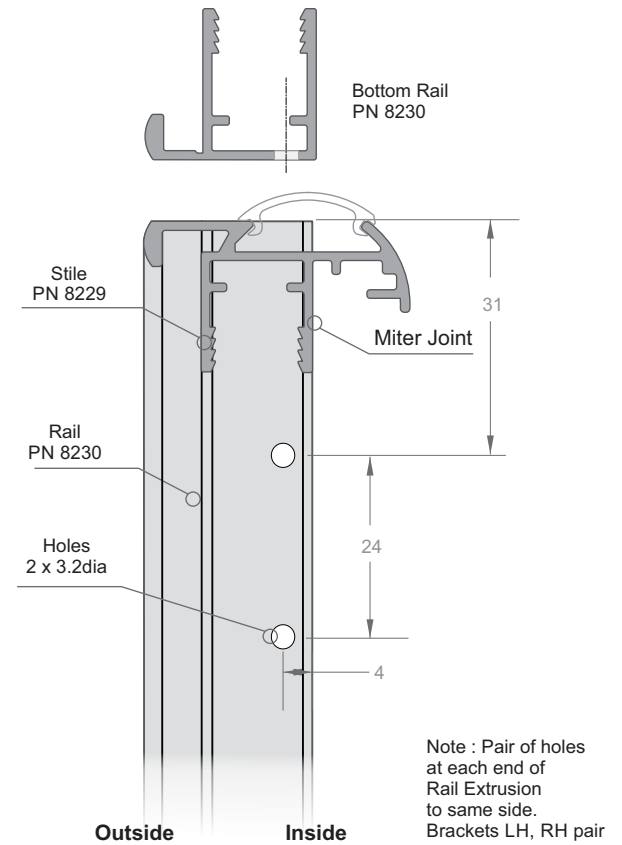
Note : Pair of holes
at each end of
Rail Extrusion
to same side.
Brackets LH, RH pair

Machining - Bottom Corner

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 style 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**.**