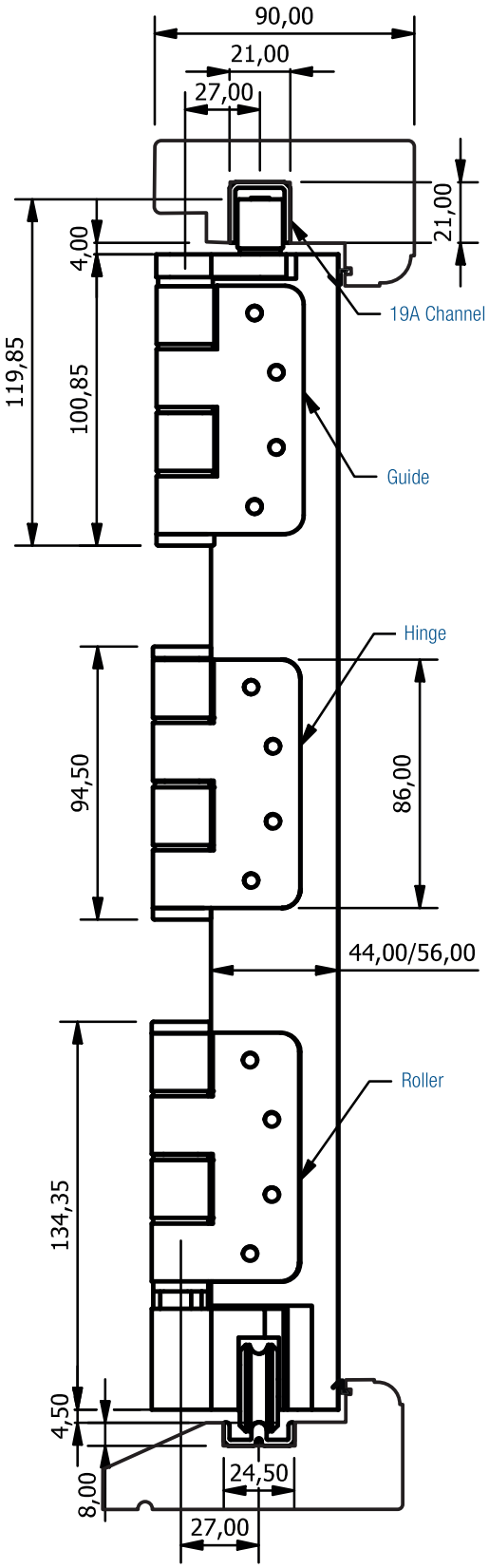
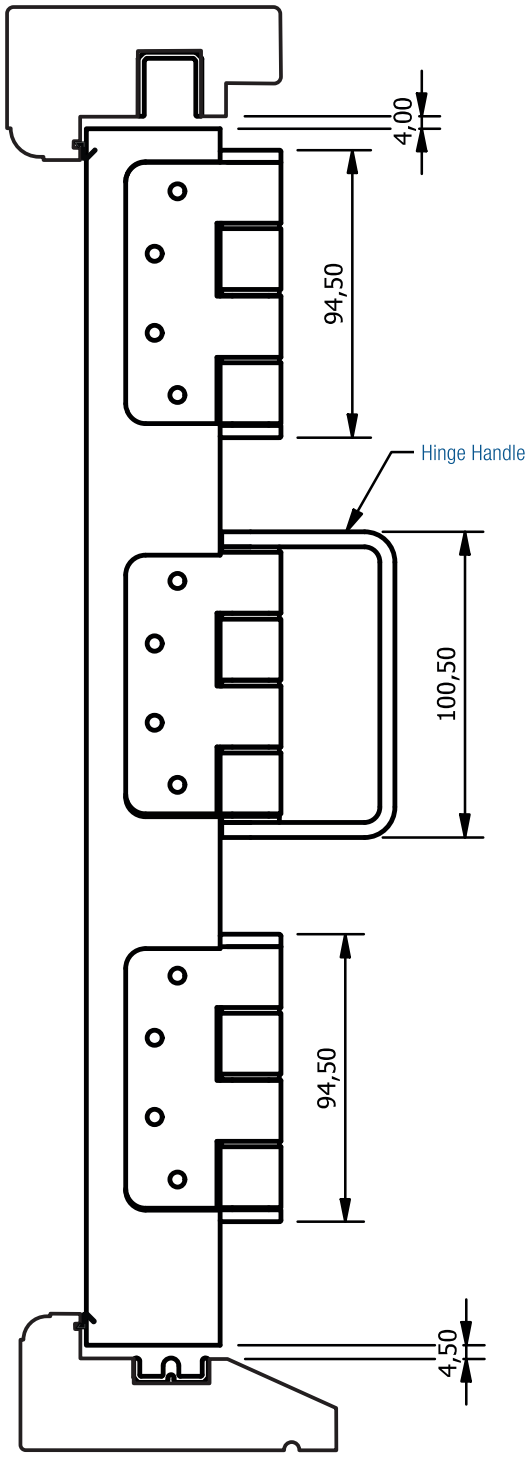
Cross Sections

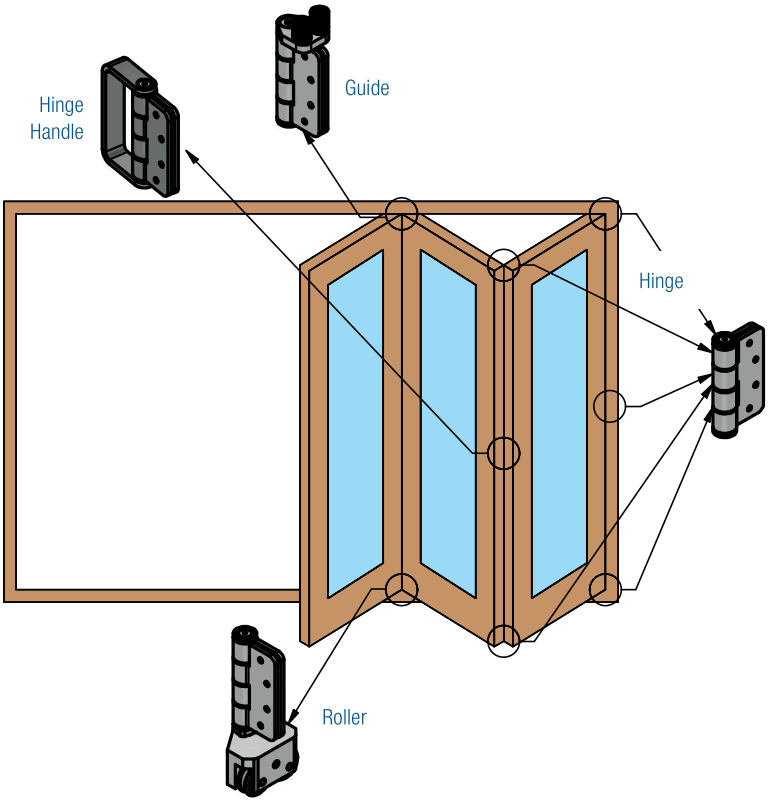


Section through Door at Roller and Guide

STANDAR FLUSH DOOR JAMB SECTION



Section through Door at Hinge



SPECIFICATIONS

Hardware for timber doors in a rebated frame

Max Leaf Mass:	90kg
Max Leaf Height:	2700mm
Max Leaf Width:	900mm

COMPONENTS

Top Guides
Bottom Rollers
Intermediate Hinges
Hinge Handles

FITTINGS

19LA Aluminium or 19LB Brass Top Guide Channel
815LB Brass Bottom Track
503GA Gold or 506B Brass Flush Handles
488x6 Anodised or Brass Flush Bolts

FINISHES

Chrome, Stainless Powder Coat, Brass Powder Coat

Calculations | Uneven Panel

WHERE

PW = Panel Width, OW = Opening Width,
P = No. of Panels, TF = Thickness of Frame

FOR AN OPENING USING RECESSED HINGES

A 4mm gap between panels is allowed for and a 7mm gap between the hinge leaf and the jamb to accommodate the lock.

OW = Opening Width, P = No. of Panels

$$\text{Panel Width (PW)} = \frac{OW - (2xTF) - (Px4) - 7}{P}$$

FOR AN OPENING USING SURFACE MOUNTED BUTT HINGES

A 8mm gap between panels is allowed for and a 7mm gap between the hinge leaf and the jamb to accommodate the lock.

OW = Opening Width, P = No. of Panels

$$\text{Panel Width (PW)} = \frac{OW - (2xTF) - (Px8) - 7}{P}$$

NOTE

All leaves equal widths

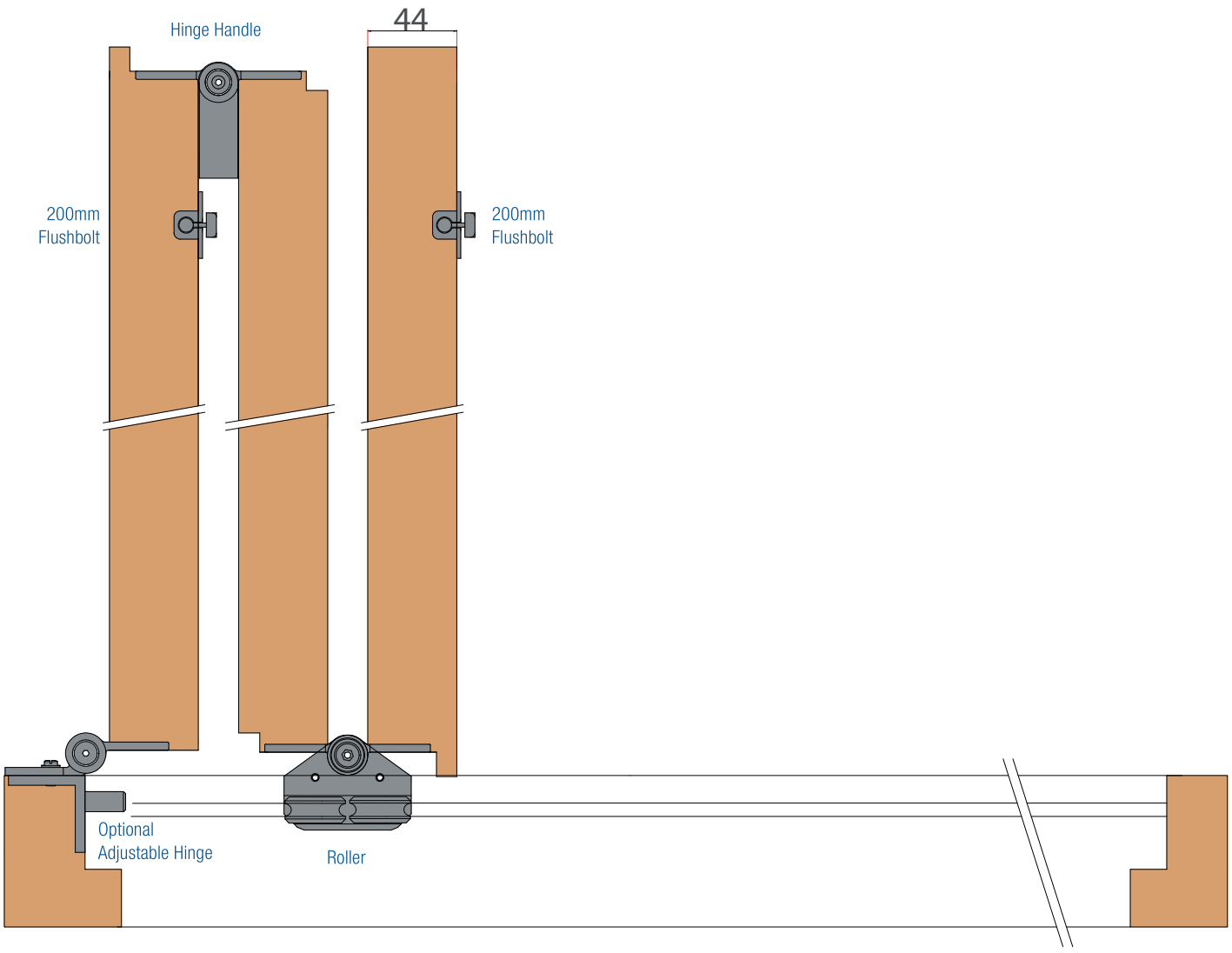
Cutout in Doors for Bottom Roller

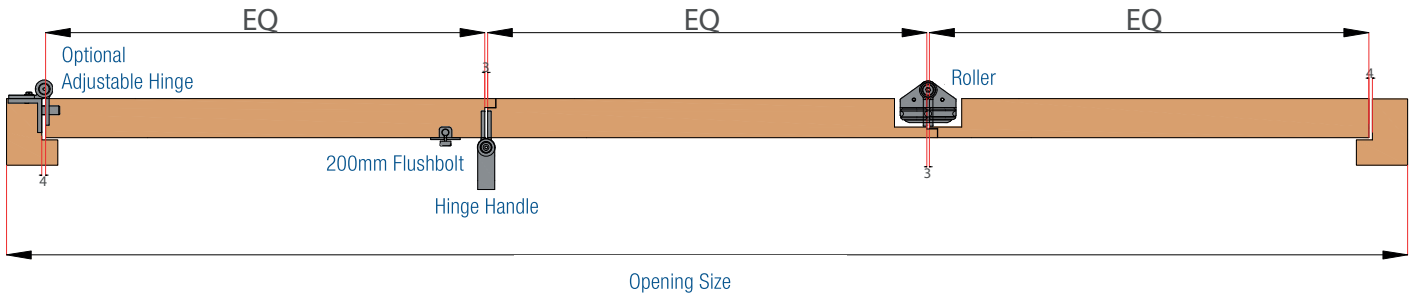
36mm high x 30mm from hinge in door edge, 36mm high x 35mm from hinge in door face

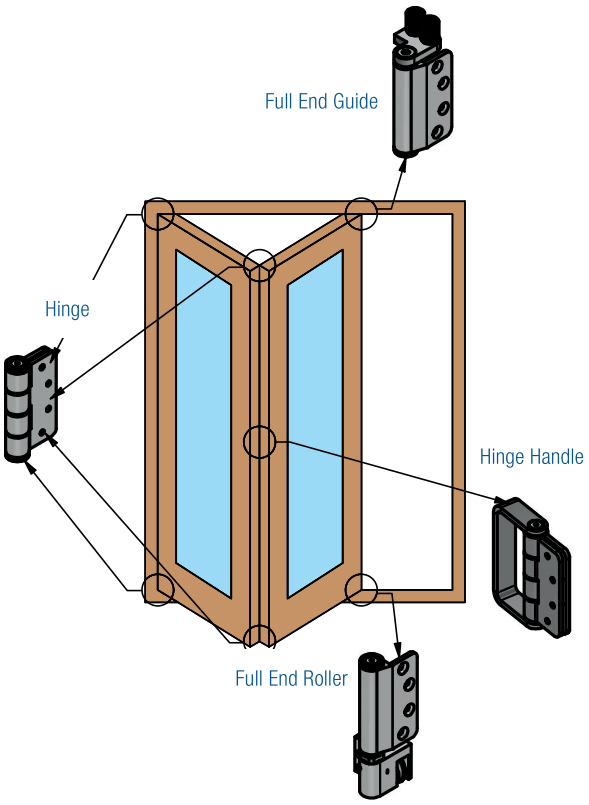
Cutout in Doors for Top Guide

8.5mm high x 16mm from hinge in door edge, 8.5mm high x 29.5mm from hinge in door face

Bottom Roller







SPECIFICATIONS

Hardware for timber doors in a rebated frame

Max Leaf Mass:	90kg
Max Leaf Height:	2700mm
Max Leaf Width:	900mm

COMPONENTS

Top End Guides
Bottom End Rollers
Intermediate Hinges
Hinge Handles

FITTINGS

19LA Aluminium or 19LB Brass Top Guide Channel
815LB Brass Bottom Track
503GA Gold or 506B Brass Flush Handles
488x6 Anodised or Brass Flush Bolts

FINISHES

Chrome, Stainless Powder Coat, Brass Powder Coat

Calculations | Even Panel

WHERE

PW = Panel Width, OW = Opening Width, P = No. of Panels, E = No. of End Panels, TF = Thickness of Frame

FOR AN OPENING USING NON-CRANKED HINGES WHERE THE END DOOR IS 12MM LONGER

$$\text{Panel Width (PW)} = \frac{OW - (2xTF) - (Px4) - 10 - (12xE)}{P}$$

Once you have PW for the non-cranked formula, simply add back 12mm to each end panel to determine its width.
e.g. For a 2-door with non-cranked hinges in an opening of 1750mm.

$$\text{Panel Width (PW)} = \frac{1750 - (2x30) - (4x2) - 10 - (12x1)}{2} \qquad \frac{= 1660}{2} \qquad \frac{= 830}{2}$$

The door hinged to the jamb is then 830 long and the door with the end roller 830+12 = 842mm.

NOTE

All leaves equal widths

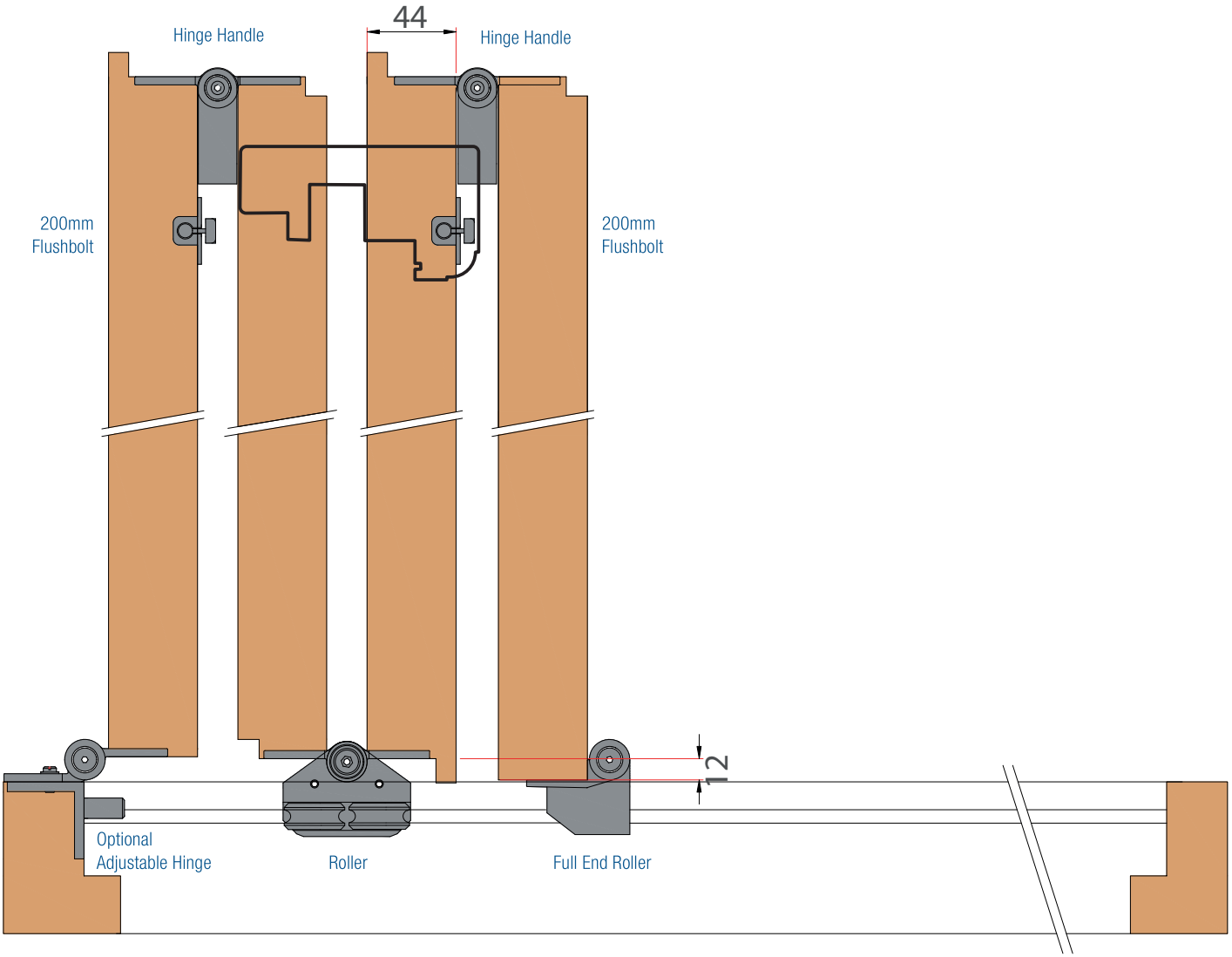
Cutout in Doors for Bottom Roller

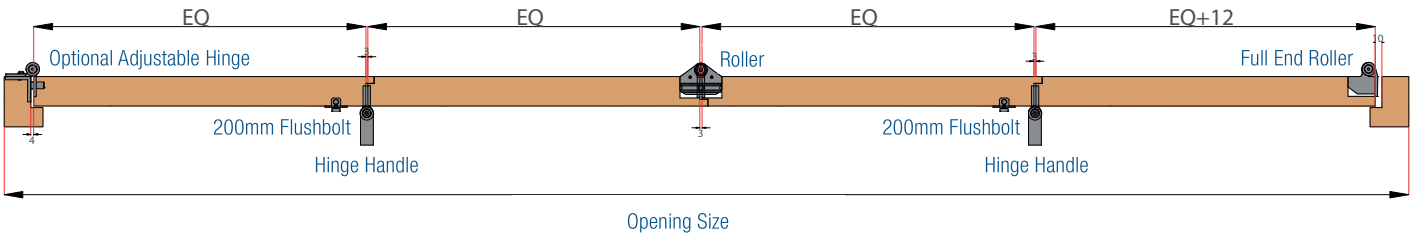
36mm high x 42mm from hinge in door edge, 36mm high x 32mm from hinge in door face

Cutout in Doors for Top Guide

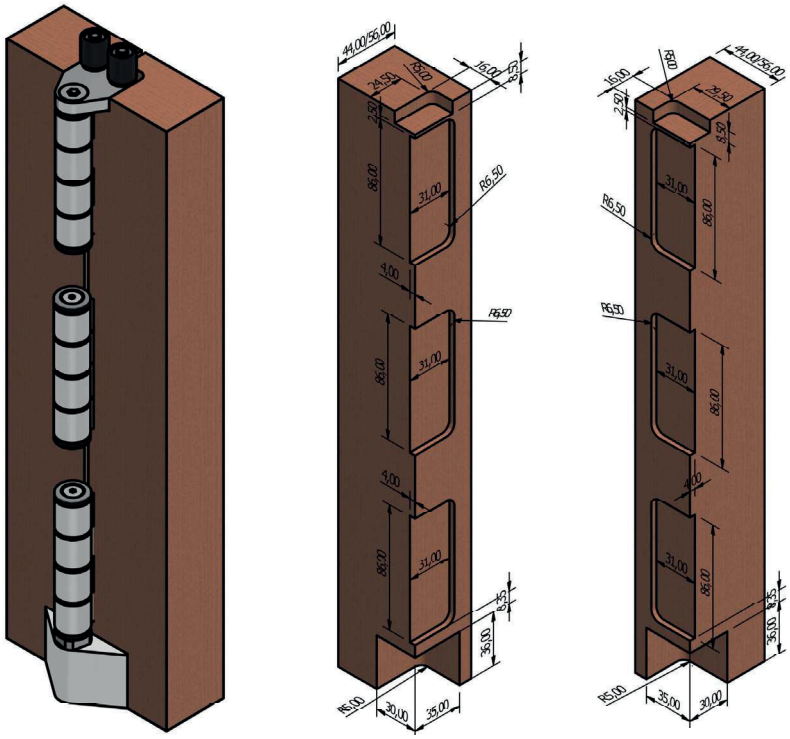
8.5mm high x 35.5mm from hinge in door edge, 8.5mm high x 31mm from hinge in door face

Bottom Roller

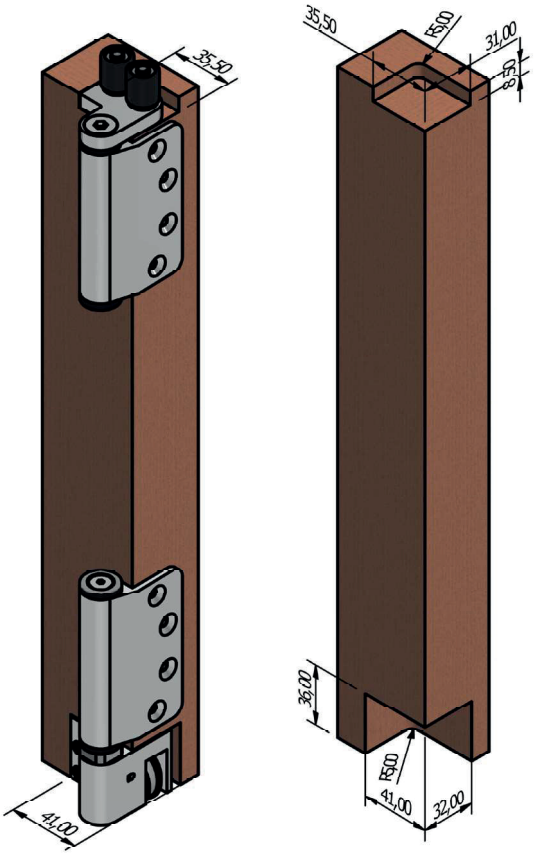




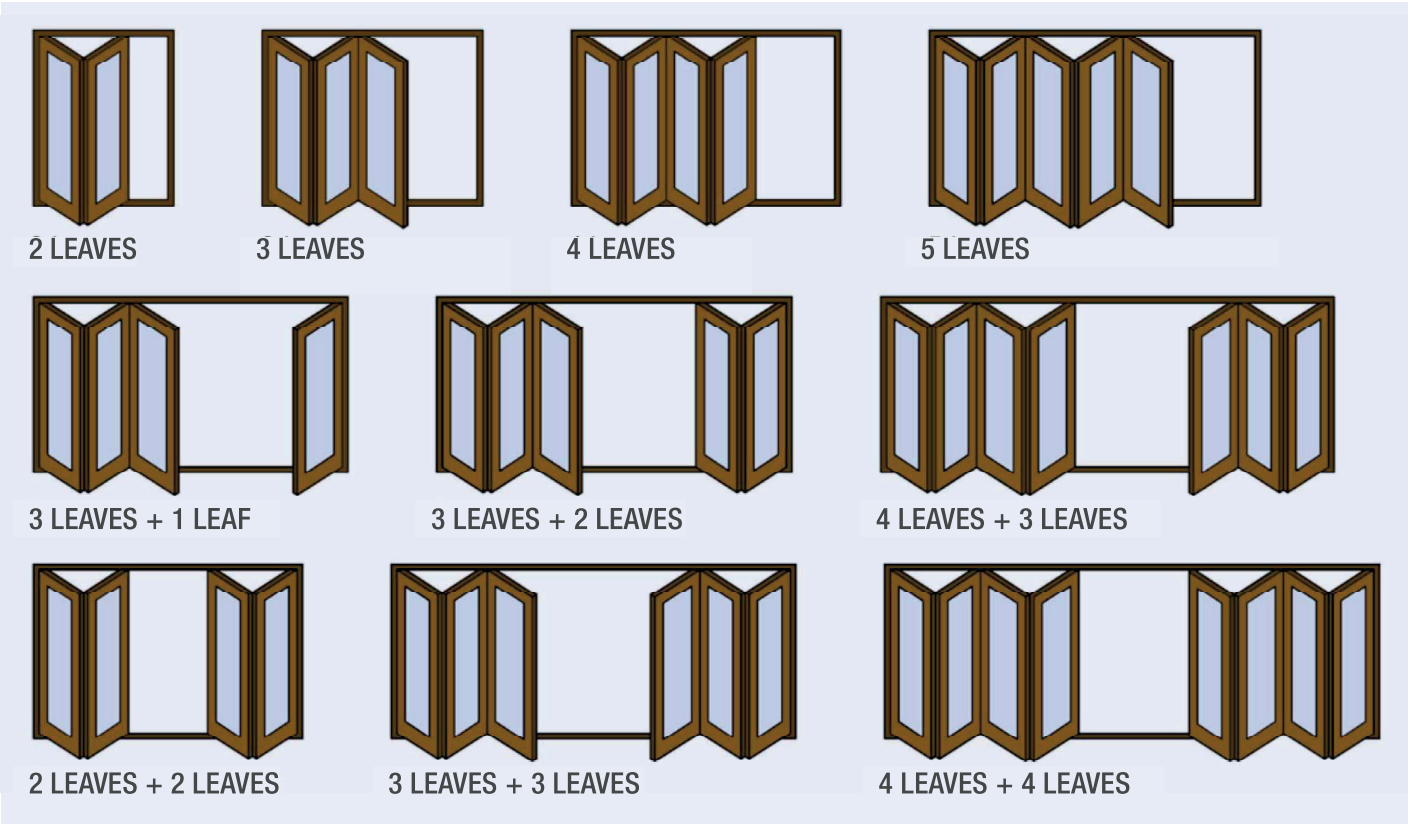
Intermediate Cutouts for uneven Number of Doors



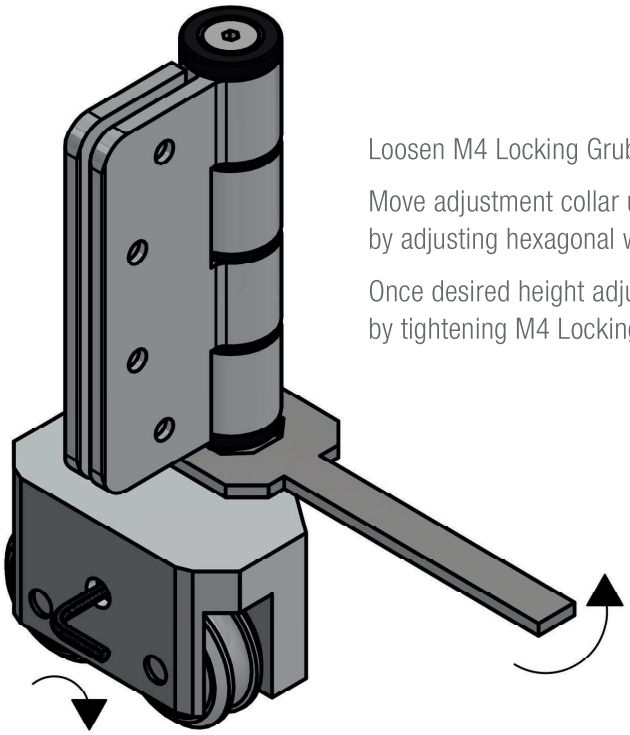
End Cutouts for even Number of Doors



Typical Layouts



Adjustment



Loosen M4 Locking Grub Screw using 2mm Allen Key.

Move adjustment collar up and down to desired height by adjusting hexagonal with M17 Spanner.

Once desired height adjustment had been achieved, lock in place by tightening M4 Locking Grub Screw with 2mm Allen Key.