
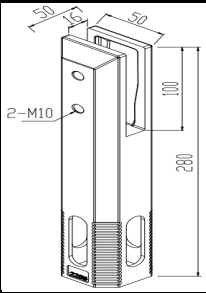

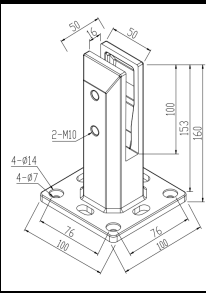

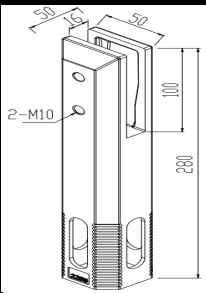

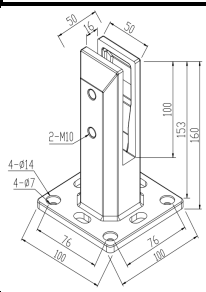

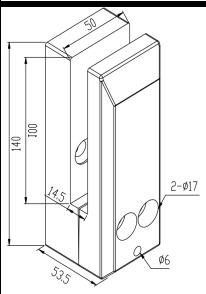

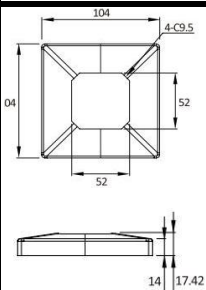
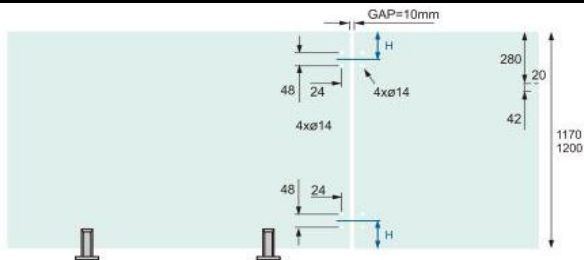


| Photo   | Specs   | Code      | Product Description  | Surface Treatment |
|---|---|-----------|--|-------------------|
|    |    | FS-SCM    | Duplex 2205 Stainless Steel Heavy Duty Friction Fit <b>Square Core Drill Spigot</b> , Suitable for 12mm Glass (Cover plate included)                       | Mirror            |
|   |   | FS-SCS    |  | Satin             |
|   |   | FS-SCB    |  | Matt Black        |
|    |    | FS/A-SDM  | Duplex 2205 Stainless Steel Heavy Duty Friction Fit <b>Adjustable Square Base Plated Spigot</b> , Suitable for 12mm Glass (Cover plate included)           | Mirror            |
|   |   | FS/A-SDS  |  | Satin             |
|   |   | FS/A-SDB  |  | Matt Black        |
|   |   | FS/NC-SCW | Duplex 2205 Stainless Steel Heavy Duty Friction Fit <b>Insulated Square Core Drill Spigot</b> , Suitable for 12mm Glass (Cover plate included)             | White             |
|   |   | FS/NC-SCS |  | Satin             |
|   |   | FS/NC-SCB |  | Matt Black        |
|  |  | FS/NC-SDW | Duplex 2205 Stainless Steel Heavy Duty Friction Fit <b>Adjustable Insulated Square Base Plated Spigot</b> , Suitable for 12mm Glass (Cover plate included) | White             |
|   |   | FS/NC-SDS |  | Satin             |
|   |   | FS/NC-SDB |  | Matt Black        |
|  |  | FS-SM     | Duplex 2205 Stainless Steel <b>Adjustable Face Fit Spigot On to Concrete or Timber</b> , Suitable for 12mm, 13.52 and 15mm Glass                           | Mirror            |
|   |   | FS-SS     |  | Satin             |
|   |   | FS-SB     |  | Matt Black        |
|  |  | SC-SDM    | 316 Stainless Steel <b>Splitable Covers</b>  | Mirror            |
|   |   | SC-SDS    |  | Satin             |
|   |   | SC-SDB    |  | Matt Black        |

| Photo | Specs | Code    | Product Description   | Surface Treatment |
|-------|-------|---------|---|-------------------|
|       |       | C-SSM   | 2205 Stainless Steel <b>Glass to Flat Surface</b> Friction Clamp, suits 8-12mm glass, No hole required on glass | Mirror            |
|       |       | C-SSS   |   | Satin             |
|       |       | C-SSB   |   | Matt Black        |
|       |       | C-SSW   |   | White             |
|       |       | C-90FM  | 316 Stainless Steel <b>90°Glass to Glass</b> Friction Clamp, suits 12mm glass, No hole required on glass        | Mirror            |
|       |       | C-90FS  |   | Satin             |
|       |       | C-90FB  |   | Matt Black        |
|       |       | C-90FW  |   | White             |
|       |       | C-WM    | 316 Stainless Steel <b>Glass to Wall</b> Friction Clamp with Leg, suits 12mm glass, No hole required on glass   | Mirror            |
|       |       | C-WS    |   | Satin             |
|       |       | C-WB    |   | Matt Black        |
|       |       | C-WW    |   | White             |
|       |       | C-S180M | 316 Stainless Steel <b>180°Glass to Glass</b> Friction Clamp, suits 12mm glass, No hole required on glass       | Mirror            |
|       |       | C-S180S |   | Satin             |
|       |       | C-S180B |   | Matt Black        |
|       |       | C-S180W |   | White             |
|       |       |         |   |                   |

| Photo | Specs | Code     | Product Description   | Surface Treatment |
|-------|-------|----------|---|-------------------|
|       |       | PGL-180M | Duplex 2205 Stainless Steel Libra<br><b>180° Glass To Glass</b> Latch with<br>Plastic Cap 20*42   | Mirror            |
|       |       | PGL-180S |   | Satin             |
|       |       | PGL-180B |   | Matt Black        |
|       |       | PGL-180W |   | White             |
|       |       | PGL-90IM | Duplex 2205 Stainless Steel Libra<br><b>In-90° Glass To Glass</b> Latch<br>with Plastic Cap 20*42 | Mirror            |
|       |       | PGL-90IS |   | Satin             |
|       |       | PGL-90IB |   | Matt Black        |
|       |       | PGL-90IW |   | White             |
|       |       | PGL-90EM | Duplex 2205 Stainless Steel Libra<br><b>Ex-90° Glass To Glass</b> Latch<br>with Plastic Cap 20*42 | Mirror            |
|       |       | PGL-90ES |   | Satin             |
|       |       | PGL-90EB |   | Matt Black        |
|       |       | PGL-90EW |   | White             |
|       |       | PGL-SM   | Duplex 2205 Stainless Steel Libra<br><b>Glass To Wall</b> Latch with<br>Plastic Cap 20*42         | Mirror            |
|       |       | PGL-SS   |   | Satin             |
|       |       | PGL-SB   |   | Matt Black        |
|       |       | PGL-SW   |   | White             |
|       |       |          |   |                   |

| Photo | Specs | Code     | Product Description   | Surface Treatment |
|-------|-------|----------|---|-------------------|
|       |       | PGH-OGGM | Duplex 2205 Stainless Steel Orion<br><b>Soft Close Glass To Glass Hinge,</b><br>Suitable for 8mm, 10mm and<br>12mm Glass Gate | Mirror            |
|       |       | PGH-OGGS |   | Satin             |
|       |       | PGH-OGGB |   | Matt Black        |
|       |       | PGH-OGGW |   | White             |
|       |       | PGH-OGWM | Duplex 2205 Stainless Steel Orion<br><b>Soft Close Glass To Wall Hinge,</b><br>Suitable for 8mm, 10mm and<br>12mm Glass Gate  | Mirror            |
|       |       | PGH-OGWS |   | Satin             |
|       |       | PGH-OGWB |   | Matt Black        |
|       |       | PGH-OGWW |   | White             |



For optimal gate performance, the distance between the two hinges should be as far apart as possible. The traditional distance(H) from hinge center to glass edge (top and bottom) is 200mm, we recommend to make it 90-100mm which ensures the distance between top and bottom hinges is greater than 900mm to eliminate the need for safety cap while the hinges provide a better grip and even distribution of force to the gate, ensuring better closing action and longevity of hinges.



Normally there is a tolerance when drill holes in the glass so we designed oval studs working with special washers and arched packers to correct the off center hole position to make the top and bottom hinges to be perpendicularly aligned and working co-axially.



Cutout Adaptor Insert

Orion Hinge also can be fixed through cut-outs. We designed a removable and adjustable adaptor insert which can be adjusted vertically and horizontally by a wrench to fit into cutouts. This adaptor insert also works as a locator to prevent gate from sagging.



If fine-tune adjustment in closing time is required, adjust the damper stroke through the damper adjustment mechanism. Screw downwards to reduce the damper engagement angle to speed up closing time and un-screw to extend the damper engagement angle to slow down closing time



Allen Key

As for the adjustment of self-closing tension (closing speed), we have come up with a different approach to overcome all the hassles associated with adjusting conventional gate hinges – Orion Hinge offers a quick and easy tension adjustment with just an Allen Key.



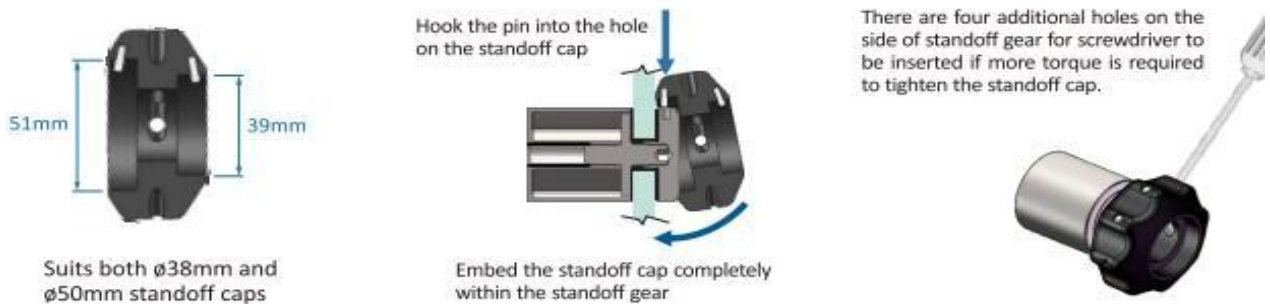
Safety Cap



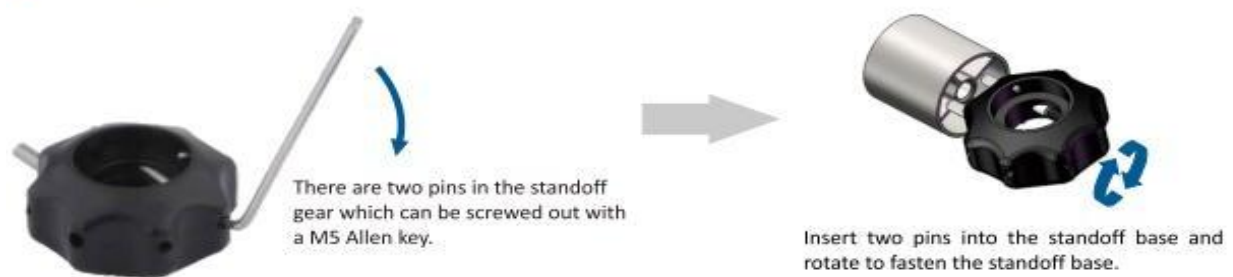
Pursuant to Australian safety standard, if the distance between top and bottom hinges is less than 900mm, a safety cap has to be installed to prevent children from climbing. Orion Hinge is equipped with a quick and convenient safety cap which can be installed when needed.

| Photo   | Specs | Code       | Product Description                               | Surface Treatment  |
|---|-------|------------|---|--|
|    |       | SOF-5030AM | Centaurus Adjustable Standoffs <b>50mm * 30mm</b> | Mirror   |
|   |       | SOF-5030AS |   | Satin  |
|   |       | SOF-5030AB |   | Matt Black   |
|    |       | SOF-R90    | M12, <b>90mm</b> long Flat Head Screw             |  |
|   |       | SOF-R120   | M12, <b>120mm</b> long Flat Head Screw            |  |
|    |       | SOF-T60    | M12, <b>60mm</b> Lag Screw Timber Screw           |  |
|   |       | SOF-T90    | M12, <b>90mm</b> Lag Screw Timber Screw           |  |
|   |       | SOF-T120   | M12, <b>120mm</b> Lag Screw Timber Screw          |  |
|  |       | SOF-SP     | Standoff <b>Spanner</b> for 38mm and 50mm caps    |  |

Choose the side of standoff gear with matching diameter to the standoff cap, hook the pin into the hole on standoff cap and ensure the standoff cap is level and embedded completely within the standoff gear, then rotate to tighten the standoff cap.

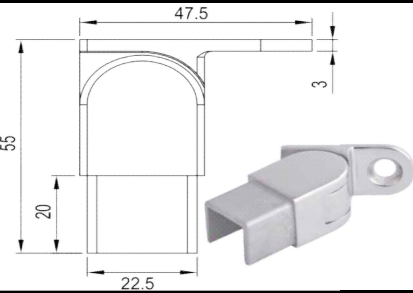
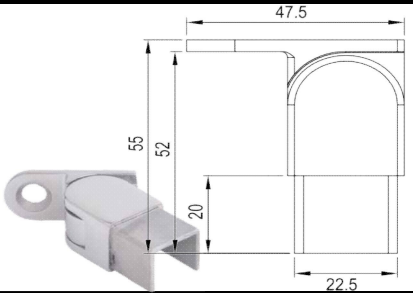
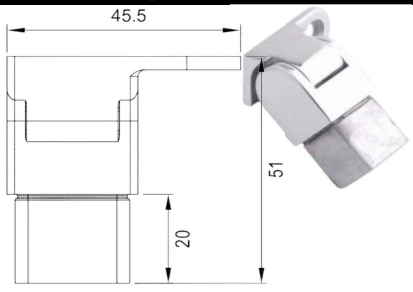
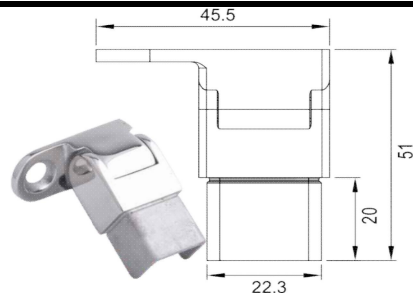


## Fasten Standoff Base

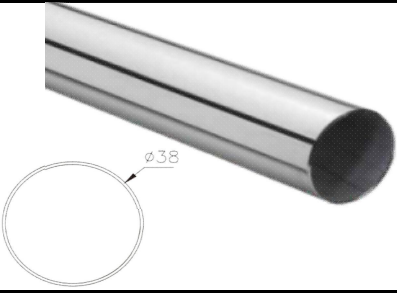
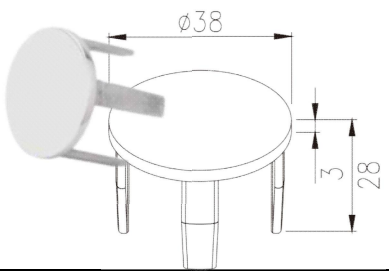
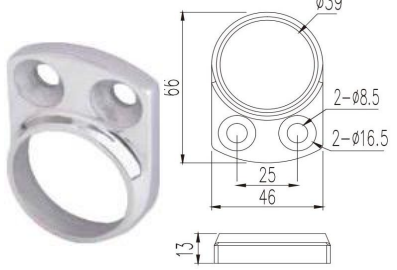
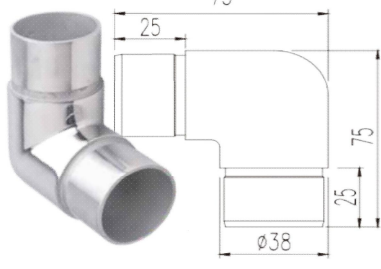
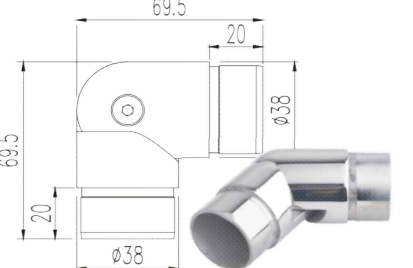


| Photo | Specs | Code     | Product Description  | Surface Treatment |
|-------|-------|----------|--|-------------------|
|       |       | TR-S25M  | 316 Stainless Steel <b>Square Slotted Top Rail</b> 25mm*21mm*5800mm          | Mirror            |
|       |       | TR-S25S  |  | Satin             |
|       |       | TR-S25B  |  | Matt Black        |
|       |       | TR-SEM   | 316 Stainless Steel <b>End Cap</b> for Square Top rail                       | Mirror            |
|       |       | TR-SES   |  | Satin             |
|       |       | TR-SEB   |  | Matt Black        |
|       |       | TR-S90M  | 316 Stainless Steel <b>90°Corner Joiner</b> for Square Top rail              | Mirror            |
|       |       | TR-S90S  |  | Satin             |
|       |       | TR-S90B  |  | Matt Black        |
|       |       | TR-S180M | 316 Stainless Steel <b>180°Inline Joiner</b> for Square Top rail             | Mirror            |
|       |       | TR-S180S |  | Satin             |
|       |       | TR-S180B |  | Matt Black        |
|       |       | TR-SWM   | 316 Stainless Steel <b>Wall Mount Bracket L/R</b> for Square Top rail        | Mirror            |
|       |       | TR-SWS   |  | Satin             |
|       |       | TR-SWB   |  | Matt Black        |
|       |       | TR-SWAM  | 316 Stainless Steel <b>Adjustable Wall Mount Bracket</b> for Square Top rail | Mirror            |
|       |       | TR-SWAS  |  | Satin             |
|       |       | TR-SWAB  |  | Matt Black        |

| Photo | Specs | Code      | Product Description   | Surface Treatment |
|-------|-------|-----------|---|-------------------|
|       |       | TR-SUDM   | 316 Stainless Steel <b>Vertical Adjustable</b> Joiner for Square Top rail   | Mirror            |
|       |       | TR-SUDS   |   | Satin             |
|       |       | TR-SUDB   |   | Matt Black        |
|       |       | TR-SLRM   | 316 Stainless Steel <b>Horizontal Adjustable</b> Joiner for Square Top rail | Mirror            |
|       |       | TR-SLRS   |   | Satin             |
|       |       | TR-SLRB   |   | Matt Black        |
|       |       | TR-AVVL-M | 316 Stainless Steel <b>Vertical Adjustable</b> Joiner <b>Left-swing</b>     | Mirror            |
|       |       | TR-AVVL-S |   | Satin             |
|       |       | TR-AVVL-B |   | Matt Black        |
|       |       | TR-AVVR-M | 316 Stainless Steel <b>Vertical Adjustable</b> Joiner <b>Right-swing</b>    | Mirror            |
|       |       | TR-AVVR-S |   | Satin             |
|       |       | TR-AVVR-B |   | Matt Black        |
|       |       | TR-AHVL-M | 316 Stainless Steel <b>Horizontal Adjustable</b> Joiner <b>Left-swing</b>   | Mirror            |
|       |       | TR-AHVL-S |   | Satin             |
|       |       | TR-AHVL-B |   | Matt Black        |
|       |       | TR-AHVR-M | 316 Stainless Steel <b>Horizontal Adjustable</b> Joiner <b>Right-swing</b>  | Mirror            |
|       |       | TR-AHVR-S |   | Satin             |
|       |       | TR-AHVR-B |   | Matt Black        |

| Photo   | Specs     | Code   | Product Description | Surface Treatment |
|---|-----------|--|---------------------|-------------------|
|    | TR-AWHR-M | 316 Stainless Steel <b>Horizontal Adjustable</b> Wall Bracket With <b>Right Hole</b> | Mirror              |                   |
|   | TR-AWHR-S |  | Satin               |                   |
|   | TR-AWHR-B |  | Matt Black          |                   |
|    | TR-AWHL-M | 316 Stainless Steel <b>Horizontal Adjustable</b> Wall Bracket With <b>Left Hole</b>  | Mirror              |                   |
|   | TR-AWHL-S |  | Satin               |                   |
|   | TR-AWHL-B |  | Matt Black          |                   |
|   | TR-AWVR-M | 316 Stainless Steel <b>Vertical Adjustable</b> Wall Bracket With <b>Right Hole</b>   | Mirror              |                   |
|   | TR-AWVR-S |  | Satin               |                   |
|   | TR-AWVR-B |  | Matt Black          |                   |
|  | TR-AWVL-M | 316 Stainless Steel <b>Vertical Adjustable</b> Wall Bracket With <b>Left Hole</b>    | Mirror              |                   |
|   | TR-AWVL-S |  | Satin               |                   |
|   | TR-AWVL-B |  | Matt Black          |                   |



| Photo   | Specs | Code    | Product Description  | Surface Treatment |
|---|-------|---------|--|-------------------|
|    |       | HR-R38M | 316 Stainless Steel <b>38mm Diameter Round Handrail</b><br>5800mm Length | Mirror            |
|   |       | HR-R38S |  | Satin             |
|   |       | HR-R38B |  | Matt Black        |
|    |       | HR-REM  | 316 Stainless Steel <b>End Cap</b> for<br>38mm Round Hand Rail           | Mirror            |
|   |       | HR-RES  |  | Satin             |
|   |       | HR-REB  |  | Matt Black        |
|   |       | HR-RWM  | 316 Stainless Steel <b>Wall Bracket</b><br>for 38mm Round Hand Rail      | Mirror            |
|   |       | HR-RWS  |  | Satin             |
|   |       | HR-RWB  |  | Matt Black        |
|  |       | HR-R90M | 316 Stainless Steel <b>90° Corner Joiner</b> for 38mm Round Hand Rail    | Mirror            |
|   |       | HR-R90S |  | Satin             |
|   |       | HR-R90B |  | Matt Black        |
|  |       | HR-RAM  | 316 Stainless Steel <b>Adjustable Joiner</b> for 38mm Round Hand Rail    | Mirror            |
|   |       | HR-RAS  |  | Satin             |
|   |       | HR-RAB  |  | Matt Black        |

| Photo | Specs | Code    | Product Description  | Surface Treatment |
|-------|-------|---------|--|-------------------|
|       |       | HB-W1M  | 316 Stainless Steel Handrail Bracket <b>To Wall</b>                          | Mirror            |
|       |       | HB-W1S  |  | Satin             |
|       |       | HB-W1B  |  | Matt Black        |
|       |       | HB-G38M | 316 Stainless Steel Handrail Bracket <b>To Glass</b>                         | Mirror            |
|       |       | HB-G38S |  | Satin             |
|       |       | HB-G38B |  | Matt Black        |
|       |       | HB-FM   | 316 Stainless Steel Handrail Bracket Cradle <b>Flat</b>                      | Mirror            |
|       |       | HB-FS   |  | Satin             |
|       |       | HB-FB   |  | Matt Black        |
|       |       | HB-CM   | 316 Stainless Steel Handrail Bracket Cradle <b>Curve</b> for 38mm Round Tube | Mirror            |
|       |       | HB-CS   |  | Satin             |
|       |       | HB-CB   |  | Matt Black        |
|       |       |         |  |                   |