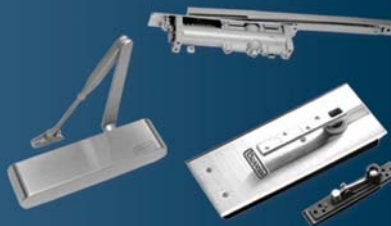


# Devon



architectural door hardware



DEVON is a comprehensive range of architectural door hardware and ancillary fittings engineered to highest standards. Proven performance, reliability and safety that specifiers rely on, conforming to European and international standards. The DEVON range is designed to be solution oriented, providing optimum solutions to access / egress controls of single family houses, multi-family dwellings, commercial buildings, retail complexes, hospitals, universities, government buildings and manufacturing facilities.

DEVON is continuously investing in modern technologies to ensure that products remain upto date to meet the demanding requirements of changing international standards. Careful selection of premium grade raw material, precision engineering and attention to quality is manifested in every phase of manufacturing. All materials used in producing DEVON architectural door hardware comply with appropriate international standards. Grade 304 Austenitic stainless steel is the main component in the stainless steel range. For installation in severe environments, products are manufactured in marine grade 316 stainless steel. Brass door hardware is produced from brass alloys that conform to BS EN 1652 1998.

DEVON cooperates with architects and industrial designers to add lasting aesthetic value to the product range. Door furniture is designed to suit different moods - Contemporary, Classic and Traditional. The fusion of art with industrial design in DEVON products makes them blend harmoniously with design concepts of architects and designers.

Notified body No. 1121  
Warrington Certification Limited, Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK

**Certificate of constancy of performance**  
**1121-CPR-AC5031**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Stainless Steel Butt Hinges**  
**89.380, 89.381, 89.382**

Intended use: For use on fire/smoke compartmentation doors, and escape route doors

| Essential characteristics                                                                    | Performance                                                                                                                                                                                                            | Harmonised technical specification |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|                                                                                              | Mechanical test evidence:<br>192544, 192544a, 192544b<br>Fire Test Evidence 186747                                                                                                                                     |                                    |
| Self-closing<br>Initial friction torque (door mass 120kg)<br>Static load<br>Load deformation | < 4,0 Nm<br>Passed with a displacement under load:<br>-lateral < 2 mm<br>-vertical < 4 mm<br>and a residual displacement after unloading<br>-lateral < 0,1 mm<br>-vertical < 0,3 mm<br>Passed                          | EN 1935:2002                       |
| Overload<br>Shear strength                                                                   | Passed with a lateral and vertical displacement after unloading < 3 mm                                                                                                                                                 |                                    |
| Hinges for use on fire-resistant and/or smoke-controls doors                                 | Grade 1: suitable for use on fire/smoke resistant door assemblies                                                                                                                                                      |                                    |
| Durability                                                                                   | Passed a 200 000 cycles test with a maximum wear:<br>-lateral < 0,2 mm<br>-vertical < 0,3 mm<br>and with a maximum frictional torque:<br>-after 20 cycles < 4,0 Nm<br>-after the completion of 200 000 cycles < 4,0 Nm | EN 1935:2002                       |
| Families of hinges with common design features                                               | The hinge covered by this CPR is the hinge tested                                                                                                                                                                      |                                    |
| Corrosion resistance                                                                         | Grade 4: 240Hrs                                                                                                                                                                                                        |                                    |
| Dangerous substances                                                                         | Pass: the materials in the hinge do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations (1)                  | EN 1935:2002                       |

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This certificate is the property of Warrington Certification Limited, part of Devco (UK) Ltd.  
Registered office: Latchford Industrial Estate, Neston, Merseyside, L62 9PL, UK. Registered in Scotland, no. SC 19429

Notified body No. 1121  
Warrington Certification Limited, Holmesfield Road, Warrington, Cheshire, WA1 2DS, UK

**Certificate of constancy of performance**  
**1121-CPR-AD5150**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Devon 86.217 Overhead door closer**

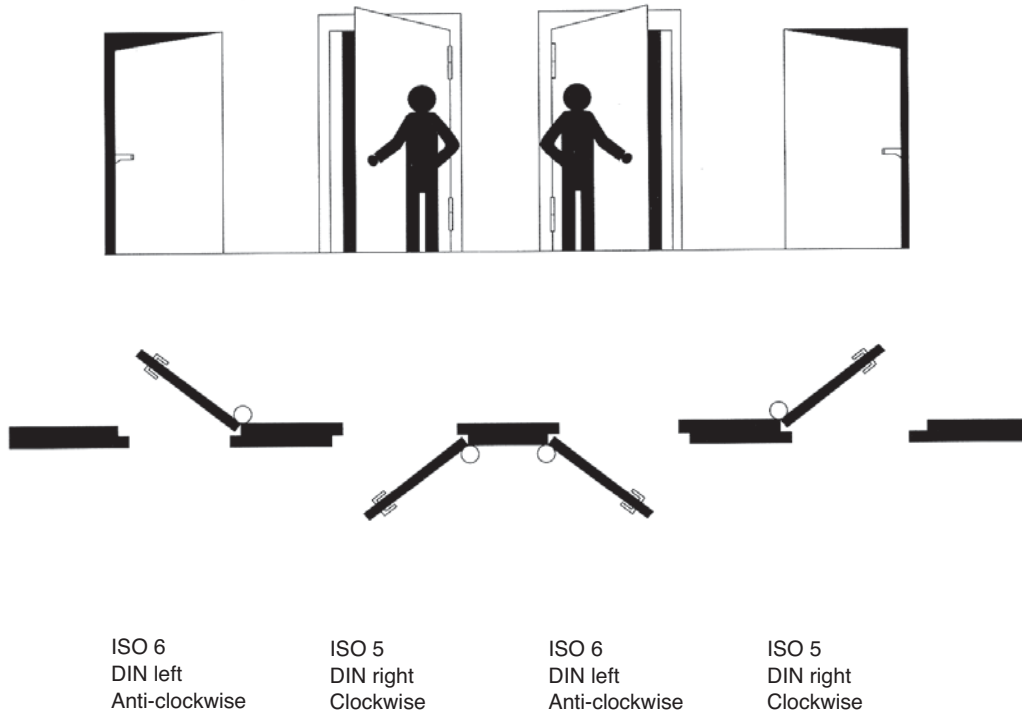
Intended use: For use on fire rated single leaf and double leaf doors  
STANDARD FIXING POSITION.

| Essential characteristics                              | Performance                                                                                                                                                                                             | Harmonised technical specification |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
|                                                        | Test Ref's:<br>239PCT & 144029                                                                                                                                                                          |                                    |
| Self closing                                           |                                                                                                                                                                                                         |                                    |
| 5.2.1 General                                          |                                                                                                                                                                                                         |                                    |
| 5.2.2 Durability                                       | 500,000 test cycles                                                                                                                                                                                     |                                    |
| 5.2.3 Closing moment                                   | Pass size 3                                                                                                                                                                                             |                                    |
| 5.2.4 Opening moment                                   | Pass size 3                                                                                                                                                                                             |                                    |
| 5.2.5 Efficiency                                       | >95% size 3                                                                                                                                                                                             |                                    |
| 5.2.6 Closing time                                     | Pass                                                                                                                                                                                                    |                                    |
| 5.2.7 Angles of operation                              | Grade 4, 180°                                                                                                                                                                                           |                                    |
| 5.2.8 Overload performance                             | Pass                                                                                                                                                                                                    |                                    |
| 5.2.9 Temperature dependence                           | -15°C to +40°C                                                                                                                                                                                          | EN 1154:1996/A1:2002/AC:2006       |
| 5.2.10 Fluid leakage                                   | Pass                                                                                                                                                                                                    |                                    |
| 5.2.11 Damage                                          | Pass                                                                                                                                                                                                    |                                    |
| 5.2.12 Latch control                                   | Pass                                                                                                                                                                                                    |                                    |
| 5.2.13 Back check (optional)                           | NPD                                                                                                                                                                                                     |                                    |
| 5.2.14 Delayed closing (optional)                      | NPD                                                                                                                                                                                                     |                                    |
| 5.2.15 Adjustable closing force (optional)             | NPD                                                                                                                                                                                                     |                                    |
| 5.2.16 Zero position (double action door closers only) | NPD                                                                                                                                                                                                     |                                    |
| 5.2.17.2 corrosion                                     | Pass                                                                                                                                                                                                    |                                    |
| 5.2.18 Fire/smoke door suitability                     | Pass                                                                                                                                                                                                    |                                    |
| Essential characteristics                              | Performance                                                                                                                                                                                             | Harmonised technical specification |
| Durability of Self Closing                             |                                                                                                                                                                                                         |                                    |
| 5.2.2 Durability                                       | 500,000 test cycles                                                                                                                                                                                     |                                    |
| 5.2.17.1 corrosion                                     | Grade 3 (96 hours)                                                                                                                                                                                      |                                    |
| 5.2.17.2 corrosion                                     | Pass                                                                                                                                                                                                    |                                    |
| Dangerous Substances Annex ZA3                         | Pass: the materials in the door closer do not contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations | EN 1154:1996/A1:2002/AC:2006       |

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The illustration given below is the nomenclature to determine handing of the fittings shown in this catalogue. We also give the ISO R1226 recommendation based on the closing direction together with a numerical symbol for the same.



**Tip**

View the door from the side on which hinge knuckle is visible. If the hinges are mounted on the left hand side of the door, the door is said to be **left hand**. Conversely if the hinges are mounted on the right hand side of the door, it is designated **right hand**.

DEVON offers a wide range of finish options. Meticulous hand-polishing, modern plating plants, automated and computer-controlled eletrophoretic lacquering plants deliver long lasting finishes.

| <b>Finish</b>                                    | <b>Code</b> |
|--------------------------------------------------|-------------|
| Satin Stainless Steel                            | 086         |
| Satin Stainless Steel / Polished Stainless Steel | 036         |
| Satin Stainless Steel / Gold Plated              | 088         |
| Satin Stainless Steel / Polished Brass           | 089         |
| Satin Stainless Steel / Satin Brass              | 134         |
| Satin Stainless Steel / Polished Chrome          | 099         |
| Satin Stainless Steel / Satin Chrome             | 135         |
| Satin Stainless Steel / PVD                      | 121         |
| Polished Stainless Steel                         | 087         |
| Polished Stainless Steel / PVD                   | 155         |
| Silver Anodized                                  | 021         |
| Polished Silver Anodized                         | 022         |
| Gold Anodized                                    | 024         |
| Bronzed Anodized                                 | 025         |
| Dark Bronze Anodized                             | 026         |
| Polished Brass                                   | 059         |
| Satin Brass                                      | 057         |
| Polished Brass / Satin Brass                     | 056         |
| Antique Brass                                    | 078         |
| BMA                                              | 107         |
| Satin Gold                                       | 030         |
| Gold Plated                                      | 068         |
| Gold Plated / Satin Gold                         | 143         |
| Gold Plated / Black Chrome                       | 142         |
| Gold Plated / Antique Bronze                     | 169         |
| PVD                                              | 101         |
| PVD / Satin PVD                                  | 157         |
| Satin Chrome                                     | 061         |
| Polished Chrome                                  | 063         |
| Polished Chrome / Satin Chrome                   | 029         |
| Polished Chrome / Satin Nickel                   | 067         |
| Polished Chrome / Polished Nickel                | 151         |
| Polished Chrome / Polished Brass                 | 082         |
| Polished Chrome / Gold Plated                    | 083         |
| Polished Chrome / Smoked Nickel                  | 100         |
| Polished Chrome / PVD                            | 123         |
| Polished Nickel                                  | 060         |
| Polished Nickel / Polished Brass                 | 072         |
| Satin Nickel / Polished Nickel                   | 127         |
| Satin Nickel                                     | 062         |
| Satin Nickel / Polished Brass                    | 079         |
| Satin Nickel / Satin Brass                       | 120         |
| Satin Nickel / Gold Plated                       | 131         |
| Satin Nickel / Satin Chrome                      | 132         |
| Satin Nickel / PVD                               | 144         |
| Black Nickel / Gold                              | 075         |
| Antique Iron                                     | 018         |
| Black Iron                                       | 074         |
| Galvanized Steel                                 | 007         |
| Black Powder Coated                              | 052         |
| Silver Sprayed                                   | 002         |
| Gold Sprayed                                     | 011         |
| Dark Brown Sprayed                               | 017         |

For long finish life, please follow the instructions as detailed in Care of finishes.

**Care of finishes**

Environmental conditions can have a dramatic effect on the finishes. Industrial pollution, high humidity, sea air and acidic rain may cause finish and metal to deteriorate prematurely. Periodic maintenance is highly recommended for long lasting finish. Strong acid solutions are sometimes used to clean masonry and tiling of buildings. These acids should never be used in contact with metals, including stainless steel. If it happens, the acid solution must be removed immediately, followed by dilution and rinsing with clean water.

**Products fitted externally****Brass**

It is recommended that unlacquered products be installed externally. Regular cleaning and applying a thin coating of good quality wax once a week is advisable. Polishing fortnightly with good quality brass polish may help in keeping the luster.

**Plated Finishes**

Clean with warm soapy water every fortnight and dry thoroughly. Occasional use of a suitable metal cleaner followed by a wipe of a cloth impregnated with light oil.

**Stainless Steel**

Stainless steel is selected in applications where its inherent corrosion resistance, strength and aesthetic appeal is required. However, depending on the service conditions, stainless steels will stain and discolour due to surface deposits and cannot be assumed to be completely maintenance free. In order to achieve maximum corrosion resistance and aesthetic appeal, the stainless steel surface must be kept clean. Clean with soap, detergent or dilute (1%) ammonia solution in warm clean water. Apply with a clean sponge, soft cloth or soft fibre brush then rinse in clean water and dry.

**Products fitted internally****Brass**

Lacquered brass products can be used when fitted internally. Lacquering provides protection against contamination of surface under normal usage. However it is prone to damage by use of sharp objects, abrasives, paint solvents and metal polishes. Under no circumstances should these be used on lacquered products. Regular cleaning with soft cloth supplemented by occasional washing with warm soapy water should keep the product in good condition for a long time.

**Plated Finishes**

Regular cleaning with soft cloth supplemented with occasional polishing with suitable metal polish.

**Stainless Steel**

Clean occasionally with soap, detergent or dilute (1%) ammonia solution in warm clean water. Apply with a clean sponge, soft cloth or soft fibre brush then rinse in clean water and dry.

**Caution:**

Under no circumstances, adhesive packing tape should be used for protection of product during construction or finishing of doors or cabinetry.

**Lever / Knob Furniture**

Lever Furniture **A-1.0 - A3.9**  
 Knob Furniture **A-4.0 - A4.1**  
 Escutcheons **A-4.2**  
 Spindles **A-4.3**

**Pull Handles**

Pulls Handles (BT/BB) **B-1.1 & B-2.0 - B-2.3**  
 Entrance Pull Handles **B-1.2 - B-1.9**  
 Pull Handle on Plate **B-2.4**

**Protection Plates**

Push Plates **B-2.4**  
 Kick Plates **B-2.5**

**Signage**

Sign Plates **B-2.5**  
 Name / Number Plates **B-2.6**  
 Numbers **B-2.6**  
 Letters **B-2.6**

**Door Accessories**

Surface Bolts **C-1.1**  
 Flush Bolts **C-1.1**  
 Automatic Bolts & Sockets **C-1.2**  
 Flush Pulls **C-1.3**  
 Cylinder Pulls **C-1.3**  
 Ring Handles **C-1.3**  
 Roller Catches **C-1.3**  
 Budget Locks **C-1.3**  
 Latches **C-1.3**  
 Door Guard **C-1.4**  
 Door Chains **C-1.4**  
 Door Viewer **C-1.4**  
 Floor Door Stops **C-1.5**  
 Wall Door Stops **C-1.5**  
 Door Holder, Foot Operated **C-1.5**  
 Door Holder Magnetic **C-1.5**  
 Limiting Stay **C-1.5**  
 Indicator Bolts **C-1.6**  
 Cloth Hooks **C-1.6**

**Hinges**

Specifications **D-1.0**  
 Selection **D-1.1**  
 Hinges **D-1.2 - D-2.1**

**Locking Devices**

Locks **E-1.1 - E-3.6**  
 Cylinders **E-3.7 - E-3.8**

**Door Controls**

Door Closer Functions **F-1.1- F-1.2**  
 Size Selection **F-1.3**  
 Overhead Closers **F-1.4 - F-2.6**  
 Jamb Closer **F-2.7**  
 Floor Springs **F-2.8 - F-3.3**  
 Door Coordinators **F-3.4**  
 Electromagnetic Door Holder **F-3.5**

**Panic Exit Devices  
 Cabinet Handles  
 Glass Fittings**

Panic Devices **G-1.1 - G-1.9**  
 Cabinet Handles **H-1.0**  
 Glass Door Patch Fittings **I-1.0 - I-1.9**  
 Glass Shower Cubical Fittings **I-2.0 - I-2.4**



DEVON offers a comprehensive range of door furniture engineered to the highest tolerances required by today's quality standards. Due to its robust construction, positive through fixing and high grade finishing, DEVON door furniture is suitable for use in demanding situations.

DEVON offers a broad range of door furniture designs for specifications. In addition to the standard designs shown, DEVON is able to offer special designs, styles and finishes to enable designer's own preferences to be expressed.





**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  | 19 mm Ø        | 22 mm Ø        | 25 mm Ø        |
|----------------------------------------------------------------------------------|----------------|----------------|----------------|
| Lever on rose                                                                    | <b>905.001</b> | <b>906.001</b> | <b>907.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>905.002</b> | <b>906.002</b> | <b>907.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>905.003</b> | <b>906.003</b> | <b>907.003</b> |



**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                | 19 mm Ø         | 22 mm Ø         | 25mm Ø          |
|--------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| Lever on blank plate                                                           | <b>905.121</b>  | <b>906.121</b>  | <b>907.121</b>  |
| Lever on plate for euro profile cylinder                                       | <b>905.122</b>  | <b>906.122</b>  | <b>907.122</b>  |
| Lever on bathroom plate with turn, emergency release and indicator. Right hand | <b>905.123R</b> | <b>906.123R</b> | <b>907.123R</b> |
| Lever on bathroom plate with turn, emergency release and indicator. Left hand  | <b>905.123L</b> | <b>906.123L</b> | <b>907.123L</b> |

**913****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

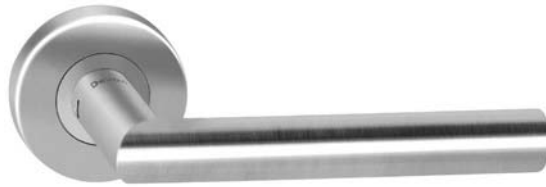
Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>913.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>913.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>913.003</b> |

**116****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>116.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>116.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>116.003</b> |

**971****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>971.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>971.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>971.003</b> |

**142****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>142.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>142.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>142.003</b> |

**961****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>961.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>961.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>961.003</b> |

**923B****Standard Finish:**

- 036** Satin Stainless Steel / Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                 |
|----------------------------------------------------------------------------------|-----------------|
| Lever on rose                                                                    | <b>923B.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>923B.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>923B.003</b> |

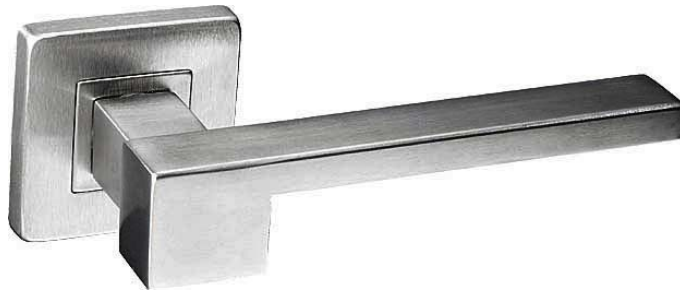
**227****Standard Finish:****062** Satin nickel

Other finishes available upon request.

Lever on rose **227.001**Lever on rose and euro profile cylinder  
Escutcheon **227.002****228****Standard Finish:****086** Satin Stainless Steel**087** Polished Stainless Steel**078** Antique Brass

Other finishes available upon request.

Lever on rose **228.001**Lever on rose and euro profile cylinder  
Escutcheon **228.002**Lever on rose and bathroom escutcheon  
with turn, emergency release and indicator **228.003**



**231**

**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **231.001**

Lever on rose and euro profile cylinder  
Escutcheon **231.002**



**232**

**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **232.001**

Lever on rose and euro profile cylinder  
Escutcheon **232.002**



**233**

**Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **233.001**

Lever on rose and euro profile cylinder  
Escutcheon **233.002**



**234**

**Standard Finish:**

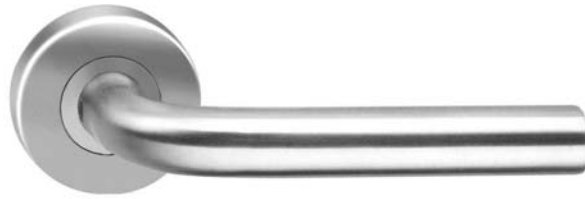
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **234.001**

Lever on rose and euro profile cylinder  
Escutcheon **234.002**

Lever on rose and bathroom escutcheon  
with turn, emergency release and indicator **234.003**

**176****Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                       |                |
|-------------------------------------------------------|----------------|
| Lever on rose                                         | <b>176.001</b> |
| Lever on rose and euro profile cylinder<br>Escutcheon | <b>176.002</b> |

**997****Standard Finish:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                       |                |
|-------------------------------------------------------|----------------|
| Lever on rose                                         | <b>997.001</b> |
| Lever on rose and euro profile cylinder<br>Escutcheon | <b>997.002</b> |



**947****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **947.001**Lever on rose and euro profile cylinder escutcheon **947.002**Lever on rose and bathroom escutcheon with turn, emergency release and indicator **947.003****934****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **934.001**Lever on rose and euro profile cylinder escutcheon **934.002**Lever on rose and bathroom escutcheon with turn, emergency release and indicator **934.003**

**935****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>935.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>935.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>935.003</b> |

**127****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>127.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>127.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>127.003</b> |

**966****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>966.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>966.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>966.003</b> |

**148****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>148.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>148.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>148.003</b> |

**223****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>223.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>223.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>223.003</b> |

**211****Standard Finish:****086** Satin Stainless Steel

Other finishes available upon request.

|                                                    |                |
|----------------------------------------------------|----------------|
| Lever on rose                                      | <b>211.001</b> |
| Lever on rose and euro profile cylinder Escutcheon | <b>211.002</b> |



**222**

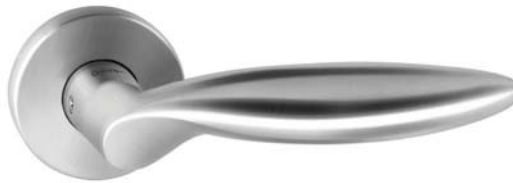
**Standard Finish:**

**086** Satin Stainless Steel

Other finishes available upon request.

Lever on rose **222.001**

Lever on rose and euro profile cylinder  
Escutcheon **222.002**



**991**

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **991.001**

Lever on rose and euro profile cylinder  
escutcheon **991.002**

Lever on rose and bathroom escutcheon  
with turn, emergency release and indicator **991.003**

**241**

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>241.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>241.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>241.003</b> |

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

**242**

|                                                    |                |
|----------------------------------------------------|----------------|
| Lever on rose                                      | <b>242.001</b> |
| Lever on rose and euro profile cylinder escutcheon | <b>242.002</b> |

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

**243****Standard Finishes:****086** Satin Stainless Steel**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **243.001**Lever on rose and euro profile cylinder escutcheon **243.002**Lever on rose and bathroom escutcheon with turn, emergency release and indicator **243.003****244****Standard Finishes:****086** Satin Stainless Steel**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **244.001**Lever on rose and euro profile cylinder escutcheon **244.002**Lever on rose and bathroom escutcheon with turn, emergency release and indicator **244.003**

**245****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>245.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>245.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>245.003</b> |

**246****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                    |                |
|----------------------------------------------------|----------------|
| Lever on rose                                      | <b>246.001</b> |
| Lever on rose and euro profile cylinder escutcheon | <b>246.002</b> |



**247****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **247.001**Lever on rose and euro profile cylinder escutcheon **247.002**Lever on rose and bathroom escutcheon with turn, emergency release and indicator **247.003****248****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **248.001**Lever on rose and euro profile cylinder escutcheon **248.002**Lever on rose and bathroom escutcheon with turn, emergency release and indicator **248.003**



**249**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>249.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>249.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>249.003</b> |



**250**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

|                                                                                  |                |
|----------------------------------------------------------------------------------|----------------|
| Lever on rose                                                                    | <b>250.001</b> |
| Lever on rose and euro profile cylinder escutcheon                               | <b>250.002</b> |
| Lever on rose and bathroom escutcheon with turn, emergency release and indicator | <b>250.003</b> |

**251****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **251.001**

Lever on rose and euro profile cylinder escutcheon **251.002**

Lever on rose and bathroom escutcheon with turn, emergency release and indicator **251.003**

**252****Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **252.001**

Lever on rose and euro profile cylinder escutcheon **252.002**

**253****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request.

|                                                    |                |
|----------------------------------------------------|----------------|
| Lever on rose                                      | <b>253.001</b> |
| Lever on rose and euro profile cylinder escutcheon | <b>253.002</b> |

**162****Standard Finish:****067** Polished Chrome / Satin Nickel

Other finishes available upon request.

|                                                    |                |
|----------------------------------------------------|----------------|
| Lever on rose                                      | <b>162.001</b> |
| Lever on rose and euro profile cylinder escutcheon | <b>162.002</b> |



**38.020**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes available upon request.

Lever on rose **38.020**

Lever on rose and euro profile cylinder escutcheon **38.202**



**168**



**Standard Finishes:**

- 030** Satin Gold
- 063** Polished Chrome
- 078** Antique Brass

Other finishes available upon request.

Lever on rose **168.001**

Lever on rose and euro profile cylinder escutcheon **168.002**

**166****Standard Finish:****127** Satin Nickel / Polished Nickel

Other finishes available upon request.

Lever on rose **166.001**Lever on rose and euro profile cylinder  
escutcheon **166.002****182****Standard Finishes:****062** Satin Nickel**078** Antique Brass

Other finishes available upon request.

Lever on rose **182.001**Lever on rose and euro profile cylinder  
Escutcheon **182.002**



**141**



**Standard Finishes:**

- 061** Satin Chrome
- 078** Antique Brass
- 101** PVD

Other finishes available upon request.

Lever on rose **141.001**

Lever on rose and euro profile cylinder escutcheon **141.002**



**151**

**Standard Finishes:**

- 078** Antique Brass
- 101** PVD

Other finishes available upon request.

Lever on rose **151.001**

Lever on rose and euro profile cylinder escutcheon **151.002**



**218**

**Standard Finish:**

**062** Satin Nickel

Other finishes available upon request.

Lever on rose **218.001**

Lever on rose and euro profile cylinder  
Escutcheon **218.002**



**224**

**Standard Finish:**

**062** Satin Nickel

Other finishes available upon request.

Lever on rose **224.001**

Lever on rose and euro profile cylinder  
Escutcheon **224.002**





**989**



**Standard Finishes:**

- 127** Satin Nickel / Polished Nickel
- 143** Gold Plated / Satin Gold

Other finishes available upon request.

Lever on rose **989.001**

Lever on rose and euro profile cylinder escutcheon **989.002**



**989.852**



**989.722**

**Standard Finishes:**

- 127** Satin Nickel / Polished Nickel
- 143** Gold Plated / Satin Gold

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 85 mm **989.852**

Lever on euro profile cylinder plate, centers 72 mm **989.722**



**995**



**Standard Finishes:**

- 067** Polished Chrome / Satin Nickel
- 157** PVD / Satin PVD

Other finishes available upon request.

Lever on rose

**995.001**

Lever on rose and euro profile cylinder escutcheon

**995.002**



**995.722**



**Standard Finishes:**

- 067** Polished Chrome / Satin Nickel
- 157** PVD / Satin PVD

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm

**995.722**



**996**



**Standard Finishes:**

- 067** Polished Chrome / Satin Nickel
- 157** PVD / Satin PVD

Other finishes available upon request.

Lever on rose **996.001**

Lever on rose and euro profile cylinder escutcheon **996.002**



**996.722**



**Standard Finishes:**

- 067** Polished Chrome / Satin Nickel
- 157** PVD / Satin PVD

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm **996.722**



**158.852**

Lever on euro profile cylinder plate, centers 85 mm **158.852**

**Standard Finish:**

**131** Satin Nickel / Gold Plated

Other finishes available upon request.



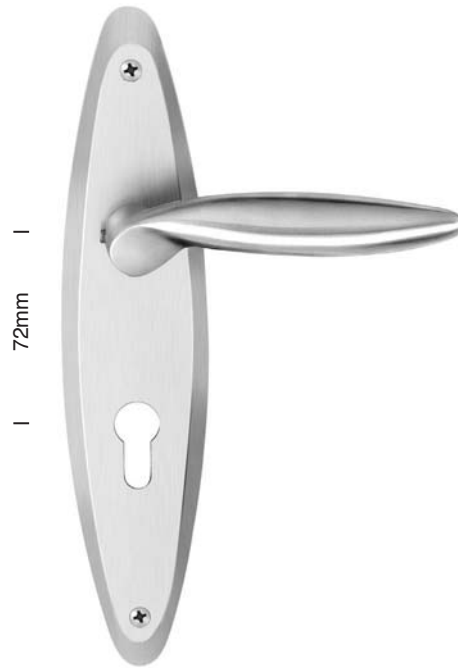
**218.722**

Lever on euro profile cylinder plate, centers 72 mm **218.722**

**Standard Finish:**

**062** Satin Nickel

Other finishes available upon request.

**991.722****Standard Finishes:****086** Satin Stainless Steel**087** Polished Stainless Steel

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72mm **991.722**

**978**

Knob Ø 60 mm on rose

**978.001**Knob Ø 60 mm on rose and euro profile  
cylinder escutcheon**978.002****Standard Finish:****086** Satin Stainless SteelOther finishes available upon  
request.**975**

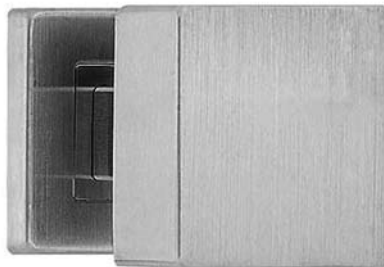
Knob Ø 60 mm on rose

**975.001**Knob Ø 60 mm on rose and euro profile  
cylinder escutcheon**975.002****Standard Finishes:****099** Satin Stainless Steel /  
Polished Chrome**121** Satin Stainless Steel / PVDOther finishes available upon  
request.

**976****Standard Finishes:****067** Polished Chrome / Satin Nickel  
**101** PVD

Other finishes available upon request.

Knob Ø 75 mm on rose

**976.001**Knob Ø 75 mm on rose and euro profile  
cylinder escutcheon**976.002****981****Standard Finishes:****086** Satin Stainless Steel  
**087** Polished Stainless Steel

Other finishes available upon request

Knob on rose

**981.001**Knob on rose and euro profile  
cylinder escutcheon**981.002**



**056 PZ**  
Euro profile escutcheon  
54 ø x 10 mm, concealed fixing



**056 N**  
Narrow Euro profile escutcheon  
60 x 33 x 10 mm, concealed fixing



**056 B**  
Blank escutcheon  
54 ø x 10 mm, concealed fixing



**056 WC**  
Escutcheon with thumbturn / indicator  
& emergency release  
54 ø x 10 mm, concealed fixing



**056 WC/DA**  
Escutcheon with extended thumbturn /  
indicator & emergency release  
54 ø x 10 mm, concealed fixing

Suitable for use on toilets for people with  
special needs

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass
- 101** PVD

Other finishes available upon request





**Slotted Spindle**  
Galvanized steel

- 99.001.007** 8 x 8 x 110 mm
- 99.002.007** 8 x 8 x 120 mm



**One way Spindle**  
for single side lever / knob fixing.  
Galvanized steel

- 99.003.007** 8 x 8 x 65 mm



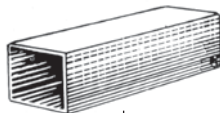
**Split Spindle**  
for use on panic lock with split follower.  
Galvanized steel

- 99.004.007** 8 x 8 x 115 mm
- 99.005.007** 9 x 9 x 115 mm



**Half Spindle**  
Galvanized steel

- 99.006.007** 8 x 8 x 65 mm



**Reducer Sleeve**  
To reduce 9 mm lock hub to suit 8 mm spindle Galvanized steel

- 99.007.007** 40 mm



**Dead fix spindle**  
To fix dead lever or knob.  
Galvanized steel

- 99.008.007**



**Dead fix spindle**  
To fix dead 975 knob.  
Satin Stainless steel

- 99.009.086**



| C/C   | 19mm Dia      | 22mm Dia      | 25mm Dia      |
|-------|---------------|---------------|---------------|
| 150mm | <b>98.081</b> | <b>98.089</b> | <b>98.097</b> |
| 225mm | <b>98.082</b> | <b>98.090</b> | <b>98.098</b> |
| 305mm | <b>98.083</b> | <b>98.091</b> | <b>98.099</b> |

- Standard without rose, with bolt through or back to back fixing.
- Optional roses are available for use with the pull handles, add letter "R" to the code



**Grab - Rails**

| <b>98.801.86</b> |        |
|------------------|--------|
| Dia              | 35 mm  |
| C/C              | 600 mm |



| C/C   | 22mm Dia      | 25mm Dia      | 32mm Dia      |
|-------|---------------|---------------|---------------|
| 200mm | <b>98.114</b> | <b>98.118</b> |               |
| 300mm |               | <b>98.119</b> | <b>98.331</b> |



| C/C   | 22mm Dia      | 25mm Dia      | 32mm Dia      |
|-------|---------------|---------------|---------------|
| 200mm | <b>98.130</b> | <b>98.131</b> |               |
| 300mm |               | <b>98.133</b> | <b>98.337</b> |



| <b>98.536</b> |       |
|---------------|-------|
| Dia           | 22mm  |
| C/C           | 250mm |



| <b>98.540</b> |        |
|---------------|--------|
| Dia           | 16 mm  |
| Length        | 300 mm |
| C/C           | 230 mm |



| <b>98.541</b> |        |
|---------------|--------|
| Dia           | 20 mm  |
| Length        | 300 mm |
| C/C           | 225 mm |



| <b>98.535</b> |       |
|---------------|-------|
| Dia           | 25mm  |
| Length        | 300mm |
| C/C           | 150mm |



| <b>98.521</b> |        |
|---------------|--------|
| Dia           | 38 mm  |
| Length        | 425 mm |
| C/C           | 380 mm |



| <b>98.520</b> |        | <b>98.519</b> |         |
|---------------|--------|---------------|---------|
| Dia           | 32 mm  | Dia           | 38 mm   |
| Length        | 450 mm | Length        | 1000 mm |
| C/C           | 250 mm | C/C           | 700 mm  |

**Standard Finishes:**

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
Other finishes available upon request.



**98.200**

| Length | C/C    | Dia ø | Item Code |
|--------|--------|-------|-----------|
| 1800mm | 1762mm | 38mm  | 98.200    |

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel



**98.201**

| Length | C/C    | Dia ø | Item Code |
|--------|--------|-------|-----------|
| 1800mm | 1762mm | 38mm  | 98.201    |

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel



98.203

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 600mm  | 565mm | 38mm  | 98.203    |

**Material :** Solid stainless steel  
**Standard Finishes:**  
**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**078** Antique Brass  
 Matt Bronze



98.204

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 600mm  | 565mm | 19mm  | 98.204    |

**Material :** Solid stainless steel  
**Standard Finishes:**  
**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**078** Antique Brass  
 Matt Bronze



98.205

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 535mm  | 505mm | 32mm  | 98.205    |

**Material :** Solid stainless steel  
**Standard Finishes:**  
**086** Satin Stainless Steel  
**087** Polished Stainless Steel  
**078** Antique Brass  
 Matt Bronze



**98.206**

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 610mm  | 570mm | 42mm    | 98.206    |

**Material :** Solid stainless steel

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass  
Matt Bronze



**98.207**

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 630mm  | 580mm | 75mm    | 98.207    |

**Material :** Solid stainless steel

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass  
Matt Bronze



**98.208**

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 400mm  | 350mm | 79.5mm  | 98.208    |

**Material :** Solid stainless steel

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass  
Matt Bronze



98.209

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 510mm  | 475mm | 40mm    | 98.209    |

**Standard Finishes:**  
**078** Antique Brass



98.210

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 600mm  | 570mm | 30mm    | 98.210    |

**Standard Finishes:**  
**078** Antique Brass



98.211

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 450mm  | 330mm | 28mm    | 98.211    |

**Standard Finishes:**  
**078** Antique Brass



98.212

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 800mm  | 460mm | 38mm    | 98.212    |

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze



98.213

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 350mm  | 180mm | 25mm    | 98.213    |

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze



98.215

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 630mm  | 430mm | 32mm    | 98.215    |

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze

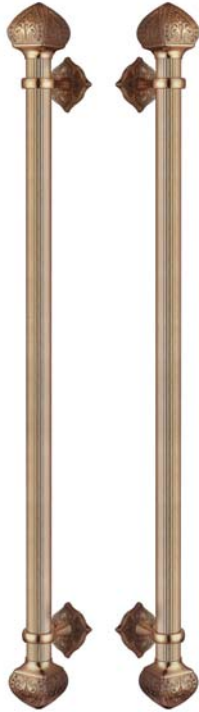


98.216

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 1200mm | 898mm | 38mm    | 98.216    |

**Material:** Brass  
**Standard Finishes:**  
**059** Polished Brass  
**078** Antique Brass  
 Matt Bronze





**98.217**

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 1020mm | 800mm | 35mm  | 98.217    |

**Standard Finishes:**  
**078** Antique Brass

**98.218**

| Length | C/C     | Section | Item Code |
|--------|---------|---------|-----------|
| 800mm  | 350 x 2 | 39 x 39 | 98.218    |

**Standard Finishes:**  
**078** Antique Brass





98.219

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 465mm  | 364mm | 38    | 98.219    |

**Standard Finishes:**  
078 Antique Brass



98.220

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 425mm  | 314mm | 23      | 98.220    |

**Standard Finishes:**  
078 Antique Brass



98.221

| Length | C/C   | Item Code |
|--------|-------|-----------|
| 300mm  | 230mm | 98.221    |

**Standard Finishes:**  
078 Antique Brass



98.222

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 300mm  | 245mm | 38      | 98.222    |

**Standard Finishes:**  
078 Antique Brass



**98.300**

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 270mm  | 245mm | 25      | 98.300    |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



**98.301**

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 274mm  | 250mm | 15 x 24 | 98.301.1  |
| 374mm  | 350mm | 15 x 24 | 98.301.2  |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.302

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 380mm  | 280mm | 20    | 98.302.1  |
| 410mm  | 350mm | 30    | 98.302.2  |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.303

| Length | C/C   | Section | Item Code |
|--------|-------|---------|-----------|
| 280mm  | 248mm | 30 x 16 | 98.303    |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



**98.304**

| Length | C/C   | Size    |        | Item Code |
|--------|-------|---------|--------|-----------|
|        |       | Ends    | Middle |           |
| 380mm  | 280mm | 29 x 29 | 18     | 98.304.1  |
| 410mm  | 350mm | 29 x 29 | 18     | 98.304.2  |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



**98.305**

| Length | C/C   | Size    | Item Code       |
|--------|-------|---------|-----------------|
| 215mm  | 200mm | 25 x 10 | <b>98.305.1</b> |
| 315mm  | 300mm | 30 x 15 | <b>98.305.2</b> |
| 415mm  | 400mm | 30 x 15 | <b>98.305.3</b> |
| 620mm  | 600mm | 40 x 20 | <b>98.305.4</b> |
| 820mm  | 800mm | 40 x 20 | <b>98.305.5</b> |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.306

| Length | C/C   | Dia ø | Item Code |
|--------|-------|-------|-----------|
| 319mm  | 300mm | 19    | 98.306.1  |
| 425mm  | 400mm | 25    | 98.306.2  |
| 632mm  | 600mm | 32    | 98.306.3  |
| 832mm  | 800mm | 32    | 98.306.4  |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request



98.307

| Length | C/C   | Size    | Item Code |
|--------|-------|---------|-----------|
| 450mm  | 300mm | 40 x 10 | 98.307.1  |
| 550mm  | 400mm | 40 x 10 | 98.307.2  |
| 450mm  | 300mm | 40 x 20 | 98.307.3  |
| 550mm  | 400mm | 40 x 20 | 98.307.4  |

**Standard Finishes:**

**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request

### Pull Handles on Plates



#### 98.126

19 x 110 mm pull on 170 x 170 mm plate

#### 98.338

22 x 110 mm pull on 170 x 170 mm plate

#### 98.339

25 x 110 mm pull on 170 x 170 mm plate

The plates can be supplied with text, symbol or cylinder cut out. Add following letters to code number as required.

F - Female Symbol  
M - Male Symbol  
U - Unisex Symbol

D - Disabled Symbol  
X - Text  
Y - Euro Profile Cylinder Cut-Out

#### 98.121

19 x 225 mm pull on 76 x 305 mm plate

#### 98.122

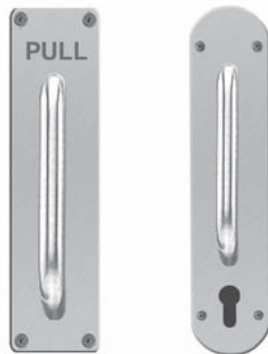
22 x 225 mm pull on 76 x 305 mm plate

#### 98.125

25 x 225 mm pull on 76 x 305 mm plate

Rectangular plates supplied as standard.

For rounded plates add letter "R" to code number



#### 98.340

19 x 150 mm pull on 76 x 305 mm plate

#### 98.341

22 x 150 mm pull on 76 x 305 mm plate

#### 98.342

25 x 150 mm pull on 76 x 305 mm plate

Rectangular plates supplied as standard.

For rounded plates add letter "R" to code number.

These plates can be supplied with text, symbol or cylinder cut-out. Add following letters to code number, as required.

F - Female Symbol  
M - Male Symbol  
D - Disable Symbol

X - Text  
Y - Euro Profile Cylinder Cut-Out

### Push Plates

The plates are supplied in 1.5 mm thickness for stainless steel or brass material and 2.0 mm for aluminium, as standard. Other thickness can be supplied to customer's requirement.

- 96.135 305 x 76 x 1.5 mm
- 96.136 305 x 76 x 2.0 mm
- 96.137 305 x 76 x 3.0 mm
- 96.138 305 x 100 x 1.5 mm
- 96.139 305 x 100 x 2.0 mm
- 96.140 305 x 100 x 3.0 mm

Rectangular plates supplied as standard.  
For rounded plates add letter "R" to code number.

- 96.141 170 x 170 x 1.5 mm
- 96.142 170 x 170 x 2.0 mm
- 96.143 170 x 170 x 3.0 mm

These plates can be supplied with text or symbol.  
Add following letters to code number as required.

F - Female Symbol                      D - Disable Symbol  
M - Male Symbol                        X - Text

Note: Any size and shape can be manufactured to suit customer's requirement

#### Standard Finishes:

- 086 Satin Stainless Steel      087 Polished Stainless Steel
- Other finishes available upon request.



### Kick Plates and Trolley Plates

Kick plates and Trolley Plates are available from 1.2 mm to 3 mm thickness, depending on the material.

Size must be specified when ordering

#### How to order

##### Application A

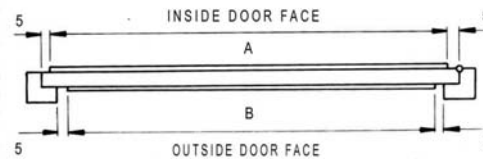
Full width of inside door face minus 5 mm clearance at each edge. Total 10 mm clearance

##### Application B

Full width of outside door face minus rebate at each edge, minus a further 5 mm clearance at both edges.



| Thickness (mm) | Cat. Code |
|----------------|-----------|
| 1.2            | 96.150    |
| 1.5            | 96.151    |
| 2.0            | 96.152    |
| 3.0            | 96.153    |



### Signage 100 x 150 mm x 1.5mm Thickness

Common signs are illustrated below. An extensive range of symbols is available upon request.



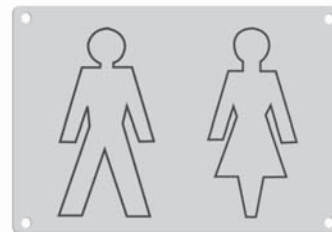
Male  
96.144



Female  
96.145



Disabled  
96.146



Unisex  
96.147

### Signage (Circular) 76mm Dia, 1.5mm Thickness



Male  
96.144C



Female  
96.145C



Disabled  
96.146C



Unisex  
96.147C

#### Standard Finishes:

086 Satin Stainless Steel    087 Polished Stainless Steel  
Other finishes available upon request.



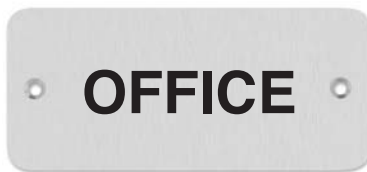
Name / Number Plate



**93.136**  
305 x 76 x 1.5 mm



**93.209 N**  
120 x 60 x 1.5 mm



**93.209 L**  
120 x 60 x 1.5 mm



**93.210**  
120 x 75 x 1.5 mm

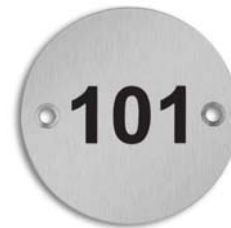
Bell Push Plates



**93.224**  
150 x 100 mm



**93.225**  
85 x 85 mm



**93.212**  
76 mm Dia

Door Number / Letter



**93.300 - 93.309**  
50 mm

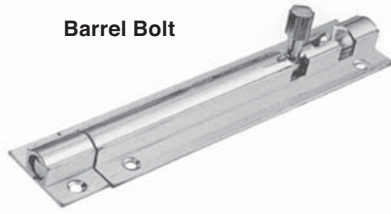
**93.30A - 93.30Z**  
50 mm

Standard Finishes:

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
Other finishes available upon request.

### BOLTS

#### Barrel Bolt



- 94.150** 102 x 25 mm
- 94.151** 152 x 25 mm
- 94.152** 203 x 32 mm

#### Standard Finishes:

- 059** Polished Brass
- 061** Satin Chrome
- 078** Antique Brass



- 94.153** 102 x 25 mm
- 94.154** 152 x 25 mm

#### Standard Finishes:

- 059** Polished Brass
- 061** Satin Chrome
- 078** Antique Brass

#### Lever Action Flush Bolt



- 94.155** 152 x 19 mm
- 94.156** 203 x 19 mm
- 94.157** 305 x 19 mm
- 94.180** 457 x 19 mm
- 94.181** 609 x 19 mm
- 94.182** 914 x 19 mm

Other available sizes upon request.

#### Standard Finishes:

- 059** Polished Brass
- 061** Satin Chrome
- 063** Polished Chrome
- 078** Antique Brass

#### Extension Bolts

Lever action flush extension bolt, suitable for metal doors. Supplied with 254 mm rod, unless other lengths are specified.

#### Standard Finishes:

- 061** Satin Chrome
- 063** Polished Chrome



- 94.170** 203 x 25 mm
- 94.171** 305 x 25 mm

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel



**94.370**

### Automatic Bolts

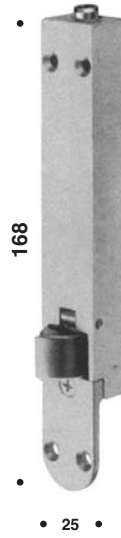


#### 94.190

- Non handed
- UL Listed - Label A
- 25.5 x 216 mm, fits standard ANSI preparation.

#### Standard Finish:

**086** Satin Stainless Steel



#### 94.191

- Reversible latch.
- 168 x 25 mm.
- Depth 20 mm.
- Adjustable bolt height.
- Suitable for fire door.

#### Standard Finish:

**098** Zinc Plated



#### 94.192

- Supplied with rod height 250 mm.
- Minimum profile depth 50 mm.
- Reversible anti-friction Bolt.
- Suitable for fire door.

#### Standard Finish:

**007** Galvanized



#### 94.193

- Non handed
- UL Listed - Label A
- 25.5 x 171 mm, fits standard ANSI preparation.

#### Standard Finish:

**086** Satin Stainless Steel

### Easy Clean Socket



**94.158**

#### Standard Finishes:

**059** Polished Brass  
**021** Silver Anodized

### Dust Excluding Sockets



**94.165**  
13 mm ø

#### Standard Finishes:

**061** Satin Chrome  
**059** Polished Brass  
**078** Antique Brass  
**086** Satin Stainless Steel



**94.166**  
19 mm ø

#### Standard Finishes:

**061** Satin Chrome  
**086** Satin Stainless Steel  
**059** Polished Brass  
**078** Antique Brass



**94.167**  
22 mm ø

#### Standard Finish:

**086** Satin Stainless Steel

### Flush Handles



**98.504**  
120 x 40mm



**98.501**  
102 x 40mm

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Flush Ring Handles



**98.502**  
89 x 89 mm  
Squash Court Handle



**98.503**  
76 mm  $\phi$   
Flush Ring Handle

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Roller Catch

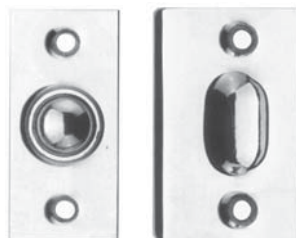


**88.478**

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Ball Catch



**88.477**

**Standard Finish:**

- 086 Satin Stainless Steel

### Cylinder Pulls



**93.204**



**93.205**  
Blank

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Latches



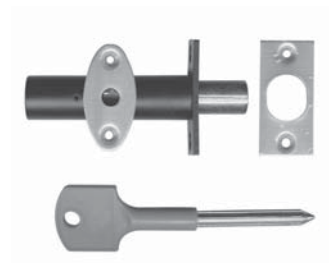
**88.465**  
Dead Latch

**88.466**  
Latch

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Budget Lock

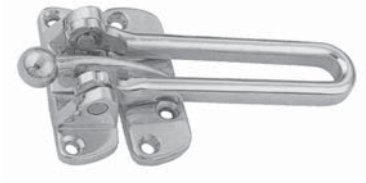


**93.198**

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

### Door Guard / Chains



93.183

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



93.208

**Standard Finishes:**

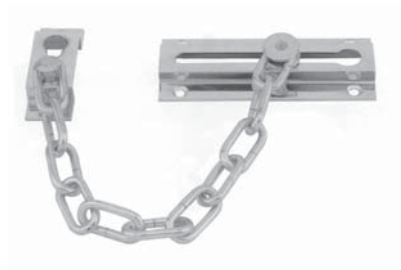
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



93.206

**Standard Finishes:**

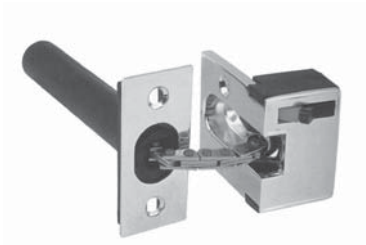
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel



93.185

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



93.209

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

### Door Viewer 200 Degree



93.186

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass



93.207

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass

### Door Stops



95.171

**Standard Finishes:**

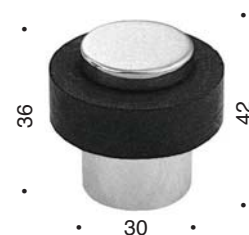
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



95.174

**Standard Finishes:**

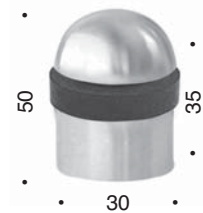
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass



95.175

**Standard Finishes:**

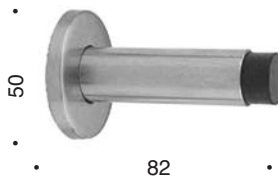
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass



95.176

**Standard Finishes:**

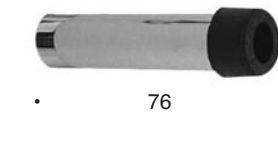
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel



95.173

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass



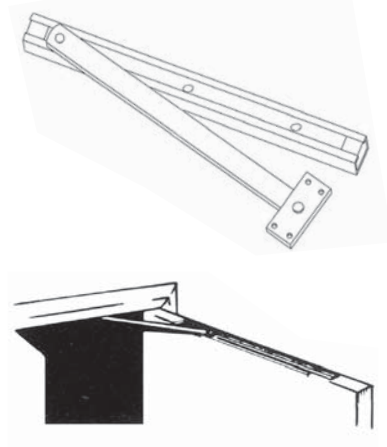
95.172

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

### Door Limiting Stay

Concealed overhead limiting stay to prevent door opening beyond 90°. Suitable for use on single action and double action doors, where conditions do not allow fixing of door stop.



86.270

**Standard Finish:**

- 007 Galvanized steel

### Door Holders



95.181

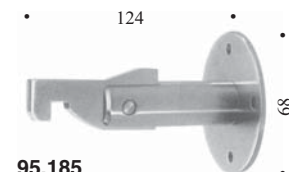
Foot operated

95.183

Foot operated

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel



95.185

Wall door holder

**Standard Finish:**

- 086 Satin Stainless Steel



95.182

Magnetic door holder

**Standard Finishes:**

- 061 Satin Chrome
- 063 Polished Chrome
- 068 Gold Plated

**Indicator Bolts**



**91.201**



**91.204**  
(Suitable for Disabled Toilet)



**91.202**



**91.203**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

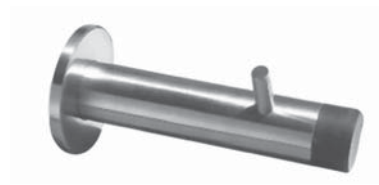
**Hooks**



**92.192**

**92.193**

**92.193 S**



**92.196**



**92.195**

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel



The material used in producing DEVON architectural hinges complies with the current BS EN Standards. Grade 304 Austenitic stainless Steel is the main component in the stainless Steel range. For installation in very harsh environments, hinges can be manufactured (to special order) in marine grade 316 stainless steel.

DEVON hinges match or complement the finish of architectural hardware and retain their appearance over many years. DEVON hinges are normally available ex-stock in satin stainless steel. Other finishes are available to meet the design and styling considerations of new building and refurbishment schemes. These include bright polished stainless steel, satin or polished brass lacquered finishes.

DEVON hinges are subject to rigorous test procedures to ensure that they comply with EN 1935. Products are designed and developed to satisfy international standards.

DEVON Architectural Hinges are classified under BSEN 1935 (see the table opposite) and are being developed to meet future international standards on their publication. These are specifications for the strength and durability of single axis hinges for side hung application and dimensional requirements for template drilling. BS EN grade is given according to the maximum annual number of operations.

It is important to remember that the weight of the door hardware and any glass used, can significantly increase the mass of a door and should be taken into account when specifying hinges.

Door closers also increase the load on hinges. If a door closer is fitted, it is recommended that the effective door mass be assumed to be 20% greater than the actual door mass. Backcheck closers impose even more load and the mass of the door should be assumed to be 75% greater than the actual mass.

### BS EN 1935 Classification of Hinges

| Hinge | Usage       | Test cycles<br>mass | Door   |
|-------|-------------|---------------------|--------|
| 1     | Window      | 10 000              | 10 kg  |
| 2     | Window      | 10 000              | 20 kg  |
| 3     | Window/Door | 25 000              | 20 kg  |
| 4     | Door        | 200 000             | 20 kg  |
| 5     | Window      | 10 000              | 40 kg  |
| 6     | Window/Door | 25 000              | 40 kg  |
| 7     | Door        | 200 000             | 40 kg  |
| 8     | Window      | 10 000              | 60 kg  |
| 9     | Window/Door | 25 000              | 60 kg  |
| 10    | Door        | 200 000             | 60 kg  |
| 11    | Door        | 200 000             | 80 kg  |
| 12    | Door        | 200 000             | 100 kg |
| 13    | Door        | 200 000             | 120 kg |
| 14    | Door        | 200 000             | 160 kg |

### Fire Door Hinges

Building Regulations stipulate a minimum melting point of 500°C for fire door hinges. DEVON architectural hinges are made from stainless Steel which has a melting point of 1530° C and are all suitable for use on fire doors.

When hanging a fire door, all the hinges must be bedded on suitable intumescent material or intumescent mastic on both the door and frame. Intumescent hinge packs are available upon request.



### Hinge Selection

The appropriate specification and correct selection of hinges is crucial to their performance and depends on the following factors;

- **Door Size, weight and construction.**
- **Frequency of use and the type of traffic.**
- **The environment and location**

Hinges should always be specified to comply with the BS EN 1935 classification appropriate to the type of application. When specifying, please state the actual door weight and the adjusted door weight. To assist in selecting the right Devon hinges, refer to the table on the previous page.

### Number of Hinges

Normally three hinges are fitted to each door leaf in accordance with BS 4787 part 1. For doors exceeding 2100 mm in height, a fourth hinge should be fitted.

### Hinge Installation

Hinges should be installed in accordance with the door manufacturer's recommendations. Where no such instructions are available, care must be taken to ensure that the hinges are correctly aligned and fixed securely to the door and frame. Screw holes should be piloted and screw heads must be flush with the hinge face to ensure that the door closes properly.

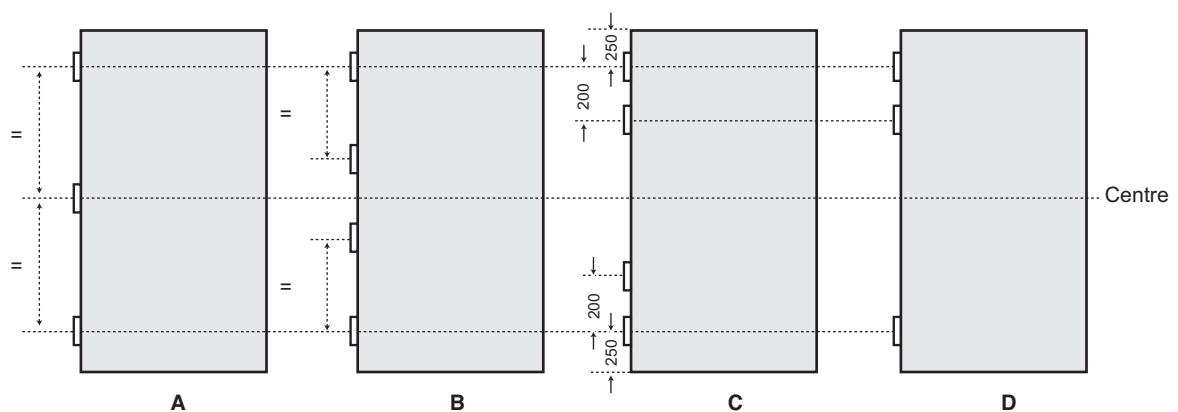


### Hinge Positioning

It is usually acceptable to line up the centre hinge with the handle hardware.

Equally spaced hinges will minimize warping, which may occur in environments with extremes of temperature or humidity on either side of the door.

Unequally spaced hinges (Fig. c and d), improve load bearing. This is recommended where the hinges are operating near their load bearing maximum or where door closers, particularly back check door closers, are in operation and the door is frequently used.



### CE 13 BS EN 1935 Certified High Performance Stainless Steel Double Ball Bearing Hinges



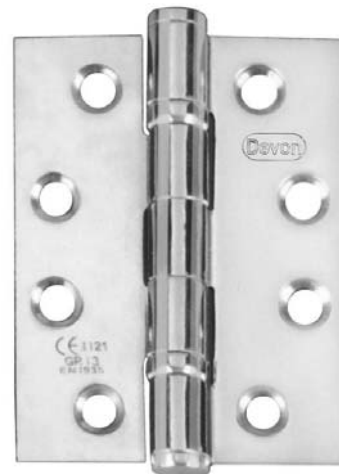
High performance hinge with extra deep thrust bearing for high load and long life. Stainless steel fixed pin.

- Template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Certified to EN 1935 Grade 13
- CE certified.
- Certifire approved
- Suitable for fire rated doors.
- Very high Anti-Corrosive to BS EN Grade 4

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type | Qty. |                                     |                 |
| <b>89.355</b> | 102 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |
| <b>89.356</b> | 102 x 102 x 3                    | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |
| <b>89.357</b> | 102 x 89 x 3                     | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |
| <b>89.359</b> | 127 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |
| <b>89.372</b> | 152 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |



Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Stainless Steel Two Ball Bearing Hinges



1121-CPR-AC5031  
EN 1935:2002

Heavy duty hinge with stainless steel fixed pin, 2 thrust bearing and button tip at both ends.

- Wooden and metal doors and frames.
- Standard : EN 1935:2002
- Class : 

|   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|----|
| 4 | 7 | 6 | 1 | 1 | 4 | 0 | 13 |
|---|---|---|---|---|---|---|----|
- Corrosion resistance Grade 4 : 240 Hrs

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type | Qty. |                                     |                 |
| <b>89.380</b> | 102 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |
| <b>89.381</b> | 102 x 89 x 3                     | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |
| <b>89.382</b> | 102 x 102 x 3                    | 1¼ x 10                              | S/S  | 8    | 120                                 | 13              |

### Stainless Steel Four Ball Bearing Hinges

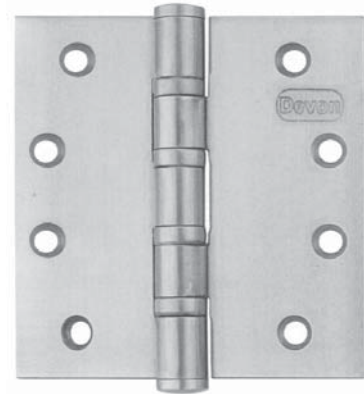
Heavy duty hinge with stainless steel fixed pin, 4 thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Suitable for fire rated doors
- Available with security dog bolt upon request.

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type | Qty. |                                     |                 |
| <b>89.350</b> | 102 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 80                                  | 13              |
| <b>89.351</b> | 102 x 102 x 3                    | 1¼ x 10                              | S/S  | 8    | 80                                  | 13              |
| <b>89.352</b> | 114 x 102 x 3.4                  | 1¼ x 12                              | S/S  | 8    | 120                                 | 13              |
| <b>89.353</b> | 114 x 114 x 3.4                  | 1¼ x 12                              | S/S  | 8    | 120                                 | 13              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Stainless Steel Washered Hinges.

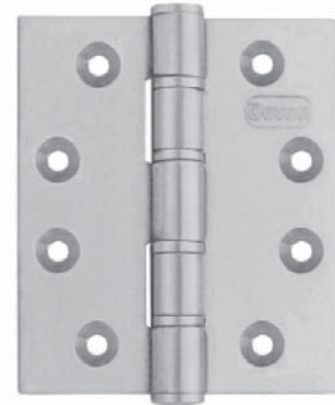
With stainless steel fixed pin, stainless steel washers and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- Suitable for fire rated doors, comply with EN1634.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type | Qty. |                                     |                 |
| <b>89.342</b> | 76 x 52 x 2                      | 1¼ x 6                               | S/S  | 8    | 60                                  | 10              |
| <b>89.343</b> | 102 x 76 x 2.5                   | 1¼ x 8                               | S/S  | 8    | 60                                  | 10              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Stainless Steel Rising Hinges

With stainless steel fixed pin and button tip at both ends.

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes upon request.



| Code   | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) |
|--------|----------------------------------|--------------------------------------|------|------|-------------------------------------|
|        |                                  | Size                                 | Type | Qty. |                                     |
| 89.411 | 102 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 60                                  |

Weight capacity is based on two hinges per door

### Stainless Steel Falling Hinges

With stainless steel fixed pin and button tip at both ends.

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes upon request.



| Code   | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) |
|--------|----------------------------------|--------------------------------------|------|------|-------------------------------------|
|        |                                  | Size                                 | Type | Qty. |                                     |
| 89.412 | 102 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 60                                  |

Weight capacity is based on two hinges per door

### Brass Washered Hinges

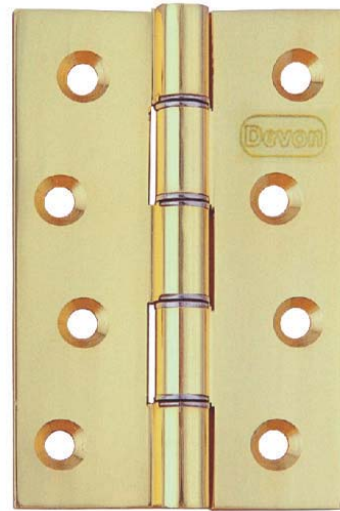
Strong hinges with stainless steel pin and double stainless steel washers

- Available with congruent (zig zag) or ANSI template drilled screw holes

#### Standard Finishes:

- 059** Polished Brass
- 063** Polished Chrome
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.311</b> | 76 x 52 x 2.5                    | 1 x 8                                | Brass | 8    | 40                                  | 6               |
| <b>89.312</b> | 102 x 76 x 3                     | 1¼ x 10                              | Brass | 8    | 60                                  | 10              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Washered Hinges With Finials

Strong hinges with stainless steel pin and double stainless steel washers

- Available with congruent (zig zag) or ANSI A 156.7 template drilled screw holes

#### Standard Finishes:

- 059** Polished Brass
- 063** Polished Chrome
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.308</b> | 76 x 52 x 2.5                    | 1 x 8                                | Brass | 8    | 40                                  | 6               |
| <b>89.309</b> | 102 x 76 x 3                     | 1¼ x 10                              | Brass | 8    | 60                                  | 10              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Double Ball Bearing Hinges

Double ball bearing hinge with stainless steel fixed pin, two thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

#### Standard Finishes:

- 059** Polished Brass
- 063** Polished Chrome
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.328</b> | 102 x 76 x 3                     | 1¼ x 12                              | Brass | 8    | 80                                  | 11              |
| <b>89.329</b> | 102 x 102 x 3                    | 1¼ x 12                              | Brass | 8    | 80                                  | 11              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Four Ball Bearing Hinges

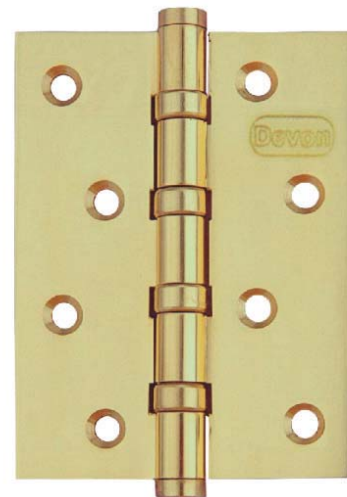
Four ball bearing hinge with stainless steel fixed pin, four thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

#### Standard Finishes:

- 059** Polished Brass
- 063** Polished Chrome
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.332</b> | 102 x 76 x 3                     | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.333</b> | 127 x 76 x 3                     | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.334</b> | 102 x 102 x 3                    | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.335</b> | 114 x 102 x 3.5                  | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.336</b> | 127 x 102 x 4                    | 1¼ x 14                              | Brass | 10   | 120                                 | 13              |
| <b>89.337</b> | 152 x 102 x 4                    | 1¼ x 14                              | Brass | 10   | 120                                 | 13              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Double Ball Bearing Hinges With Finials.

Double ball bearing hinge with stainless steel fixed pin, two thrust bearing and finials at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

#### Standard Finishes:

- 059** Polished Brass
- 068** Gold Plated
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.324</b> | 102 x 76 x 3                     | 1¼ x 12                              | Brass | 8    | 80                                  | 11              |
| <b>89.325</b> | 102 x 102 x 3                    | 1¼ x 12                              | Brass | 8    | 80                                  | 11              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Four Ball Bearing Hinges With Finials

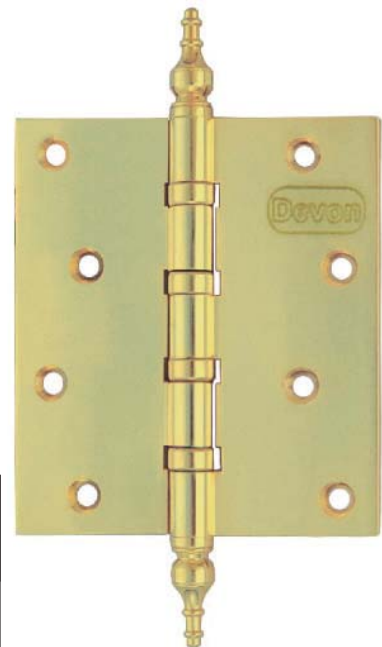
Four ball bearing hinge with stainless steel fixed pin, four thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

#### Standard Finishes:

- 059** Polished Brass
- 068** Gold Plated
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.500</b> | 102 x 76 x 3                     | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.501</b> | 127 x 76 x 3                     | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.502</b> | 102 x 102 x 3                    | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.503</b> | 114 x 102 x 3.5                  | 1¼ x 12                              | Brass | 8    | 80                                  | 12              |
| <b>89.504</b> | 127 x 102 x 4                    | 1¼ x 12                              | Brass | 10   | 120                                 | 13              |
| <b>89.505</b> | 152 x 102 x 4                    | 1¼ x 14                              | Brass | 10   | 120                                 | 13              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer

### Brass Parliament Hinges

With brass pin

- Available with congruent (zig zag) screw holes)

#### Standard Finishes:

- 059** Polished Brass
- 063** Polished Chrome
- 068** Gold Plated
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |       |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|-------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type  | Qty. |                                     |                 |
| <b>89.399</b> | 102 x 76 x 127 x 4               | 1¼ x 12                              | Brass | 8    | 60                                  | 10              |
| <b>89.400</b> | 102 x 102 x 152 x 4              | 1¼ x 12                              | Brass | 8    | 60                                  | 10              |

Weight capacity is based on three hinges per door

### Concealed Hinges

Concealed hinges with stainless steel links and pins.

- Available with congruent (zig zag) screw holes

#### Standard Finishes:

- 061** Satin Chrome
- 059** Polished Brass
- 063** Polished Chrome
- 078** Antique Brass

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|
|               |                                  | Size                                 | Type | Qty. |                                     |
| <b>89.360</b> | 70 x 16                          | 1¼ x 8                               | NP   | 4    | 18                                  |
| <b>89.361</b> | 95 x 19                          | 1¼ x 10                              | NP   | 4    | 25                                  |
| <b>89.362</b> | 117.5 x 25.5                     | 1¼ x 12                              | NP   | 4    | 60                                  |
| <b>89.363</b> | 140 x 35                         | 1¼ x 12                              | NP   | 4    | 60                                  |

Weight capacity is based on three hinges per door



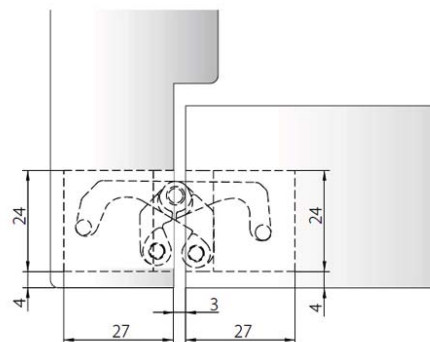
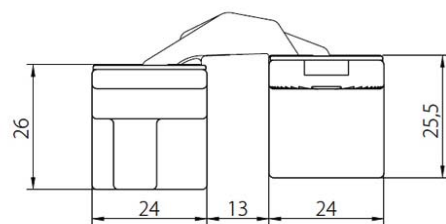
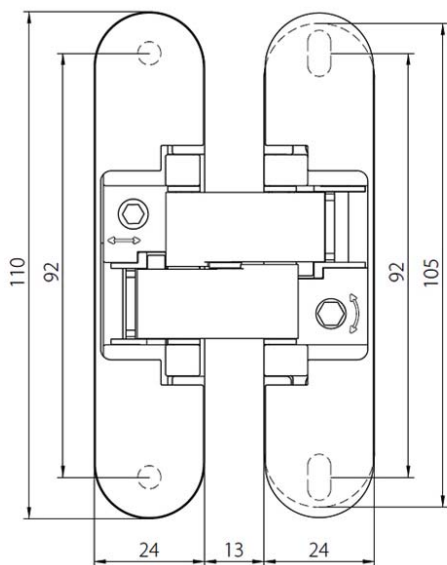
**3D Adjustable Concealed Hinge**

**DATA AND FEATURES**

- 3D Adjustable
- 60 Min fire rated
  
- **Load Capacity**
  - 2 hinges : 80kg
  - 3 hinges : 110kg
  
- **Dimensions**
  - Height : 110mm
  - Width : 24mm
  - Opening Angle : 180°
  
- **Finishes**
  - 062 : Satin Nickel
  - 060 : Polished Nickel
  - 061 : Saint Chrome
  - 063 : Polished Chrome
  - 025 : Bronze Plated



**89.367**



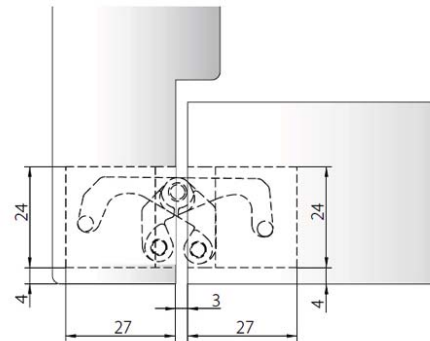
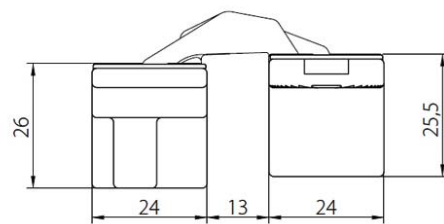
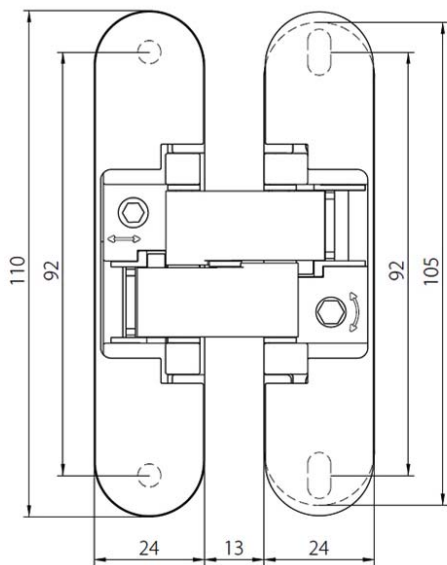
**3D Adjustable Concealed Hinge**

**DATA AND FEATURES**

- 3D Adjustable
- **Load Capacity**
  - 2 hinges : 60kg
  - 3 hinges : 80kg
- **Dimensions**
  - Height : 110mm
  - Width : 24mm
  - Opening Angle : 180°
- **Finishes**
  - 062** : Satin Nickel
  - 060** : Polished Nickel
  - 061** : Saint Chrome
  - 063** : Polished Chrome
  - 025** : Bronze Plated



**89.368**



### Aluminium Washered Hinges

Durable hinges with stainless steel pin and double stainless steel washers

#### Standard Finishes:

- 021 Silver Anodized
- 022 Polished Silver Anodized

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) | EN1634<br>Grade |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type | Qty. |                                     |                 |
| <b>89.298</b> | 102 x 76 x 4                     | 1¼ x 12                              | S/S  | 8    | 60                                  | 10              |

Weight capacity is based on three hinges per door

### Double Action Spring Hinge

- Door opens in either direction
- Spring tension is adjustable

#### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes upon request.



| Code          | Height | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) |
|---------------|--------|--------------------------------------|------|------|-------------------------------------|
|               |        | Size                                 | Type | Qty. |                                     |
| <b>86.250</b> | 100 mm | 1¼ x 10                              | S/S  | 8    | 30                                  |
| <b>86.251</b> | 125 mm | 1¼ x 10                              | S/S  | 8    | 40                                  |
| <b>86.252</b> | 150 mm | 1¼ x 10                              | S/S  | 8    | 50                                  |

Weight capacity is based on three hinges per door.

The center hinge should be installed approximately 250 mm from top hinge for maximum support.

### Stainless Steel Double Ball Bearing Hinges

High quality hinge with stainless steel fixed pin, 2 thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Suitable for fire rated doors, comply with EN1634
- Successfully included in fire door test upto 120 minutes
- Available with security dog bolt upon request.

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 078** Antique Brass
- 101** PVD

Other finishes upon request.



| Code          | Length x Width x Thickness<br>MM | Screws per hinge<br>Countersunk Head |      |      | Effective<br>Door<br>Weight<br>(Kg) | EN1935<br>Grade |
|---------------|----------------------------------|--------------------------------------|------|------|-------------------------------------|-----------------|
|               |                                  | Size                                 | Type | Qty. |                                     |                 |
| <b>89.338</b> | 102 x 76 x 3                     | 1¼ x 10                              | S/S  | 8    | 80                                  | 11              |
| <b>89.339</b> | 102 x 102 x 3                    | 1¼ x 10                              | S/S  | 8    | 80                                  | 11              |
| <b>89.340</b> | 114 x 102 x 3.4                  | 1¼ x 12                              | S/S  | 8    | 120                                 | 13              |
| <b>89.341</b> | 114 x 114 x 3.4                  | 1¼ x 12                              | S/S  | 8    | 120                                 | 13              |

Weight capacity is based on three hinges per door

Add one more hinge on the door installed with overhead door closer



1121-CPR-5098

EN 12209:2003/AC 2005



### Mortise Cylinder Lockcase

- Stainless steel latchbolt and dead bolt
- Center : 72 mm
- Deadbolt : 2 Turn
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003
- EN Classification: 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 8 | 1 | 0 | G | 3 | B | C | 2 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

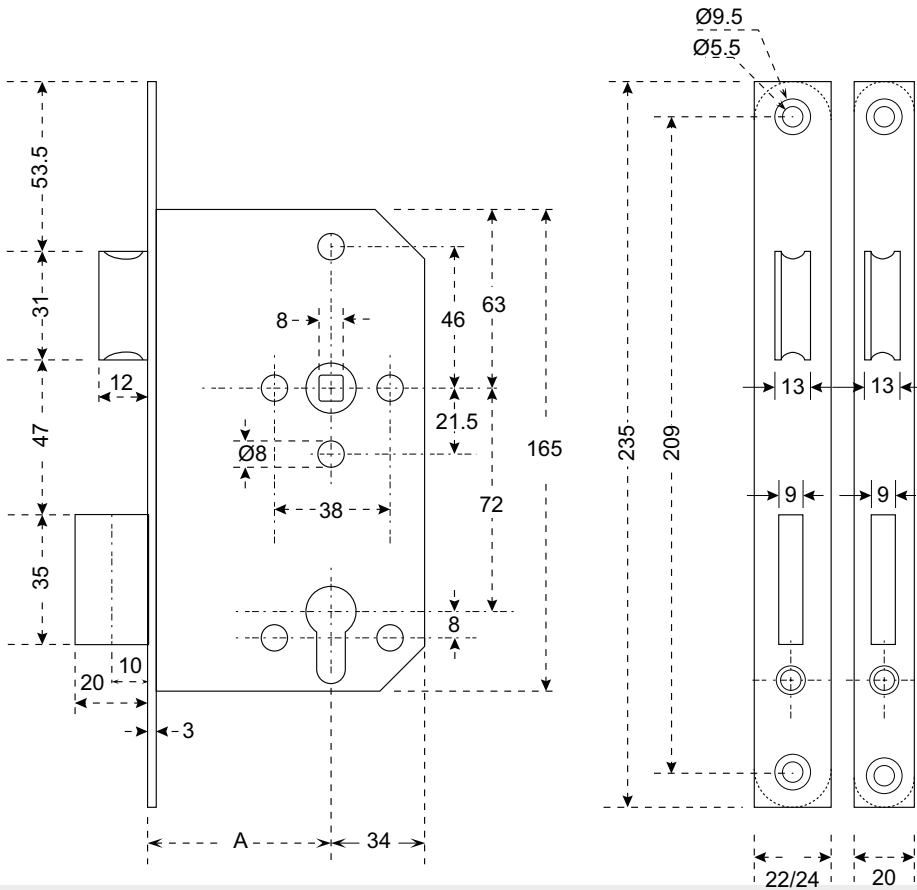
#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.750** - 55 mm backset

**88.760** - 60 mm backset





1121-CPR-5098

EN 12209:2003/AC 2005



### Mortise Latchcase

- Stainless steel latchbolt
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Standard: Certified to EN12209:2003
- EN classification 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 8 | 1 | 0 | G | - | B | 0 | 2 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

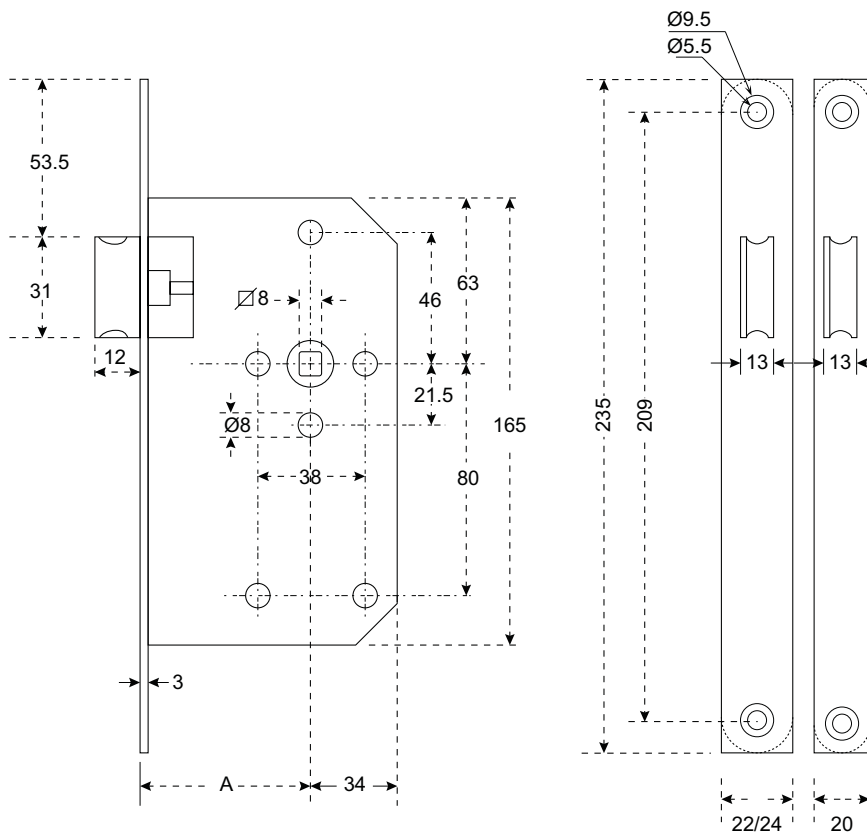
#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.751** - 55 mm backset

**88.761** - 60 mm backset





1121-CPR-5099

EN 12209:2003/AC 2005



### Mortise Dead Lockcase

- Stainless steel deadbolt
- Deadbolt : 2 turn
- Forend : Round or rectangle, stainless steel
- Standard: Certified to EN12209:2003
- EN classification 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 8 | 1 | 0 | G | 3 | B | C | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

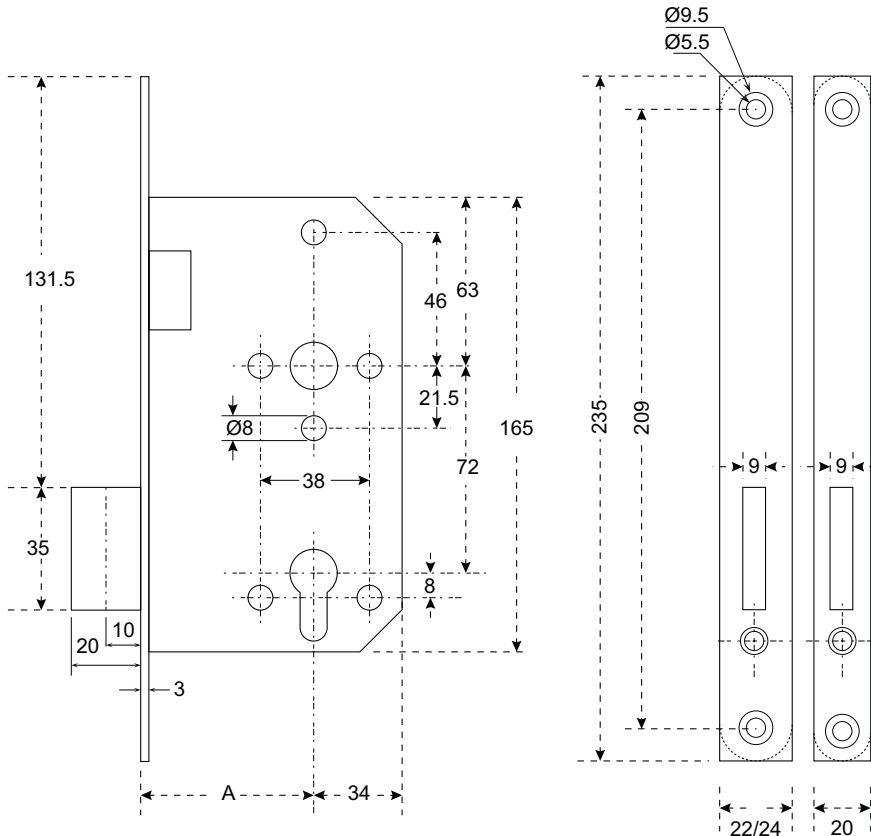
#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.752** - 55 mm backset

**88.762** - 60 mm backset





**Mortise Bathroom Lockcase**

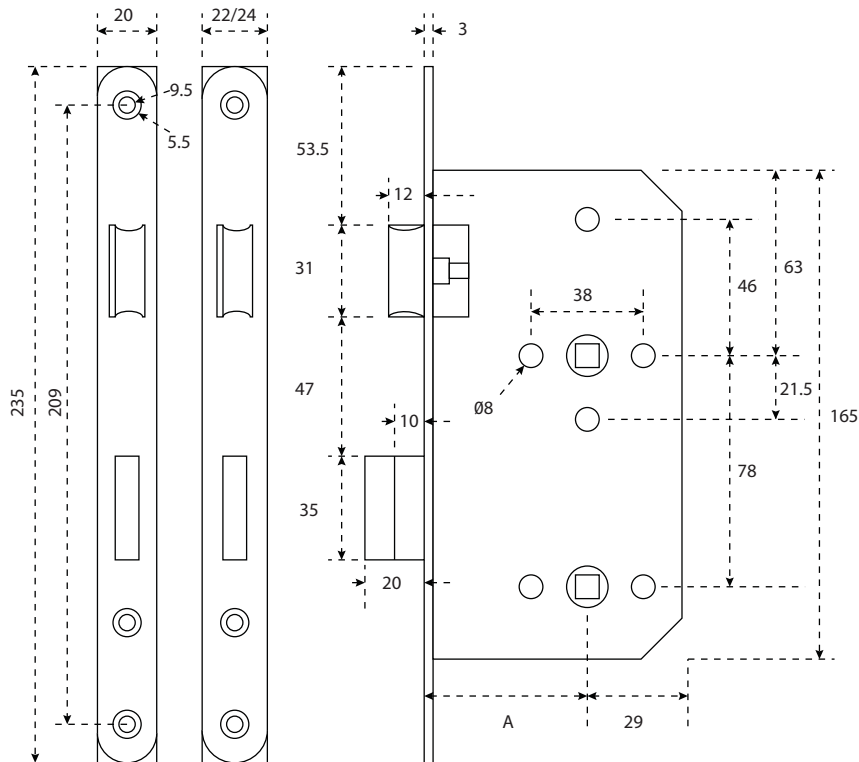
- Heavy duty spring mechanism, suitable for non-sprung level furniture.
- Stainless steel deadbolt
- Deadbolt : 2 turn
- Centers : 78mm
- Backset : 55mm(standard), 60mm upon request
- Latch and dead bolt spindle 8 x 8mm
- Front plate rectangular as standard.  
Rounded front plate available upon order
- Standard: EN12209:2003
- Easy reversible latch bolt - without tampering with lock mechanism.

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.753** - 55 mm backset  
**88.763** - 60 mm backset





EN 12209:2003



**Rollerbolt lock case**

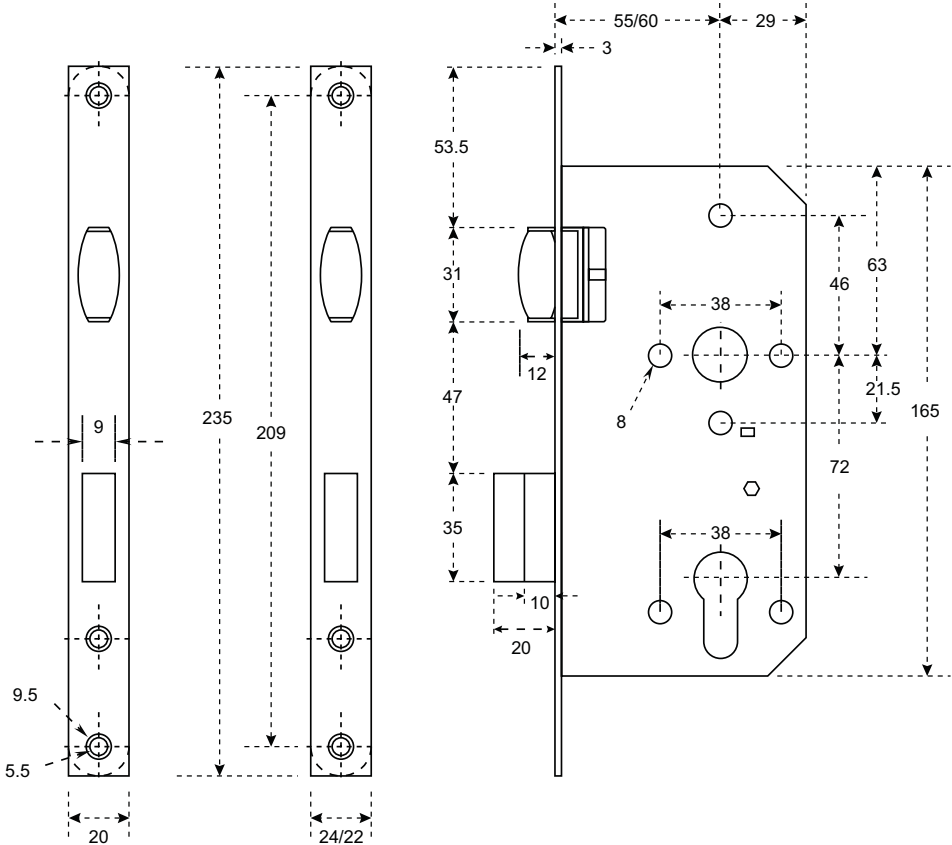
- Standard : EN12209:2003
- Forend : Stainless steel rectangular, optional rounded
- Rollerbolt : Stainless steel
- Deadbolt : Stainless steel, 2 turn
- Cylinder : Euro profile
- Centers : 72mm
- Bracket 55mm standard, optional 60mm

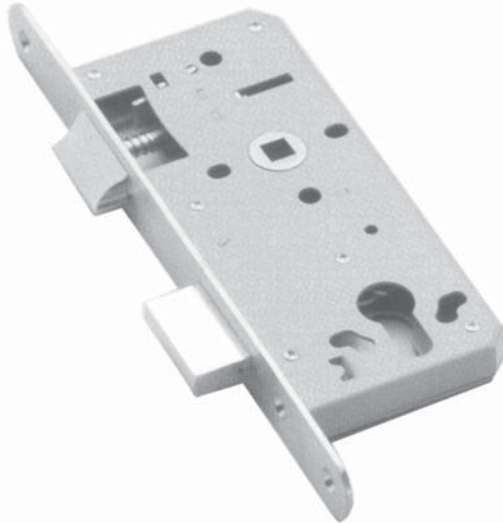
**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.754**





88.803

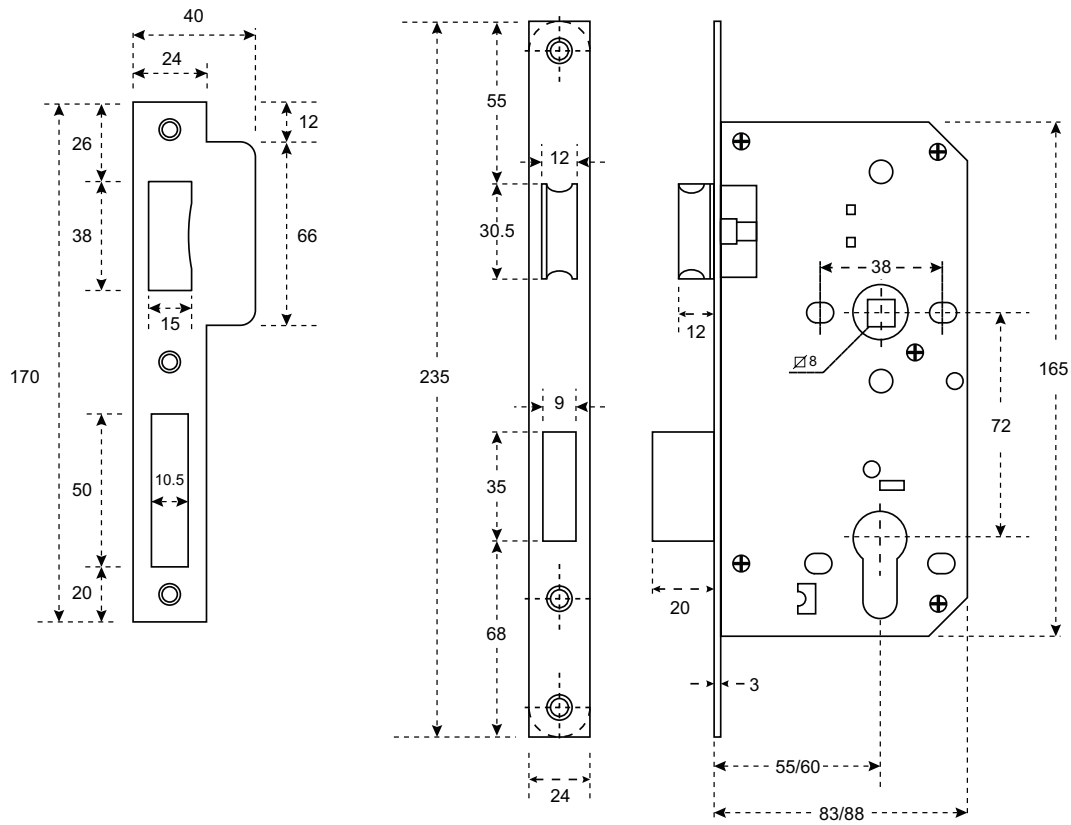
### Mortice Project Lock

- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Two turn dead bolt extension
- Centers 72 mm (Bathroom 78 mm)
- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Key action on latch bolt.
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

### Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.





88.803B

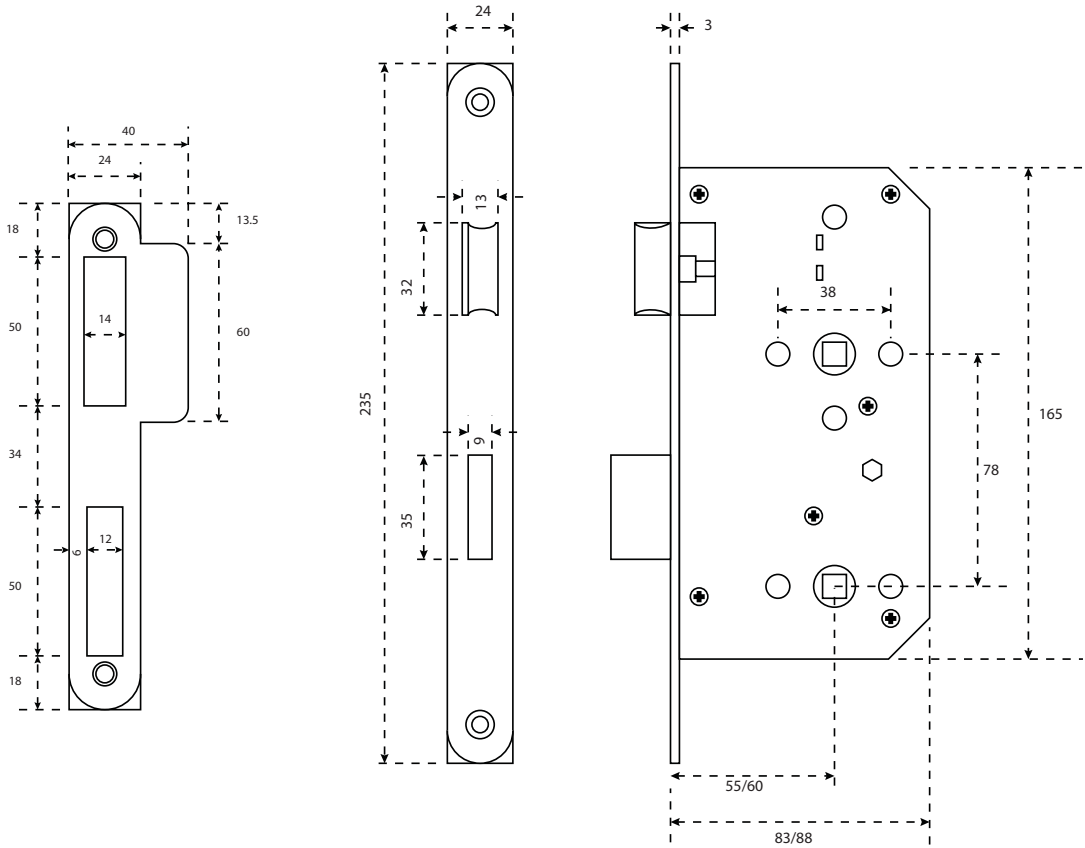
**Mortice Bathroom Lock**

- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Two turn dead bolt extension
- Centers 78 mm
- Backset 55 mm (Standard)
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.



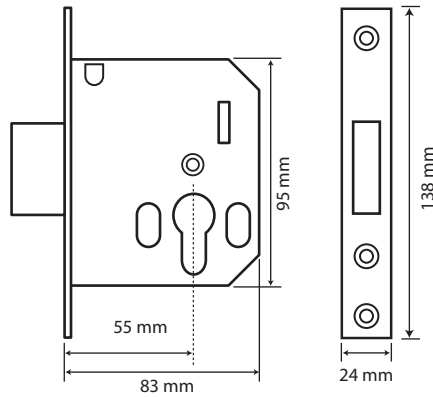
88.803B



**88.803D**

### Mortice Dead Lock

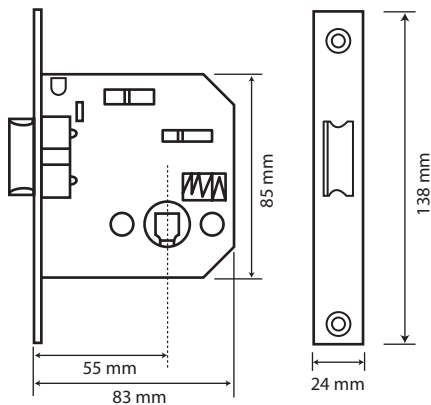
- Euro Profile Cylinder Operation
- Backset 55 mm
- Two turn bolt extension
- Forend 24 x 138 mm



**88.803F**

### Mortice Latch

- Balanced spring mechanism, suitable for both sprung and unprung lever Furniture for long life Operation.
- Easy reversible latch
- Backset 55 mm
- Forend 24 x 138 mm
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.



### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass

Other finishes upon request.



EN 12209:2003/AC 2005



**88.803.55** - 55mm backset  
**88.803.60** - 60mm backset

### Mortice Project Lock

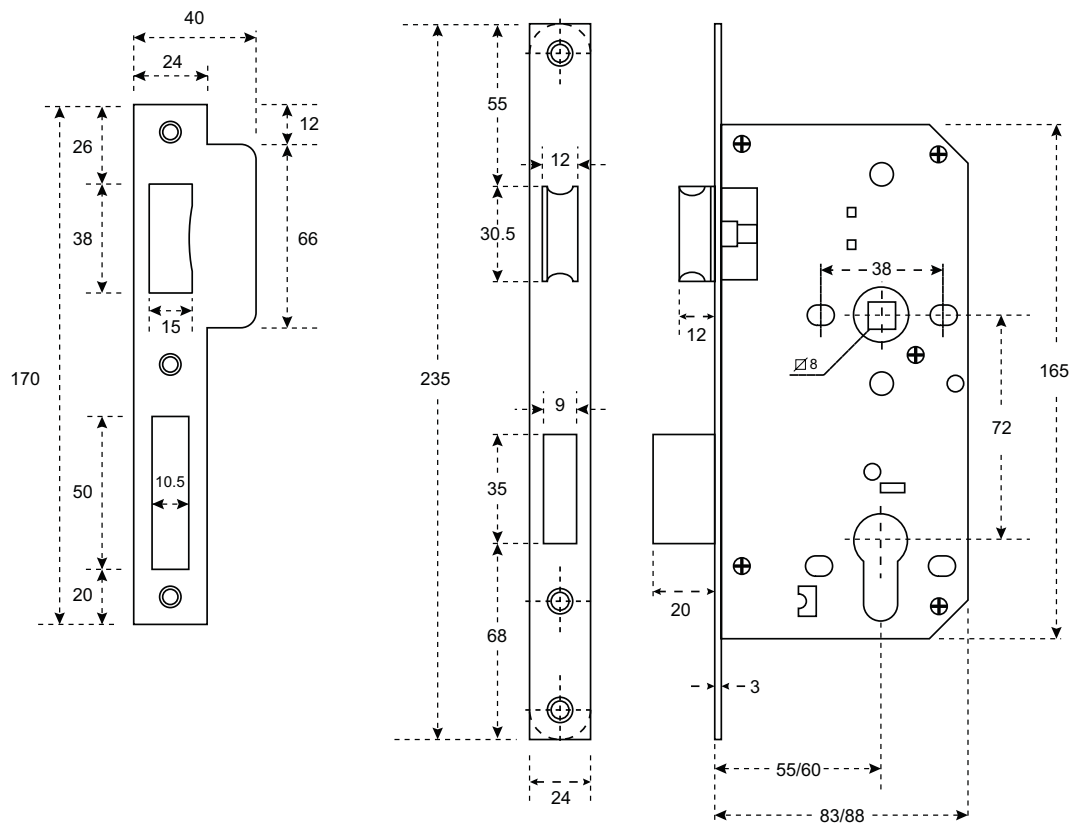
- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Two turn dead bolt extension
- Centers 72 mm (Bathroom 78 mm)
- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Key action on latch bolt.
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Fire tested to 120 minutes according to EN 1634-1, 2014
- Tested to EN12209:2003/AC2005
- CE marked
- Stainless steel latch and dead bolt
- EN classification 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 9 | 1 | 0 | G | 3 | B | C | 2 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.





Fire rated  
120 minutes

EN 12209:2003/AC 2005



**88.803B.55** - 55mm backset  
**88.803B.60** - 60mm backset

### Mortice Bathroom Lock

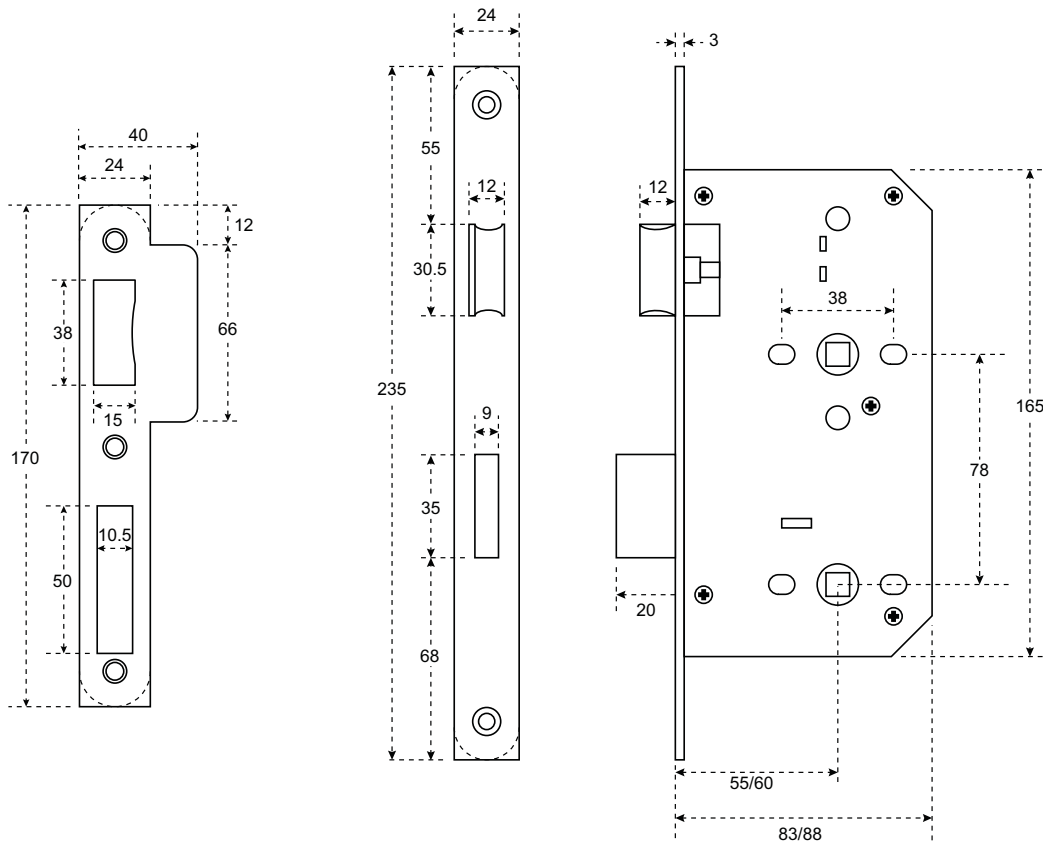
- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Two turn dead bolt extension
- Centers 78 mm
- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Fire tested to 120 minutes according to EN 1634-1, 2014
- Tested to EN12209:2003/AC2005
- CE marked
- Stainless steel latch and dead bolt
- EN classification 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 9 | 1 | 0 | G | - | B | 0 | 2 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.





EN 12209:2003/AC 2005



**Mortice Dead Bolt**

- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard.  
Rounded front plate available upon order
- Fire tested to 120 minutes according to EN 1634-1, 2014
- Tested to EN12209:2003/AC2005
- CE marked
- Stainless steel dead bolt
- EN classification 

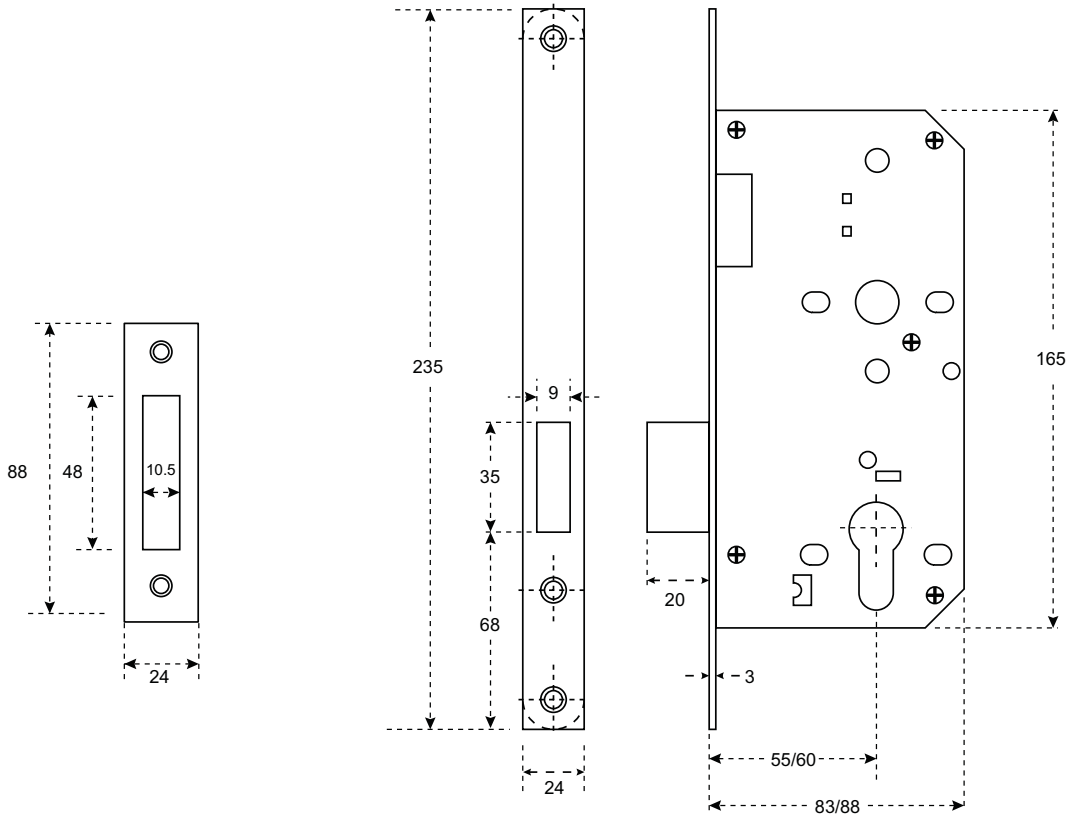
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 9 | 1 | 0 | G | 3 | B | C | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.803DL.55** - 55mm backset  
**88.803DL.60** - 60mm backset





Fire rated  
120 minutes

EN 12209:2003/AC 2005



**88.803FL.55** - 55mm backset  
**88.803FL.60** - 60mm backset

### Mortice Latch Lock

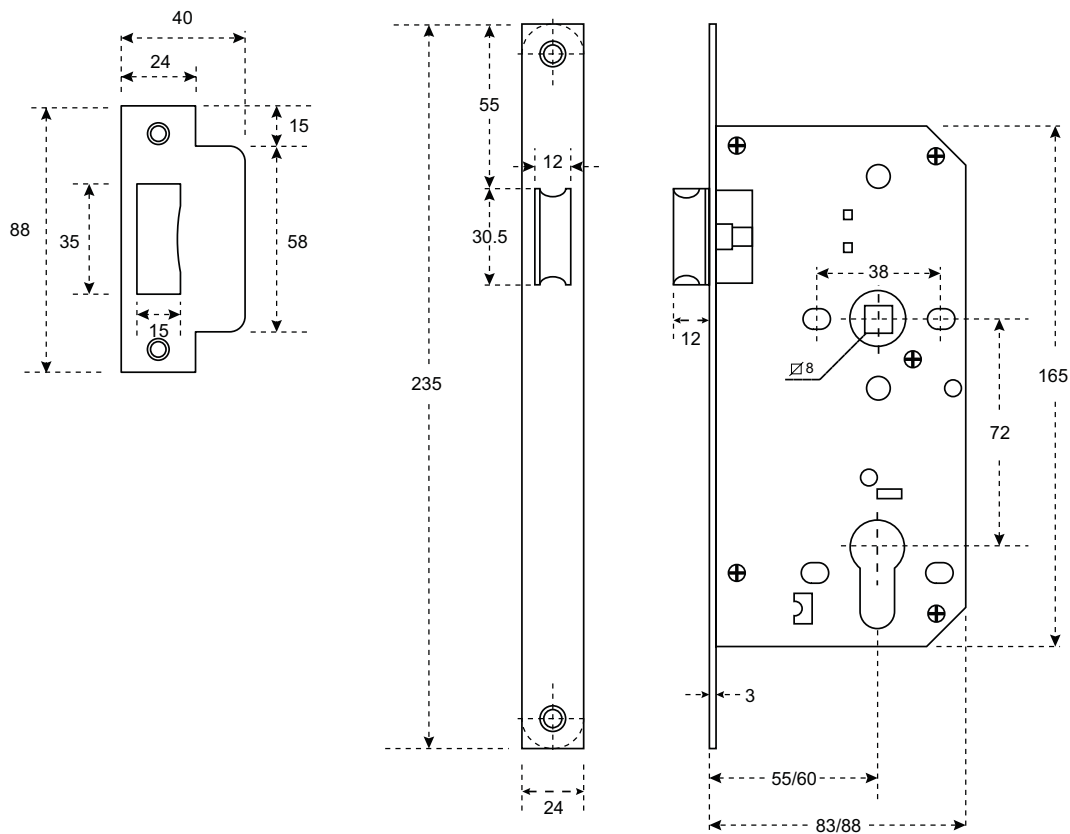
- Heavy duty spring mechanism, suitable for non - sprung level furniture.
- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard. Rounded front plate available upon order
- Fire tested to 120 minutes according to EN 1634-1, 2014
- Tested to EN12209:2003/AC2005
- CE marked
- Stainless steel latch
- EN classification 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 9 | 1 | 0 | G | - | B | 0 | 2 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

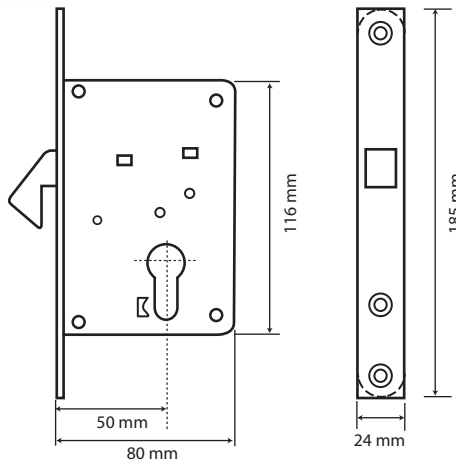




### Mortice Sliding Door Locks



88.471



- Cylinder operated mortice lock for sliding doors.
- 50 mm Backset
- Solid brass hook
- Forend 24 x 185 mm

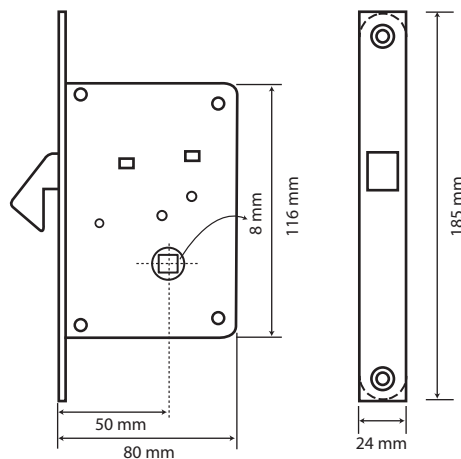
**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass

Other finishes upon request.



88.472



- Privacy function mortice lock for sliding doors.
- 50 mm Backset
- 8 mm square spindle holes
- Solid brass hook
- Forend 24 x 185 mm

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass

Other finishes upon request.

### Mortice Locks

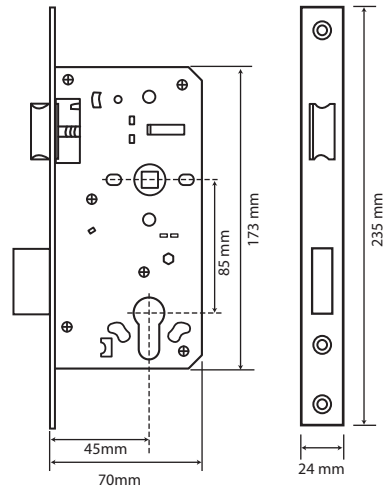


88.417

- Heavy spring mechanism, suitable for non-sprung lever furniture.
- Two turn dead bolt extension
- Centers 85 mm
- Backset 45 mm
- Front plate 24 x 235 mm
- Easy reversible latch - without tampering with lock mechanism.
- Solid brass latch and dead bolt
- Solid brass front plate

#### Standard Finishes:

- 059 Polished Brass
- 068 Gold Plated





1121-CPR-5098  
EN 12209:2003/AC 2005



### Mortise Cylinder Lockcase

- Stainless steel latchbolt and dead bolt
- Center : 85 mm
- Deadbolt : 2 Turn
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003
- EN Classification: 

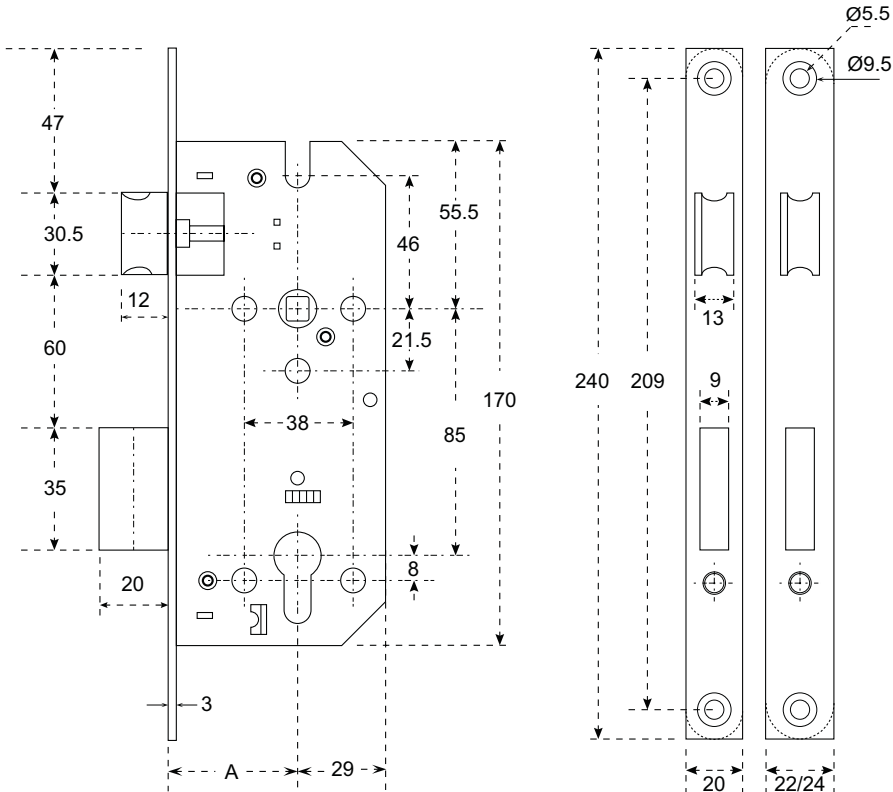
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | X | 8 | 1 | 0 | G | 3 | B | C | 2 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

- 88.851** - 45 mm backset
- 88.852** - 55 mm backset
- 88.853** - 60 mm backset



EN 12209:2003/AC 2005



0407-CPR-1004



### Mortise Cylinder Lockcase

- Heavily sprung for lever handles
- Center : 72 mm
- 60mm backset
- Deadbolt : 2 turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

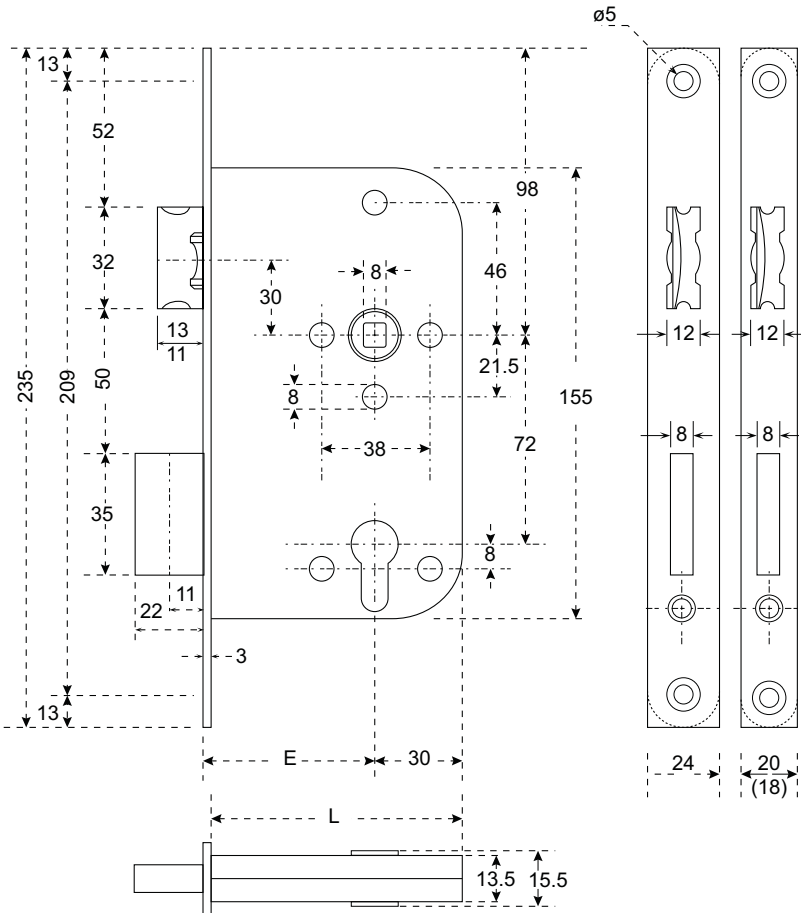
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | C | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.100**



EN 12209:2003/AC 2005



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### Mortise Latchcase

- Heavily sprung for lever handles
- 60mm backset
- Forend : Round or rectangle, stainless steel
- Reversible latch
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

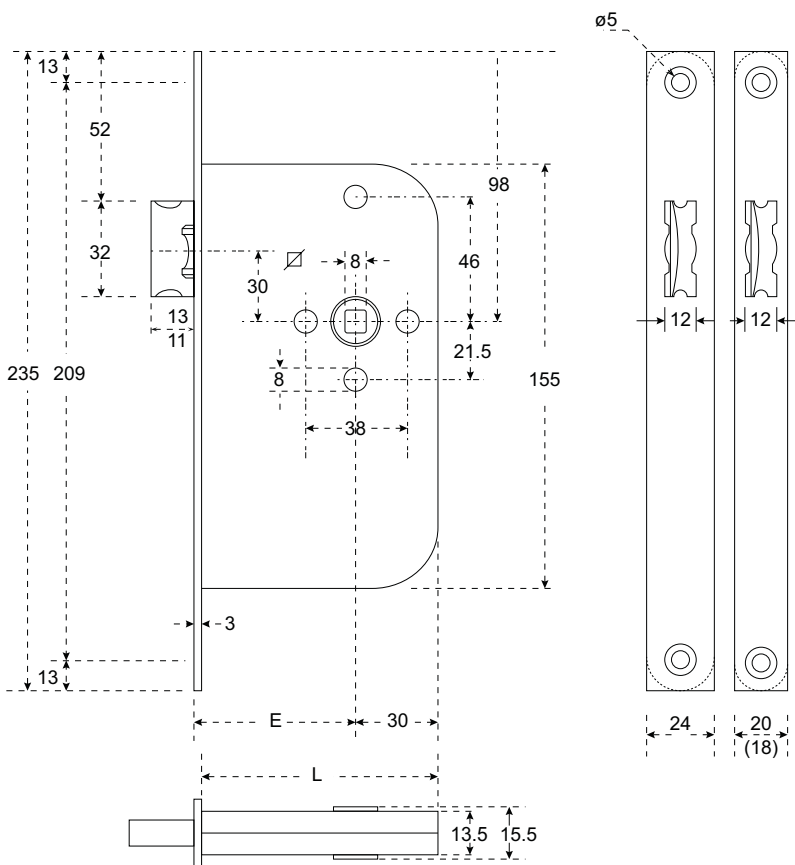
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | D | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.101**





EN 12209:2003/AC 2005



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### Mortise Privacy Deadlock

- 60mm backset (other backset available upon request)
- Deadbolt : 2 turn
- Forend : Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 

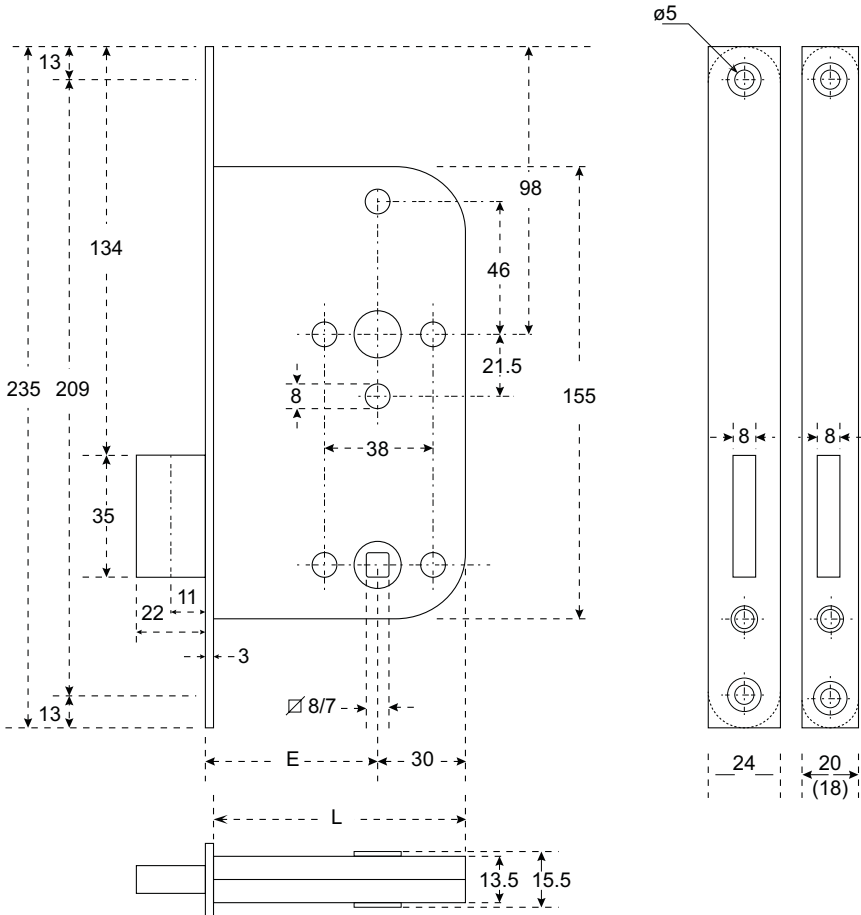
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | D | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

88.102W



EN 12209:2003/AC 2005



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### Mortise Privacy Lock

- Heavily Sprung for lever handles
- Center : 78mm
- 60mm backset (other backset available upon request)
- Deadbolt : Single turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 

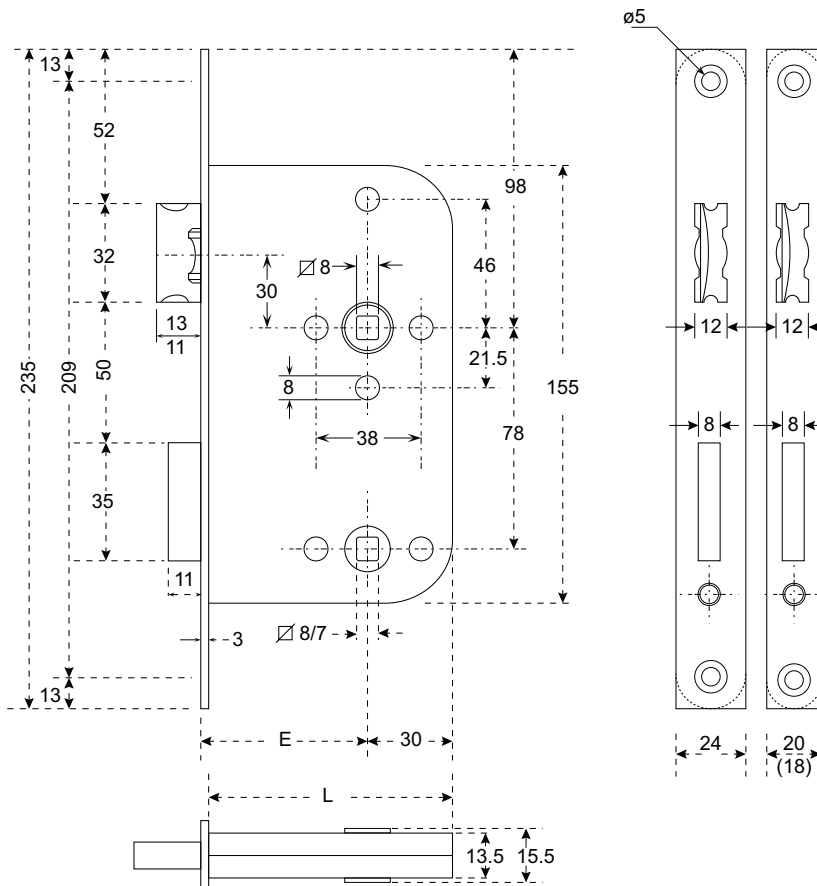
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | D | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

#### Standard Finishes:

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.103**







EN 12209:2003/AC 2005



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### Mortise Cylinder Night Latch

*Outside function :*

Fixed knob or pull, latch bolt retracted by turning the key.

*Inside function :*

Latch bolt operated by lever handle or turning the key.

- Heavily Sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Dead locking Reversible Latch with auxiliary pin
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8 mm
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

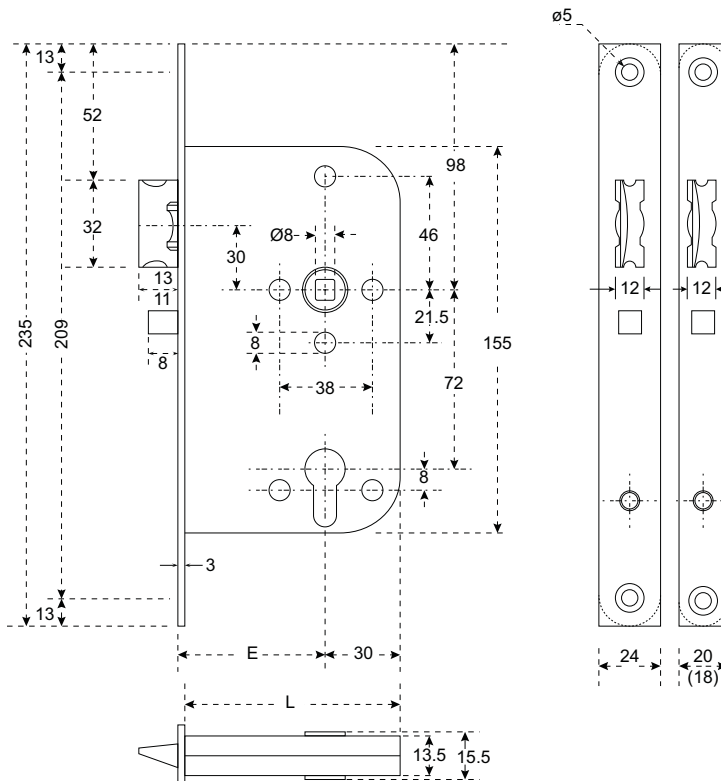
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | A | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.105**



**Require single side spindle**  
Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



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**Mortise Cylinder Night Latch**

*Outside function :*  
Fixed knob or pull, latch bolt retracted by turning the key.  
*Inside function :*  
Latch bolt operated by lever handle or turning the key.

- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8mm
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

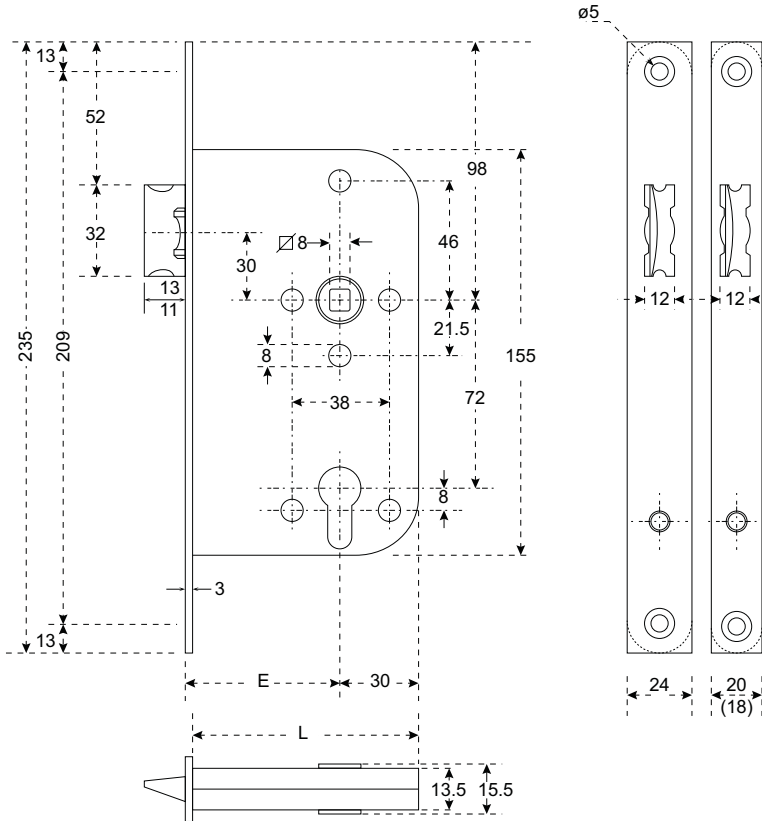
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | A | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.106**



**Require single side spindle**  
Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



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**88.107**

**Panic Exit Cylinder Lock**

*Outside Function:*

Fixed knob or pull, key operate latch and deadbolt

*Inside Function:*

Lever handle withdraw latch and deadbolt simultaneously.

Key operate deadbolt.

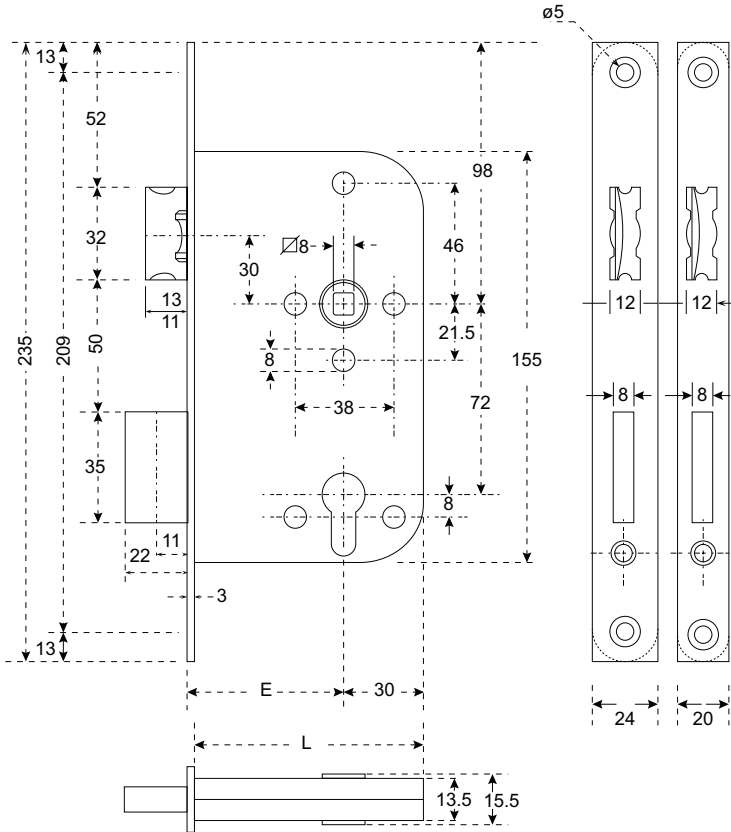
- Heavily sprung for lever handles
- Reversible latch
- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | C | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.



**Require single side spindle**  
Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



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### Panic Exit Cylinder Deadlock

*Outside Function:*

Fixed knob or pull, key operate deadbolt

*Inside Function:*

Lever handle withdraw deadbolt. Key operate deadbolt.

- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

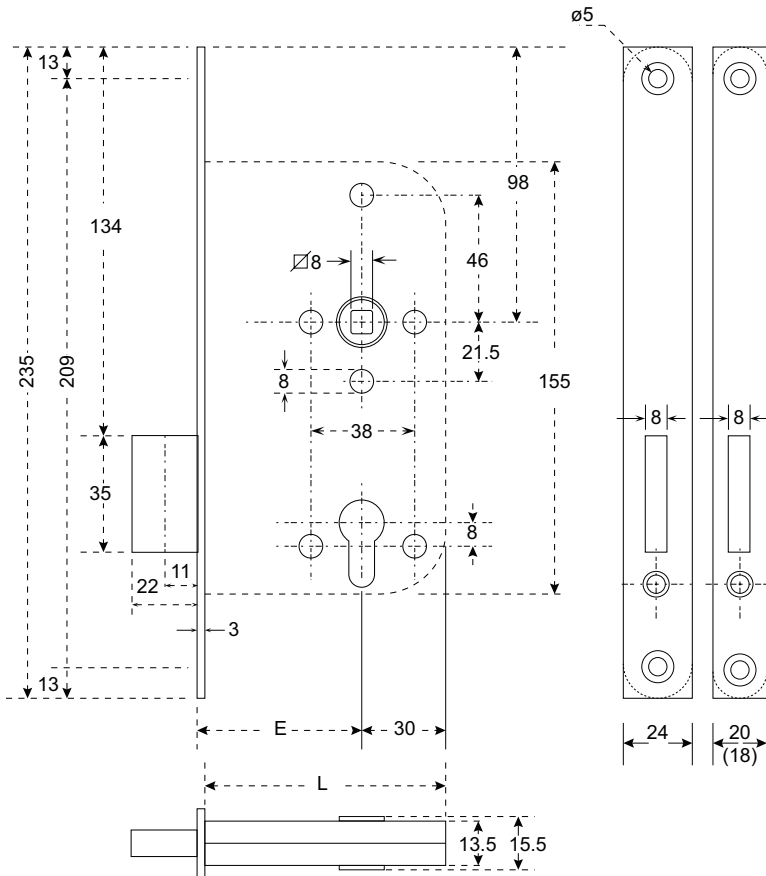
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | C | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.107D**



**Require single side spindle**  
Finish : Galvanized steel

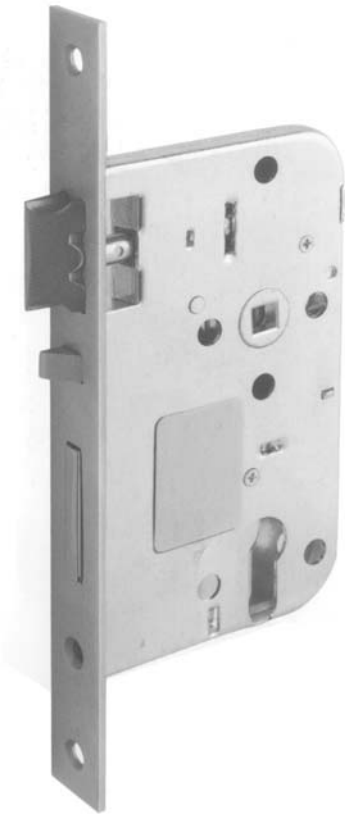


**99.003.007**

EN 12209:2003/AC 2005



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**Panic Exit Cylinder Lock with Dead Locking Latch**

*Outside Function:*

Fixed knob or pull, key operate latch and deadbolt

*Inside Function:*

Lever handle withdraw latch and deadbolt simultaneously.

Key operate deadbolt.

- Heavily sprung for lever handles
- Dead locking latch bolt with auxiliary pin
- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

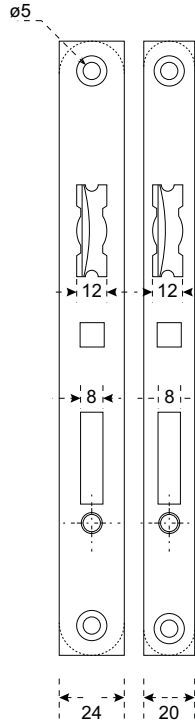
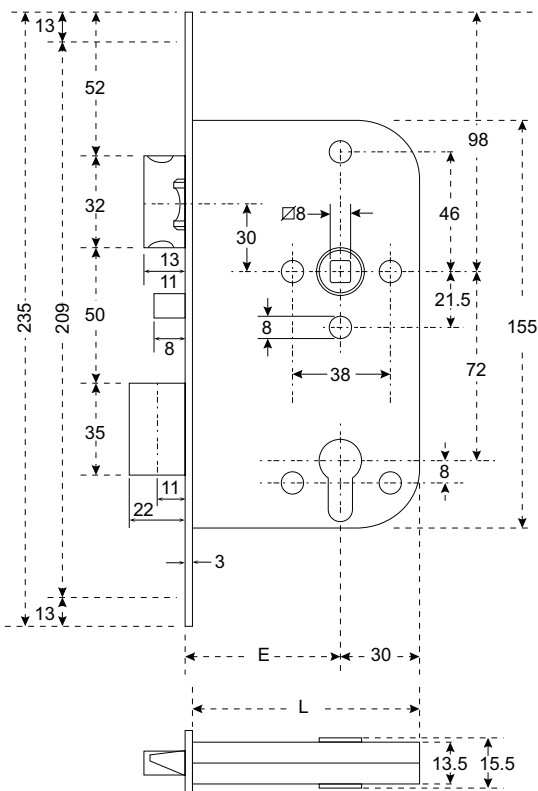
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | C | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.108**



**Require single side spindle**  
Finish : Galvanized steel



**99.003.007**

EN 12209:2003/AC 2005



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**88.109R** - Right hand  
**88.109L** - Left hand

### Panic Exit Cylinder Lock

*Outside Function:*

Lever handle operate latch and key operate dead bolt.

*Inside Function:*

Lever handle withdraw latch and deadbolt simultaneously.  
Key operate deadbolt.

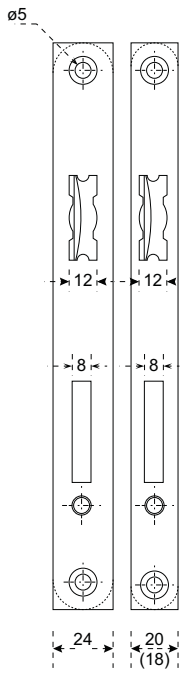
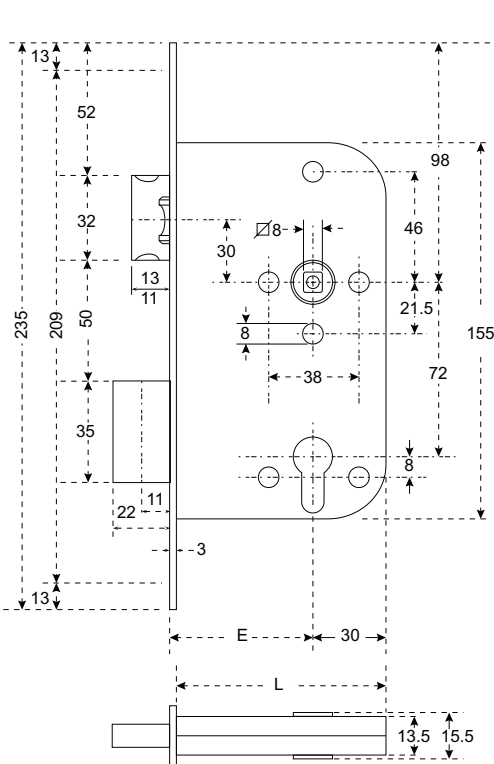
- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Dead locking reversible latch with auxiliary pin
- Handed (Specify Right Hand/Left Hand)
- Forend : Round or rectangle, stainless steel
- Split lever followers with 6.5mm dividing aperture
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | C | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.



**Require split spindle**  
Finish : Galvanized steel



**99.004.007**

EN 12209:2003/AC 2005



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**88.110 R - Right Hand**  
**88.110 L - Left Hand**

### Mortise Cylinder Classroom Lock

*Outside Function:*

Latch bolt retracted by lever except when outside lever is blocked by turning key.

*Inside Function:*

Latch bolt operated by lever handle or turning the key.

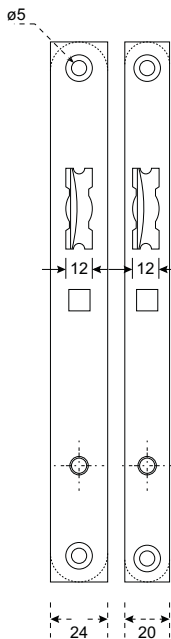
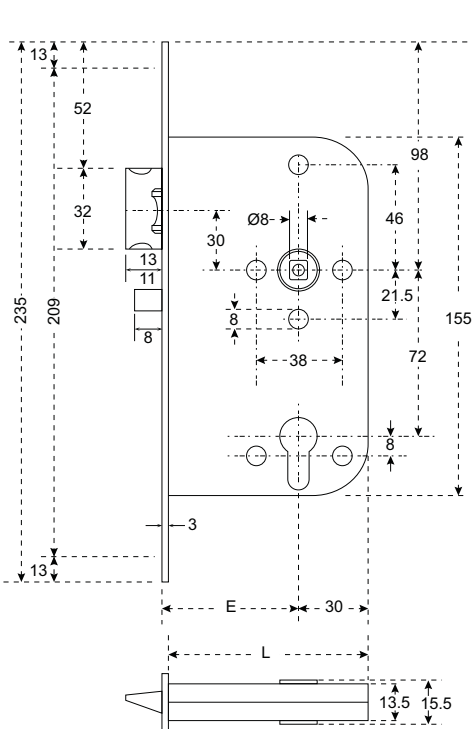
- Heavily sprung for lever handles
- Center : 72 mm
- 60mm backset (other backset available upon request)
- Dead locking handed latch with auxiliary pin
- Split follower with 6.5mm aperture
- Forend : Round or rectangle, stainless steel
- Spindle: Split 8 x 8 mm
- Bolt through fixing holes at 38mm for lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 

|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | A | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.



**Require split spindle**  
Finish : Galvanized steel



**99.004.007**





**Mortise Cylinder Lockcase**

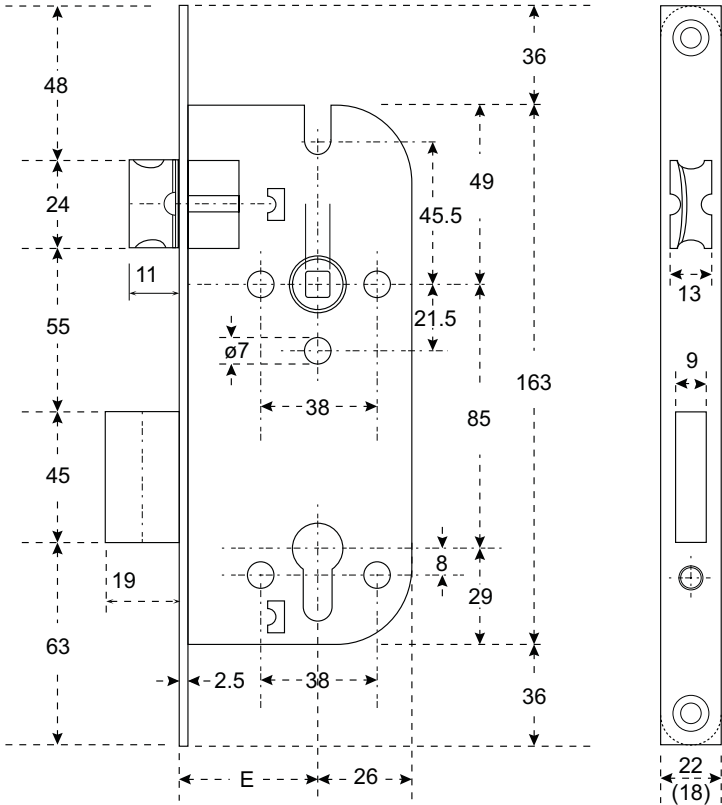
- Heavily sprung for lever handles
- Center : 85 mm
- 55 mm backset (other backset available upon request)
- Deadbolt : 2 turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8 mm

**Standard Finishes:**

- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

**88.418**



EN 12209:2003/AC 2005



0407-CPR-1004



### Mortise Cylinder Lockcase with reinforced three sectional Deadbolts

- Heavily sprung for lever handles
- Center : 72mm
- 60mm backset (other backset available upon request)
- Deadbolt : 3 reinforced sectional bolts, two turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8mm
- Certified to EN12209:2003/AC2005
- EN Classification: 

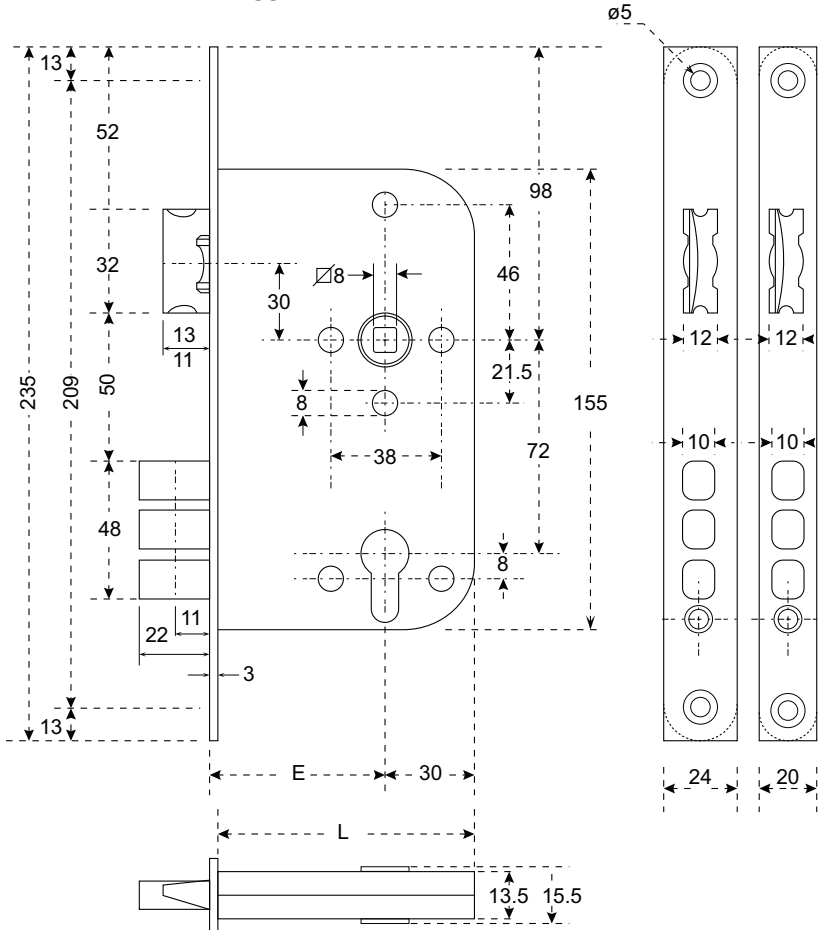
|   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | C | 5 | 1 | 0 | F | 4 | H | C | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

**Standard Finishes:**

- 086** Satin Stainless Steel
- 087** Polished Stainless Steel
- 059** Polished Brass
- 078** Antique Brass

Other finishes upon request.

88.474



### CYLINDERS

Range of quality cylinders. These cylinder offer a high degree of security and effectively protect the property in which they are used.

- Extruded solid brass body. Plug and mushroom anti-pick pins.
- Self lubricating cam from sintered steel.
- Springs made from special treated bronze for lasting tension.
- Supplied with 5 pins as standard.
- Available with 6 pins on request.
- All Cylinders supplied with 3 keys.
- Option of master keying systems to suit customer's requirements.
- Complies with DIN 18254.



**88.500**  
Double Cylinder

Standard size 60 mm  
Other lengths to order  
in 5 mm increments.



**88.501**  
Knob Cylinder

Standard size 60 mm  
Other lengths to order  
in 5 mm increments.



**88.502**  
Single Cylinder

Standard size 45mm  
Other lengths to order  
in 5 mm increments.



**88.503**  
Privacy Cylinder

Standard size  
60mm & 70mm



**88.504**  
Single Knob Cylinder



**Padlocks**  
with hardened shackle

- Shackle height 28mm - **88.507A**
- Shackle height 48mm - **88.507B**
- Shackle height 64mm - **88.507C**
- Shackle height 90mm - **88.507D**



**88.506**  
Mortice Cylinder

### WEATHER PROTECTION COVERS

For protection of cylinders exposed to dust/rain



**88.505**  
Rim Cylinder



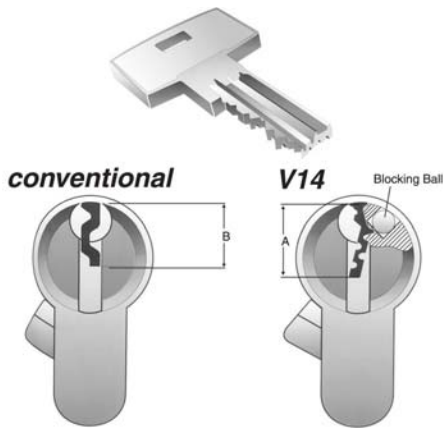
**88.901A**  
ABS Plastic - Metalized Chrome Bright



**88.901B**

### Standard Finishes:

- 062** Satin Nickel
- 059** Polished Brass



### HIGH SECURITY SYSTEM

- Can be used in all SAP locking cylinders.
- Copying of key blank is nearly made impossible by extremely complicated profile
- Sensing or pick-up devices become useless due to the bent shape of the profile groove
- A specially coded rib is sensed by the blocking ball and will block the lock in case of even the slightest deviation.
- Optimum utilisation of the 14mm core diameter provides greater useful width for wards of key bit (A>B)
- Anti-drilling safeguard provided as regular feature for all cylinders

To order high security V14 system, add V to the code of cylinder type required



**BSEN 1303**

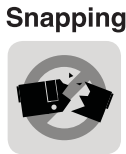


Kite marked

### HIGH SECURITY KITE MARK CYLINDER

- Wear resistant design
- Fire resistant
- Corrosion resistant
- Non duplicable keys

#### Protection against



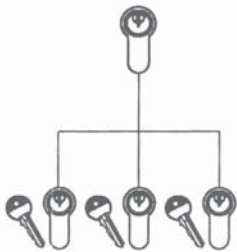
### KEYING SYSTEM

Cylinders can be supplied with various keying systems i.e.

- Central keying system for properties with common entrances.
- Master keying system.
- Grand master keying system.
- Great grand master keying system.

Central locking system

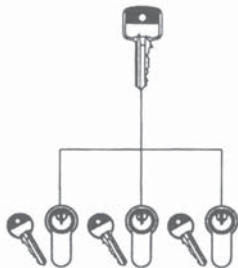
Common Entrance Door



Tenants keys

Master keying system

Master keys

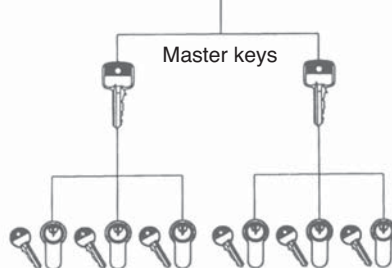


Individual keys

Grand master keying system

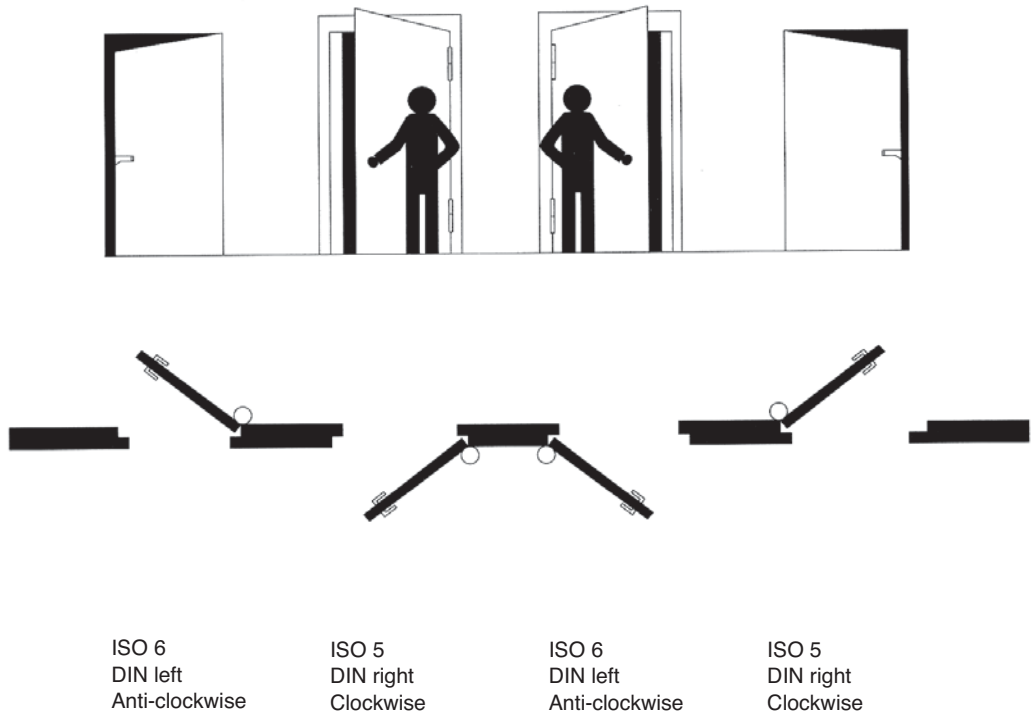
Grand Master keys

Master keys



Individual keys

The illustration given below is the nomenclature to determine handing of the fittings shown in this catalogue. We also give the ISO R1226 recommendation based on the closing direction together with a numerical symbol for the same.



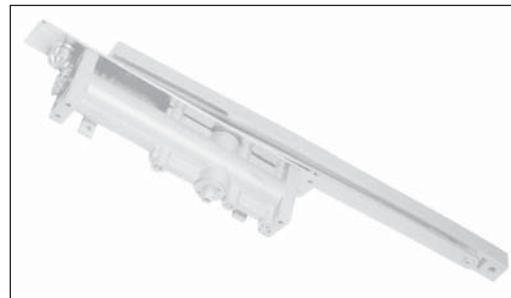
**Tip**

View the door from the side on which hinge knuckle is visible. If the hinges are mounted on the left hand side of the door, the door is said to be **left hand**. Conversely if the hinges are mounted on the right hand side of the door, it is designated **right hand**.

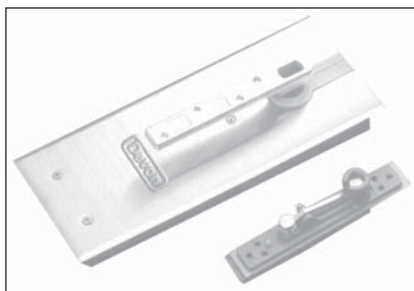


DEVON offers a choice of Architectural door closers available with a high quality, design and finish. DEVON hydraulic door closers and floor springs have successfully tested to the requirement of BS EN 1154 including for fire doors up to 240 minutes.

The choice of a complete suited product ranges from basic size 2/4, selectable to 2-5 with adjustable backcheck and delayed action. The body construction is made from extruded aluminum which gives the best starting point for bore roundness for the piston to operate for high efficiency and long working life.



DEVON Floor spring, constructed from cast iron with taper roller bearings, offer class leading load-bearing capacity for very large and heavy doors. DEVON's unique floor spring guidance system ensures that when used in double action, the door always returns to the central position even after years of use, a critical feature for fire doors. DEVON floor springs range offers load bearing capacity from standard 115 kg to 600 kg, the most heavy duty floor spring in the industry!



### Functions

#### Controlled Closing

Hydraulic control is accepted as the best means of controlling the closing speed of a mechanically operated door closer. The closing speed is controlled by regulating the return flow of oil with a control screw or similar device. A typical closing speed would be 5-7 seconds from 90° open.

#### Latching

Apart from the obvious need to close the door, it is important that the speed closing should ensure on the one hand that the door does not slam, and on the other, that it closes positively. The latching action accelerates closure through the last few degrees to overcome the resistance of a latch or seal.

#### Backcheck

The purpose of this function is to prevent the door leaf being thrown, kicked or, for external doors, blown wide open in such a manner that it damages the door leaf, door frame or adjoining walls and furniture. It is achieved by incorporating a hydraulic buffer within the door closer mechanism. The backcheck can be set to operate at a variable angle or variable resistance, or both.

#### Delayed closing

The delayed closing function allows the door leaf to remain open, for an adjustable period of time, before closing. It is used on doors frequently used by the elderly or handicapped or where trolleys and bulky goods are constantly being moved through a doorway. This function operates from 180° down to 70°. Typical delay periods of 20 seconds may be obtained between 90°-70°.

#### Mechanical hold open

This device allows the door to remain open at a pre-determined angle, usually 90°, with the same effect as a wedge under the door. It is normally achieved by incorporating a roller and cam mechanism into the armset. However it can be released only by hand. Mechanical hold open function should not be used on fire-resistant doors, because the door will remain open, if a fire should break-out.

**Size Selection Chart-BSEN 1154**

**Door mass/size**

Seven door mass / size grades and related door closer power sizes are identified according to BSEN 1154. Where a door closer provides a range of power sizes, both the minimum and the maximum sizes should be identified.

| Door Closer Power Size | Test door mass kg | Recommended door leaf width Max. mm |
|------------------------|-------------------|-------------------------------------|
| 1                      | 20                | 750                                 |
| 2                      | 40                | 850                                 |
| 3                      | 60                | 950                                 |
| 4                      | 80                | 1100                                |
| 5                      | 100               | 1250                                |
| 6                      | 120               | 1400                                |
| 7                      | 160               | 1600                                |

**Note:**

The door widths given are for standard installations. In the case of unusually high or heavy doors, windy or draughty conditions, or special installations, a larger power size of door closer should be used.

**FIRE DOORS**

We referred above to fire door assemblies which will require self closing devices. BS EN 1154 makes recommendations as to the closing forces considered necessary for such devices fitted to fire doors.

- a. The door closer, when installed in accordance with the manufacturer’s installation instructions, shall be capable of closing the test door from any angle to which it may be opened.
- b. Due to their low closing moments, door closers size 1 and 2 are not considered suitable for use on fire/smoke door assemblies. Door closers with adjustable closing force should be capable of adjustment to at least power size 3.
- c. The door closer should not include a hold open device unless it is an electrically powered device in accordance with EN 1155.
- d. Control regulators should be either concealed or operable only by means of a tool.
- e. The design of a door closer should be such that it is not possible to inhibit its closing action in any way without the use of a tool.
- f. Any incorporated delayed action function should be capable of adjustment to less than 25 seconds between the door closing angles of 120° and the end of the delay zone.
- g. The door closer representative of its model should have been incorporated in a door assembly that has satisfied the appropriate criteria of a fire test. The test should have been on a full sized assembly in accordance with EN 1634-1.

### Overhead Door Closer

Adjustable Spring Power 2-5



1121-CPR-AD5152

BSEN1154



86.214



with cover

Power adjustable/by spring

Tested EN 485113

#### DATA AND FEATURES

|                            |                     |          |
|----------------------------|---------------------|----------|
| Variable closing force     | Spring strength(EN) | 2 to 5   |
| Standard doors             | 850mm               | 45kg ✓   |
|                            | 950mm               | 60kg ✓   |
|                            | 1100mm              | 80kg ✓   |
|                            | 1250mm              | 110kg ✓  |
| Body dimension             | Length              | 236      |
|                            | Width               | 54       |
|                            | Thick               | 38       |
| Arm                        | Standard            | ✓        |
|                            | Parallel            | optional |
|                            | Track (standard)    | optional |
|                            | Track (hold-open)   | optional |
| Rack and pinion            |                     | ✓        |
| Power shoe arm bracket     |                     | ✓        |
| Angle of opening           |                     | 180°     |
| Power adjustable by spring |                     | ✓        |
| Sweep speed adjustable     |                     | ✓        |
| Latching speed adjustable  |                     | ✓        |
|                            | Hold-open arm       | optional |
| Back-check                 | Adjustable by Valve | ✓        |
| Delayed action adjustable  |                     | optional |
| Non-handed                 |                     | ✓        |
| With cover                 |                     | optional |
| Application                | Regular(1)          | ✓        |
|                            | Parallel arm (66)   | optional |
|                            | Transom (61)        | ✓        |
| Guarantee/years            |                     | 20 years |

✓ = yes

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Guarantee              | A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials. |
| Power shoe arm bracket | Designed to be reversed to increase final closing power by approximately 15%                                              |
| Back check             | Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.      |
| Delayed action         | Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.                          |

#### Standard Finishes:

086 Satin Stainless Steel

021 Silver Anodized

101 PVD

Other finishes available upon request

#### EN CLOSER

Tested to EN 485113

by Warrington APT Laboratories, UK.  
Power adjustable by spring  
EN Fire Tested Report No. 140220  
Fire tested upto 4 hours



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system ISO 9001.





### Overhead Door Closer

Adjustable Power 2-4 (by Position)



1121-CPR-AD5150

BSEN1154



86.217



with cover

#### DATA AND FEATURES

|                              |                     |          |
|------------------------------|---------------------|----------|
| Variable closing force       | Spring strength(EN) | 2 to 4   |
| Standard doors               | 850mm               | 45kg ✓   |
|                              | 950mm               | 60kg ✓   |
|                              | 1100mm              | 80kg ✓   |
| Body dimensions (mm)         | Length              | 207      |
|                              | Height              | 60       |
|                              | Projection          | 39       |
|                              | Arm                 | Standard |
|                              | Parallel            | optional |
|                              | Track (standard)    | optional |
|                              | Track (hold-open)   | optional |
| Rack and pinion              |                     | ✓        |
| Power shoe arm bracket       |                     | ✓        |
| Angle of opening             |                     | 180°     |
| Power adjustable by position |                     | ✓        |
| Sweep speed adjustable       |                     | ✓        |
| Latching speed adjustable    |                     | ✓        |
|                              | Hold open arm       | optional |
| Back-check                   | Self-regulating     | optional |
|                              | Adjustable by Valve | optional |
| Delayed action adjustable    |                     | optional |
| Non-handed                   |                     | ✓        |
| With cover                   |                     | optional |
| Application                  | Regular(1)          | ✓        |
|                              | Parallel arm (66)   | optional |
|                              | Transom (61)        | ✓        |
| Guarantee/years              |                     | 10 years |

✓ = yes

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Guarantee              | A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials. |
| Power shoe arm bracket | Designed to be reversed to increase final closing power by approximately 15%                                              |
| Back check             | Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.      |
| Delayed action         | Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.                          |

#### Standard Finishes:

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
**021** Silver Anodized        **101** PVD  
 Other finishes available upon request

**EN CLOSER**  
 Tested to EN 1154 **483113**  
 by Warrington APT Laboratories, UK.  
 Power adjustable # 2 to # 4 by position  
 EN Fire Tested Report No. 140220.  
 Successfully included in fire door test to  
 BS 476 : Part 22 upto 120 minutes  
 chilt / RF 06060



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system **ISO 9001**.



### OVERHEAD CAM ACTION Door Closer

Tested to EN 1154 **4 8 3 1 1 3**  
by Warrington APT Laboratories, UK



**86.314**

#### DATA AND FEATURES

|                            |                      |          |
|----------------------------|----------------------|----------|
| Variable closing force     | Spring Strength (EN) | 2 to 4   |
| Standard doors             | ≤850mm ≤40kg         | ✓        |
|                            | ≤950mm ≤60kg         | ✓        |
|                            | ≤1100mm ≤80kg        | ✓        |
| Body dimensions(mm)        | Length               | 210      |
|                            | Width                | 53.5     |
|                            | Thick                | 32       |
| Arm                        | Track (standard)     | ✓        |
|                            | Track (hold-open)    | ✓        |
| Angle of opening           |                      | 120°     |
| Power adjustable by spring |                      | ✓        |
| Sweep speed adjustable     |                      | ✓        |
| Latching speed adjustable  |                      | ✓        |
| Non-handed                 |                      | ✓        |
| Application                | Regular (1)          | O        |
|                            | Transom (61)         | O        |
| Guarantee /years           |                      | 10 years |

✓ = yes

O = option

#### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### STANDARD FINISHES:

- 002 Silver Sprayed
  - 011 Gold Sprayed
  - 017 Dark Brown Sprayed
  - 086 Satin Stainless Steel
  - 087 Polish Stainless Steel
- Other finishes upon request.

### Overhead Door Closer



86.218

#### DATA AND FEATURES

|                              |                     |          |
|------------------------------|---------------------|----------|
| Variable closing force       | Spring strength(EN) | 2 to 4   |
| Standard doors               | 850mm               | 45kg ✓   |
|                              | 950mm               | 60kg ✓   |
|                              | 1100mm              | 80kg ✓   |
| Body dimensions (mm)         | Length              | 210      |
|                              | Height              | 48       |
|                              | Projection          | 45       |
| Arm                          | Standard            | ✓        |
|                              | Parallel            | optional |
|                              | Track (standard)    | optional |
|                              | Track (hold-open)   | optional |
| Rack and pinion              |                     | ✓        |
| Power shoe arm bracket       |                     | ✓        |
| Angle of opening             |                     | 110°     |
| Power adjustable by position |                     | ✓        |
| Sweep speed adjustable       |                     | ✓        |
| Latching speed adjustable    |                     | ✓        |
| Hold-open                    | Built in            | optional |
| Back-check                   | Self-regulating     | optional |
| Non-handed                   |                     | ✓        |
| With cover                   |                     | optional |
| Application                  | Regular(1)          | ✓        |
|                              | Parallel arm (66)   | optional |
|                              | Transom (61)        | ✓        |
| Guarantee/years              |                     | 5 years  |

✓ = yes

|                        |                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Guarantee              | A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials. |
| Power shoe arm bracket | Designed to be reversed to increase final closing power by approximately 15%                                              |
| Back check             | Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.      |

#### Standard Finishes:

- 021 Silver Anodized
- 026 Dark Bronze Anodized
- 024 Gold Anodized
- Other finishes available upon request



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system ISO 9001.

Tested to EN 1154 

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | 8 | 3 | 1 | 1 | 3 |
|---|---|---|---|---|---|

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 4 | 8 | 4 | 1 | 1 | 3 |
|---|---|---|---|---|---|

  
 by Warrington APT Laboratories, UK  
 Power Adjustable #2 to #4 by Position / by Springs  
 EN Fire Tested



1121-CPR-AD5151

BSEN1154

86.221

### DATA AND FEATURES

|                              |                      |          |
|------------------------------|----------------------|----------|
| Variable closing force       | Spring Strength (EN) | 2 to 4   |
| Standard doors               | <850mm <40kg         | ✓        |
|                              | <950mm <60kg         | ✓        |
|                              | <1100mm <80kg        | ✓        |
| Body dimensions(mm)          | Length               | 220      |
|                              | Height               | 59       |
|                              | Projection           | 42       |
| Arm                          | Standard             | ✓        |
|                              | Parallel             | O        |
|                              | Track (standard)     | O        |
|                              | Track (hold-open)    | O        |
| Rack and pinion              |                      | ✓        |
| Power shoe arm bracket       |                      | ✓        |
| Angle of opening             |                      | 180°     |
| Power adjustable by position |                      | ✓        |
| Sweep speed adjustable       |                      | ✓        |
| Latching speed adjustable    |                      | ✓        |
| Hold open                    | Hold open arm        | O        |
| Delayed action adjustable    |                      | ✓        |
| Non-handed                   |                      | ✓        |
| With cover                   |                      | O        |
| Application                  | Regular (1)          | ✓        |
|                              | Parallel arm (66)    | O        |
|                              | Transom (61)         | ✓        |
| Guarantee/years              |                      | 10 years |

✓ = yes

O = option

#### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

#### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Standard Finishes:

002 Silver Sprayed

011 Gold Sprayed

017 Dark Brown Sprayed

Other finishes upon request.



Power Adjustable #2 to #4 by Position  
 EN Fire Tested  
 by Warrington APT Laboratories, UK

### DATA AND FEATURES

86.400

|                              |                      |         |
|------------------------------|----------------------|---------|
| Variable closing force       | Spring Strength (EN) | 2 to 4  |
| Standard doors               | <850mm <40kg         | ✓       |
|                              | <950mm <60kg         | ✓       |
|                              | <1100mm <80kg        | ✓       |
| Body dimensions(mm)          | Length               | 178     |
|                              | Height               | 42      |
|                              | Projection           | 64      |
| Arm                          | Standard             | ✓       |
|                              | Parallel             | 0       |
|                              | Track (standard)     | 0       |
|                              | Track (hold-open)    | 0       |
| Rack and pinion              |                      | ✓       |
| Power shoe arm bracket       |                      | ✓       |
| Angle of opening             |                      | 180°    |
| Power adjustable by position |                      | ✓       |
| Sweep speed adjustable       |                      | ✓       |
| Latching speed adjustable    |                      | ✓       |
| Hold open                    | Built in             | 0       |
|                              | Hold open arm        | 0       |
| Back-check                   | Adjustable at value  | 0       |
| Non-handed                   |                      | ✓       |
| With cover                   |                      | 0       |
| Application                  | Regular (1)          | ✓       |
|                              | Parallel arm (66)    | 0       |
|                              | Transom (61)         | ✓       |
| Guarantee/years              |                      | 5 years |

✓ = yes

0 = option

#### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

#### BACK CHECK:

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Standard Finishes:

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

### Overhead Door Closer

Adjustable Power 2-4 (by Position)



86.404



with cover

#### DATA AND FEATURES

|                              |                     |          |
|------------------------------|---------------------|----------|
| Variable closing force       | Spring strength(EN) | 2 to 4   |
| Standard doors               | ≤850mm              | ≤40kg ✓  |
|                              | ≤950mm              | ≤60kg ✓  |
|                              | ≤1100mm             | ≤80kg ✓  |
|                              | ≤1250mm             | ≤100kg x |
| Body dimensions (mm)         | Length              | 207      |
|                              | Height              | 55       |
|                              | Projection          | 40       |
| Arm                          | Standard            | ✓        |
|                              | Parallel            | optional |
|                              | Track (standard)    | optional |
|                              | Track (hold-open)   | optional |
| Rack and pinion              |                     | ✓        |
| Power shoe arm bracket       |                     | ✓        |
| Angle of opening             |                     | 180°     |
| Power adjustable by Spring   |                     | x        |
| Power adjustable by position |                     | ✓        |
| Sweep speed adjustable       |                     | ✓        |
| Latching speed adjustable    |                     | ✓        |
| Hold-open                    | Built in            | optional |
|                              | Hold open arm       | optional |
| Back-check                   | Self-regulating     | optional |
|                              | Adjustable at Valve | x        |
| Delayed action adjustable    |                     | x        |
| Non-handed                   |                     | ✓        |
| With cover                   |                     | optional |
| Application                  | Regular(1)          | ✓        |
|                              | Parallel arm (66)   | optional |
|                              | Transom (61)        | ✓        |
| Guarantee/years              |                     | 5 years  |

✓ = yes    x = no



#### Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

#### Power shoe arm bracket

Designed to be reversed to increase final closing power by approximately 15%

#### Back check

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Standard Finishes:

**086** Satin Stainless Steel    **087** Polished Stainless Steel

**021** Silver Anodized    **101** PVD

Other finishes available upon request

### ELECTRO-MAGNETIC DOOR CLOSERS WITH MAGNETIC ADJUSTABLE ARM, AVAILABLE WITH A CHOICE OF 3 DIFFERENT SLIDE COVERS

BSEN1155



The Devon E-mag range is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. These door closers offer hold open fixed power size 4 which, when fitted, allows the door to be opened with no resistance (Free Swing) from the door closer. However, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door.

All the Devon of E-mags are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

The door closer offers the choice of three different slider covers, each with a matching adjustable arm and the unique cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra.

All closers offer universal fitting and are supplied with brackets for fig 1, fig 61 and fig 66 fixing

| DATA AND FEATURES         |                           |         |
|---------------------------|---------------------------|---------|
| Closing force             | EN Size                   | 4       |
| Door size(Max)            | Width (mm)                | 1100    |
|                           | Weight (KG)               | 60      |
| Application               | Fig 1                     | ✓       |
|                           | Fig 6                     | ✓       |
|                           | Fig 66                    | ✓       |
| Mechanism                 | Rack & Pinion             | x       |
|                           | Cam & Roller              | ✓       |
| With cover                |                           | x       |
| Power shoe bracket        |                           | ✓       |
| Angle of opening          |                           | 160°    |
| Non handed                |                           | ✓       |
| Power adjustment          | By spring                 | x       |
|                           | By template               | x       |
| Adjustable sweep speed    |                           | ✓       |
| Adjustable latching speed |                           | ✓       |
| Adjustable backcheck      |                           | x       |
| Adjustable delayed action |                           | x       |
| Dual power                |                           | x       |
| CE Marked                 |                           | ✓       |
| Certifire approved        |                           | ✓       |
| Gurantee                  |                           | 2 years |
| Options                   |                           |         |
| Slide covers              | E                         | ✓       |
|                           | B                         | ✓       |
|                           | L                         | ✓       |
| Cover                     | Radius                    | x       |
|                           | Square                    | x       |
| Extended loop             | 650mm                     | ✓       |
| Finishes                  | Sliver, PAL,PAA,SAA,SS,PS |         |



#### GURANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### POWER SHOE ARM BRACKET:

Designed to be reversed to increase final closing power by approximately 15%.

#### STANDARD FINISHES:

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

**ELECTRO-HYDRAULIC DOOR CLOSERS WITH COVER & MATCHING ADJUSTABLE ARM**

The Devon E-mag range is suitable for use where no opening force is required, such as care homes, hospitals or where the Equality Act is a consideration. The closer offer a hold open fixed power size 4 which, when fitted in swing free mode, allows the door to be opened with no resistance from the closer. However, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door.

The Devon of E-mag closers are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

Both options offer the choice of either a radius or square cover with matching adjustable arms, each utilising the unique high efficiency cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra. All closers offer universal fitting and are supplied with brackets for fig 1, fig 61 and fig 66 fixing

BSEN1155



| DATA AND FEATURES         |                           |         |
|---------------------------|---------------------------|---------|
| Closing force             | EN Size                   | 4       |
| Door size(Max)            | Width (mm)                | 1100    |
|                           | Weight (KG)               | 60      |
| Application               | Fig 1                     | ✓       |
|                           | Fig 6                     | ✓       |
|                           | Fig 66                    | ✓       |
| Mechanism                 | Rack & Pinion             | x       |
|                           | Cam & Roller              | ✓       |
| With cover                |                           | ✓       |
| Power shoe bracket        |                           | ✓       |
| Angle of opening          |                           | 160°    |
| Non handed                |                           | ✓       |
| Power adjustment          | By spring                 | x       |
|                           | By template               | x       |
| Adjustable sweep speed    |                           | ✓       |
| Adjustable latching speed |                           | ✓       |
| Adjustable backcheck      |                           | x       |
| Adjustable delayed action |                           | x       |
| Dual power                |                           | x       |
| CE Marked                 |                           | ✓       |
| Certifire approved        |                           | ✓       |
| Guarantee                 |                           | 2 years |
| <b>Options</b>            |                           |         |
| Slide covers              | E                         | x       |
|                           | B                         | x       |
|                           | L                         | x       |
| Cover                     | Radius                    | ✓       |
|                           | Square                    | ✓       |
| Extended loop             | 650mm                     | ✓       |
| Finishes                  | Sliver, PAL,PAA,SAA,SS,PS |         |



**GURANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

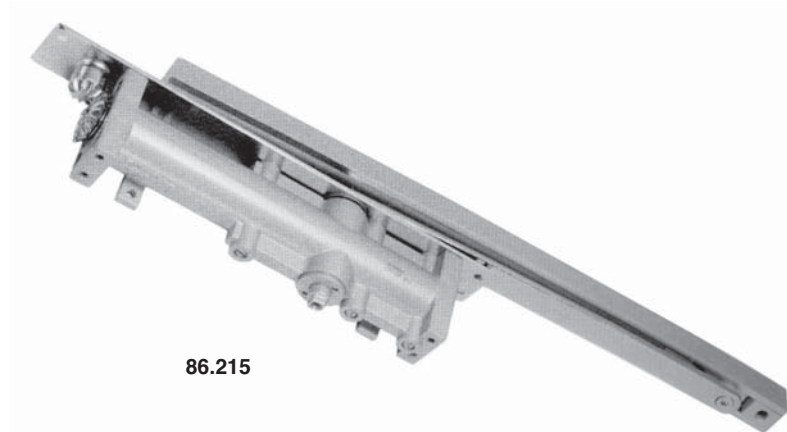
**STANDARD FINISHES:**

- 002 Silver Sprayed
  - 011 Gold Sprayed
  - 017 Dark Brown Sprayed
- Other finishes upon request.



### Overhead Concealed Door Closer

Adjustable Spring Power 2-5



86.215

Adjustable Spring  
#2 to #5

#### DATA AND FEATURES

|                            |                     |          |
|----------------------------|---------------------|----------|
| Variable closing force     | Spring strength(EN) | 2 to 5   |
| Standard doors             | 850mm               | 45kg ✓   |
|                            | 950mm               | 60kg ✓   |
|                            | 1100mm              | 80kg ✓   |
| Body dimension             | Length              | 225      |
|                            | Width               | 61       |
|                            | Thick               | 37       |
| Arm                        | Track (standard)    | ✓        |
|                            | Track (hold-open)   | ✓        |
| Rack and pinion            |                     | ✓        |
| Angle of opening           |                     | 120°     |
| Power adjustable by spring |                     | ✓        |
| Sweep speed adjustable     |                     | ✓        |
| Latching speed adjustable  |                     | ✓        |
| Hold-open                  | Without hold-open   | ✓        |
|                            | Hold-open track arm | ✓        |
| Back-check                 | Adjustable by Valve | ✓        |
| Non-handed                 |                     | ✓        |
| Guarantee/years            |                     | 10 years |

✓ = yes

#### Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

#### Power shoe arm bracket

Designed to be reversed to increase final closing power by approximately 15%

#### Back check

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

#### Delayed action

Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

#### Standard Finishes:

**062** Satin Nickel

**063** Polished Chrome

**021** Silver Anodized

**101** PVD

Other finishes available upon request

#### EN CLOSER

Tested to EN **485113**

by Warrington APT Laboratories, UK  
to 60 minutes. Report No. WF  
147214



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system ISO 9001.



### Overhead Concealed Door Closer

with track arm - Spring Power 3



86.216



FM 60396

INTERNATIONAL  
STANDARDS

This product is  
manufactured under  
a quality management  
system ISO 9001.

#### DATA AND FEATURES

|                           |                     |          |
|---------------------------|---------------------|----------|
| Closing force             | Spring strength(EN) | 3        |
| Standard doors            | 950mm      60kg     | ✓        |
| Body dimension            | Length              | 230      |
|                           | Width               | 56       |
|                           | Thick               | 32       |
| Arm                       | Track (standard)    | ✓        |
|                           | Track (hold-open)   | ✓        |
| Rack and pinion           |                     | ✓        |
| Angle of opening          |                     | 120°     |
| Sweep speed adjustable    |                     | ✓        |
| Latching speed adjustable |                     | ✓        |
| Non-handed                |                     | ✓        |
| Guarantee/years           |                     | 10 years |

✓ = yes

Guarantee

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

#### Standard Finishes:

**062** Satin Nickel

**063** Polished Chrome

**021** Silver Anodized

**101** PVD

Other finishes available upon request

**CAM ACTION**  
Concealed Door Closer

Tested to EN 1154 **4 8 3 1 1 3**  
by Warrington APT Laboratories, UK



86.315

**DATA AND FEATURES**

|                            |                      |          |
|----------------------------|----------------------|----------|
| Variable closing force     | Spring Strength (EN) | 2 to 4   |
| Standard doors             | ≤850mm ≤40kg         | ✓        |
|                            | ≤950mm ≤60kg         | ✓        |
|                            | ≤1100mm ≤80kg        | ✓        |
| Body dimensions(mm)        | Length               | 210      |
|                            | Width                | 53.5     |
|                            | Thick                | 32       |
| Arm                        | Track (standard)     | ✓        |
|                            | Track (hold-open)    | ✓        |
| Double action              |                      | ✓        |
| Angle of opening           |                      | 120°     |
| Power adjustable by spring |                      | ✓        |
| Sweep speed adjustable     |                      | ✓        |
| Latching speed adjustable  |                      | ✓        |
| Non-handed                 |                      | ✓        |
| Guarantee /years           |                      | 10 years |

✓ = yes

O = option

**GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**BACK CHECK:**

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

**STANDARD FINISHES:**

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

**CAM ACTION**  
Concealed Door Closer

Tested to EN 1154 

|   |   |   |   |    |
|---|---|---|---|----|
| 3 | 8 | 5 | 1 | 13 |
|---|---|---|---|----|

  
by Warrington APT Laboratories, UK



**86.316**

**DATA AND FEATURES**

|                            |                      |          |
|----------------------------|----------------------|----------|
| Variable closing force     | Spring Strength (EN) | 2 to 5   |
| Standard doors             | ≤850mm ≤40kg         | ✓        |
|                            | ≤950mm ≤60kg         | ✓        |
|                            | ≤1100mm ≤80kg        | ✓        |
|                            | ≤1250mm ≤100kg       | ✓        |
| Body dimensions(mm)        | Length               | 212      |
|                            | Width                | 60       |
|                            | Thick                | 40       |
| Arm                        | Track (standard)     | ✓        |
|                            | Track (hold-open)    | ✓        |
| Double action              |                      | O        |
| Angle of opening           |                      | 120°     |
| Power adjustable by spring |                      | ✓        |
| Sweep speed adjustable     |                      | ✓        |
| Latching speed adjustable  |                      | ✓        |
| Non-handed                 |                      | ✓        |
| Application                | Track arm            | ✓        |
|                            | Transom (61)         | O        |
| Guarantee /years           |                      | 10 years |

✓ = yes

O = option

**GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**BACK CHECK:**

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

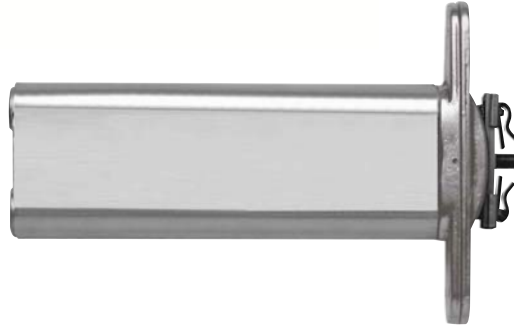
**STANDARD FINISHES:**

**002** Silver Sprayed

**011** Gold Sprayed

**017** Dark Brown Sprayed

Other finishes upon request.

**Adjustable Speed  
Hydraulic Jamb Closer****86.500.86****Features**

- Adjustable Speed
- Adjustable Latch
- Suitable for door upto 940 mm width
- Suitable for door upto 80 Kg weight
- BSEN 9001
- Tested to 500,000 Frequency

**GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**FINISH:**

**086** Satin Stainless Steel



86.262

### DATA AND FEATURES

|                           |                      |         |
|---------------------------|----------------------|---------|
| Variable closing force    | Spring Strength (EN) | 2 to 4  |
| Standard doors            | <850mm <70kg         | ✓       |
|                           | <950mm <105kg        | ✓       |
|                           | <1100mm <150kg       | ✓       |
| Body dimensions(mm)       | Length               | 276     |
|                           | Width                | 108     |
|                           | Thick                | 40      |
| Arm                       | Standard             | ✓       |
|                           | Offset arm           | O       |
| Cam action                |                      | ✓       |
| Angle of opening          |                      | 130°    |
| Sweep speed adjustable    |                      | ✓       |
| Latching speed adjustable |                      | ✓       |
| Hold open                 | without hold-open    | O       |
|                           | at 90° hold-open     | ✓       |
|                           | at 105° hold-open    | O       |
| Non-handed                |                      | ✓       |
| Guarantee/years           |                      | 5 years |

✓ = yes

O = option

- Supplied with Double Action Accessories as Standard.
- Offset Pivots or Single Action Accessories available as option at extra cost.

### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

### COVER PLATE FINISHES:

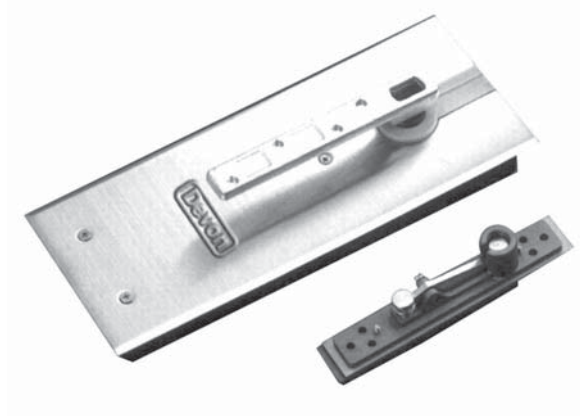
**086** Satin Stainless Steel

**087** Polished Stainless Steel

Other finishes available upon request

### FLOOR SPRING

For double action or single action application



86.260



Fire Tested to BS1634-1:2000  
for 4 Hours by  
Exova Warrington-WF157438

#### FUNCTIONS

- Adjustable Closing: & Latching Speed.
- Two non-critical valves provide dual speed hydraulic closing (closing from 130° - 15°, latching from 15° - 0°)
- Maximum door opening angle of 130°.
- Built-in cushioned stop from approx. 85°.
- If adjacent structures interfere with maximum degree of door opening, an auxiliary doorstop should be installed.
- Mechanical hold-open at 90° (Optional at 150°)
- Body dimensions 306 mm long x 108 mm wide x 40 mm high.
- Closer mechanism adjustment in loose box for

|            |            |            |
|------------|------------|------------|
| Length 9mm | width 10mm | Height 4mm |
|------------|------------|------------|

Available in Light, Medium & Heavy closing force.

| Spring | Closing force max.    | Door width     |
|--------|-----------------------|----------------|
| Light  | 20 Nm (14.8 ft - lbs) | 850 mm (33.5") |
| Medium | 27 Nm (13.7 ft - lbs) | 950 mm (37.4") |
| Heavy  | 37 Nm (28 ft - lbs)   | 1100mm(43.3")  |

Note: • The listed door widths & recommended closer sizes are applicable to average conditions. In case of a tall heavy door or where doors are subject to wind or draft condition, the next larger closer size should be selected.

- Accommodates doors up to a maximum weight of 150 kgs.

#### Cover Plate Finishes:

086 Satin Stainless Steel  
087 Polished Stainless Steel  
101 PVD  
Other finishes available upon request

#### CONSTRUCTION & TECHNICAL DETAILS

- One unit for both single & double action doors.
- High grade cast iron mechanism body is housed within a galvanized steel loose box which is zinc protected & painted for corrosion resistance.
- Internal mechanism components utilizing heat-treated high alloy steels & ball bearing for optimum efficiency.
- Stable hydraulic fluid for any climatic operation & constant lubrication.
- Suitable for timber, metal & tempered glass doors.
- Built-in pressure relief valve protects the closer from rough use.
- Closer mechanism totally immersed in hydraulic fluid

#### WARRANTY

The Floor Spring is guaranteed for 10 years from date of manufacture against any defects in material or workmanship  
Defective product will be replaced with new unit but no claims for damage incurred or work done thereon will be allowed.  
This guarantee is void if the product has been subjected to misapplication or abuse.

#### Standard Package

Floor mounted door closer complete with flat-conical spindle, cement box, s/steel cover plate, double action pivots and fixing instructions.

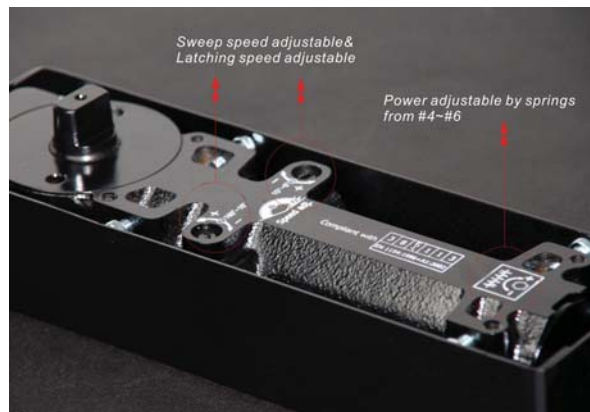
#### Optional Accessories

- Single Action Pivots

**FLOOR SPRING**

For double action or single action application

- SUITABLE DOOR WEIGHT MAX. 300KG
- POWER ADJUSTABLE BY SPRING FROM #4~#6
- NARROW DESIGN
- SUITABLE DOOR WIDTH 1.10 M~ 1.45M
- 10 YEARS GUARANTEE



86.261

**DATA AND FEATURES**

|                                       |                      |          |
|---------------------------------------|----------------------|----------|
| Variable closing force                | Spring Strength (EN) | 4 to 6   |
| Standard doors #4                     | <1100mm <300kg       | 950      |
| Standard doors #5                     | <1250mm <300kg       | 950      |
| Standard doors #6                     | <1450mm <300kg       | 950      |
| Body dimensions(mm)                   | Length               | 323      |
|                                       | Width                | 94       |
|                                       | Thick                | 62       |
| Arm                                   | Standard             | ✓        |
|                                       | Offset Arm           | O        |
| Cam action                            |                      | ✓        |
| Angle of opening                      |                      | 150°     |
| Power adjustable by spring from #4~#6 |                      | ✓        |
| Sweep speed adjustable                |                      | ✓        |
| Latching speed adjustable             |                      | ✓        |
| Hold-open                             | Without hold-open    | O        |
|                                       | at 90° hole-open     | ✓        |
|                                       | at 105° hole-open    | O        |
| Non-handed                            |                      | ✓        |
| Guarantee/years                       |                      | 10 years |

= yes                      O = option

- Supplied with Double Action Accessories as Standard.
- Offset Pivots or Single Action Accessories available as option at extra cost.

**GUARANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**Cover Plate Finishes:**

- 086 Satin Stainless Steel
  - 087 Polished Stainless Steel
  - 101 PVD
- Other finishes available upon request



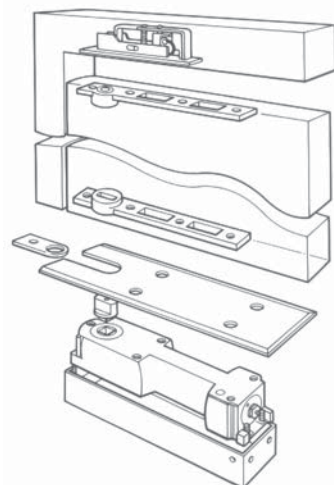
### Heavy Duty Floor Springs

For double action or single action application

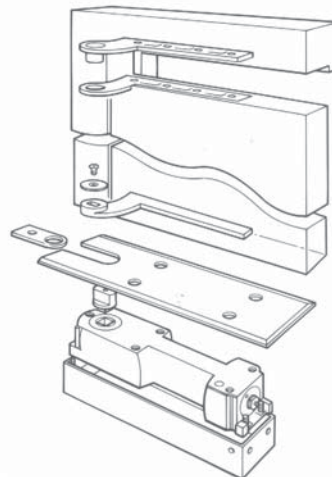


#### Maximum door weight up to 600 Kg

- Tested to BS EN 1154.
- Adjustable power, EN sizes 1 - 4.
- 180° opening in either direction.
- Range of double & single action accessories.
- Variable intensity back check at 90°.
- Cast iron body.
- For doors up to 1400 mm wide & 600 kg. (double action)
- Ten year guarantee.



Double Action Application



Single Action Application

#### Standard Finishes:

- 059** Polished Brass
- 086** Satin Stainless Steel
- 087** Polished Stainless Steel

#### Ordering Codes

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, non hold open, suitable for doors up to 400 Kg. **86.260HD**

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, hold open, suitable for doors up to 400 Kg. **86.260HDSO**

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, hold open, suitable for doors up to 600 Kg. **86.260XHD**

Heavy duty floor spring, size Adj. 1 - 4, single action accessories, non hold open, suitable for doors up to 400 Kg. **86.260HDSA**

Heavy duty floor spring, size Adj. 1 - 4, single action accessories, hold open, suitable for doors up to 400 Kg. **86.260HDSASO**

**ELECTRO-MAGNETIC FLOOR SPRING COMPLETE WITH FITTINGS**

BSEN1155

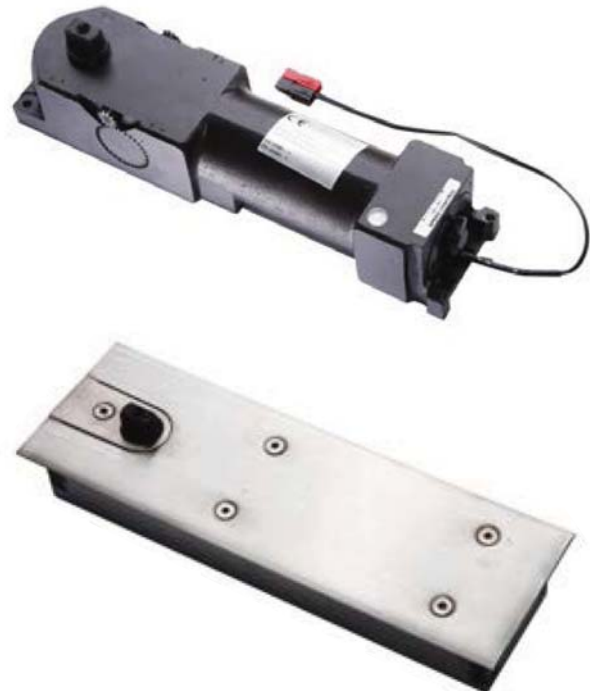


The Devon E-mag floor spring fits discreetly into the floor, giving better resistance to interference and vandalism and is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. It is a fixed power size 4 which, when fitted, is in hold open/swing free mode, allowing the door to be opened with no resistance from the floor spring. However, when the buildings fire alarm is activated, power is cut to the floor spring and the unit then closes the door.

Available in both single and double action, the floor spring can be supplied complete, or mechanism only when being used as a replacement.

Optional extras include extra height spindles, 200° cam and gel infill for improved water resistance. The cover plate is available in a choice of three plated finishes.

| DATA AND FEATURES                                                       |                 |       |
|-------------------------------------------------------------------------|-----------------|-------|
| Closing force                                                           | EN Size         | 4     |
| Door size(Max)                                                          | Width (mm)      | 1100  |
|                                                                         | Weight (KG)     | 400   |
| Mechanism                                                               | Rack and pinion | x     |
|                                                                         | Double cam      | ✓     |
| Angle of opening                                                        |                 | 160°  |
| Non handed                                                              |                 | ✓     |
| Power adjustment                                                        | By spring       | x     |
|                                                                         | By template     | x     |
| Action availability                                                     | Single          | ✓     |
|                                                                         | Double          | ✓     |
| Adjustable sweep speed                                                  |                 | ✓     |
| Backcheck                                                               |                 | ✓     |
| Heavy duty backcheck                                                    |                 | x     |
| Adjustable delayed action                                               |                 | x     |
| Hold open                                                               | 80° - 180°      | ✓     |
| CE Marked                                                               |                 | ✓     |
| Certifire approved                                                      |                 | ✓     |
| Gurantee                                                                |                 | 2 yrs |
| <b>Options</b>                                                          |                 |       |
| Single action accessories                                               |                 | ✓     |
| Double action accessories                                               |                 | ✓     |
| Spindle extensions                                                      |                 | ✓     |
| 200° cam for single action doors requiring controlled closing from 180° |                 | ✓     |
| Get infill for improved water resistance                                |                 | ✓     |
| Mechanism & box only                                                    |                 | ✓     |
| Finishes                                                                | SS,PS, PB       |       |



86.801

**GURANTEE:**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**STANDARD FINISHES:**

- 086 Stainless steel
- 087 Polished stainless steel
- 059 Polished brass
- Other finishes upon request.

### Patch Floor Spring

- Suitable door weight: Max 100kg
- Suitable door width: 750 ~ 1000mm
- Suitable door thickness 8 ~ 13mm
- Ambient temperature: -20° C ~ +50° C
- Quick and easy installation
- Compliant with EN1154



66.606



### DATA AND FEATURES

|                          |                   |         |
|--------------------------|-------------------|---------|
| Suitable door width      | door weight       |         |
| 750 ~ 1000mm             | ≤100kg            | ✓       |
| Body dimensions(mm)      | Length            | 186     |
|                          | Width             | 68      |
|                          | Thick             | 36      |
| Angle of opening         |                   | 150°    |
| Closing speed adjustable |                   | ✓       |
| Braking speed adjustable |                   | ✓       |
| Hold open                | Without hold-open | O       |
|                          | Hold open at 90°  | ✓       |
| Non-handed               |                   | ✓       |
| Guarantee/years          |                   | 5 years |

✓ = yes

O = option

#### GUARANTEE:

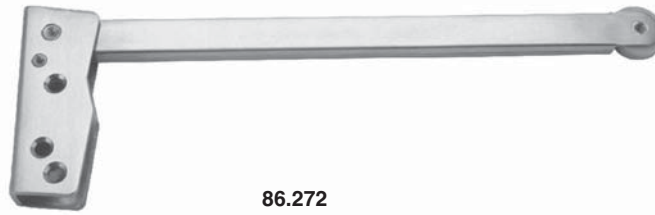
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

#### FINISH:

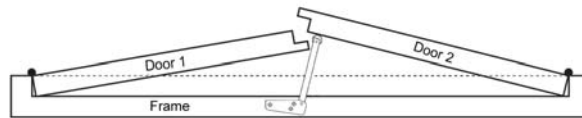
**086** Satin Stainless Steel

**087** Polish Stainless Steel

### Door Coordinator



86.272



- Closes the rebated door-leaves of double-leaf door-sets in correct sequence.
- Suitable for both left-and right-hung door-leaves.

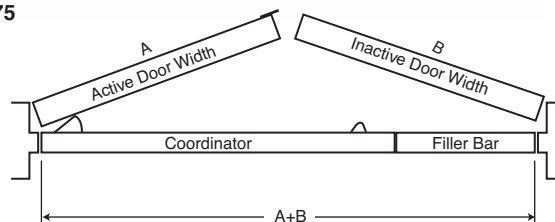
**Standard Finish:**

086 Satin Stainless Steel

### Door Coordinator



86.275



- Closes the rebated door-leaves of double-leaf door-sets in correct sequence.
- Soffit applied coordinator.
- Non-Handed for easy ordering and installation.
- Adjustable for various closing speeds and different door weights.
- Manufactured with an over-ride feature to prevent damage to doors and hinges.
- Engineered to function in high-frequency areas with minimum maintenance.
- Fillers are factory cut and supplied with the coordinator to extend the width of the frame.

| Type mm | Unit lengths mm | Door opening widths mm |
|---------|-----------------|------------------------|
| A       | 813             | 864 - 1092             |
| B       | 1067            | 1118 - 1346            |
| C       | 1321            | 1372 - 2438            |
| D       | 1524            | 2464 - 2845            |

**Standard Finish:**

021 Silver Anodized

### Electromagnetic door holders

The function of an electromagnetic door holder is to hold open fire doors fitted with a standard door closer when linked to a fire alarm system. Electromagnet door holders release the door allowing it to close by door closer upon activation of fire alarm system.



**100.018**  
Floor mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

**Standard Finish:**

**052** Black Powder Coated



**100.017**  
Wall mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- Push button to release the door manually.

**Standard Finish:**

**052** Black Powder Coated



**100.019**  
Wall Flush mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

**Standard Finish:**

**086** Satin Stainless Steel



**100.020**  
Wall surface mounted  
electromagnetic door holder

- Voltage : 24V DC (12V DC optional)
- Power consumption : 60mA @ 24V DC  
125mA @ 12V DC
- Armature : Adjustable to suit door position.
- UL listed.

**Standard Finish:**

**086** Satin Stainless Steel



The Panic exit hardware is designed to provide a means of escape at all times by the simple act of pushing a bar fitted across the full width of the door or depressing a pad attached at the operating body.

The panic hardware series carries the CE mark and that products have been tested and accessed independently to the very latest European standards EN 1125 and EN 179.

### A choice of finishes

All exit devices and outside access devices are available in a wide range of finishes:

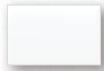
#### Standard finishes:



Silver  
(RAL 9022)



Black



White

#### Plated finishes available:

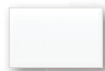


Stainless  
steel effect



Brass effect

#### Popular RAL colours available:



Pure white  
9010



Ultra marine  
blue  
5002



Ruby red  
3003



Traffic yellow  
1023



Agate grey  
7038



Mint green  
6029



Ivory  
1014



Jet black  
9005



Olive  
brown  
8008



Black green  
6012



Wine red  
3007



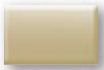
Steel blue  
5011



Fir green  
6009



Anthracite  
grey  
7016



Gold



### Rim Panic Bolt



3 7 | 6 | B | 1 | 3 | 2 | 2 | A | A

The panic bolt is designed for single and double door application. pressing the bar give immediate exit in emergency situations.



- Two point Locking
- Fire rated for use on timber and steel doors
- Standard size suitable for door up to 1220mm wide and 2440mm high. Special sizes available on request.
- Non Handed
- Certifies to BS EN 1125:2008



**90.502**

#### Finishes:

- 002** Silver (RAL 9022) - Standard
- 086** Stainless Steel Plated
- 059** Brass plated

Other finishes available upon request

#### Options

- Adjustable shoots
- Steel door fixing
- Microswitch
- Exit Alarm
- Pullman latch kit

### Outside Access Devices



**90.515**

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder



### Rim Panic latch



The panic latch is designed for single door application. Pressing the bar give immediate exit in emergency situations.



- Single point Locking
- Fire rated for use on timber and steel doors
- Standard size suitable for door up to 1220mm wide and 2440mm high. Special sizes available on request.
- Non Handed
- Certifies to BS EN 1125:2008



### Outside Access Devices



90.515

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder

#### Finishes:

- 002** Silver (RAL 9022) - Standard
- 086** Stainless Steel Plated
- 059** Brass plated

Other finishes available upon request

#### Options

- Steel door fixing
- Microswitch

### Single Door High Security Exit Device

The device is a surface mounted panic bolt for outward opening single door applications. It is ideally suited to very high security applications, where panic escape is a consideration. Incorporated as standard is an automatic top trip mechanism. The main body is constructed from a mixture of steel and stainless steel, with steel being used for the internal components and bolts. There is also an anti-thrust mechanism in the bottom bolt and the latch bolt.

- Non-handed
- Surface mounted
- Adjustable top and bottom bolts
- 30mm bolt throw
- Anti-thrust latch bolt and bottom bolt to prevent physical attack
- Steel and timber door versions available



**90.520.01**  
**90.520.02**  
**90.520.03**  
**90.520.04**

One point locking  
 Two point locking  
 Three point locking  
 Four point locking

### Outside Access Devices



**90.517**

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder

#### Finishes:

- 002** Silver (RAL 9022) - Standard
- 086** Stainless Steel Plated
- 059** Brass plated

Other finishes available upon request

#### Features

- Non-handed
- Meets the dimensional requirements of BS8300 and approved Document "M" (Equality Act)
- Suitable for high security applications
- Surface mounted on the outside of the door using concealed machine screws
- Available with or without cylinder
- When ordered with the cylinder, three keys are supplied as standard
- Supplied as standard for doors up to 45mm thick
- Longer spindles available on request for door thicknesses over 45mm

### Double Door High Security Exit Device

The device is for rebated double doors is a complete package offering high security and incorporates the new horizontal locking mechanism. This allows the unit to be certified to EN1125:2008 and it is suitable for double door applications where a high level of security is a consideration. The main body is constructed from a mixture of steel and stainless steel with steel being used for the internal components and bolts. There is also an anti-thrust mechanism in the latch bolt and the horizontal bolts, increasing the products resistance to attack.



3 7 6 B 1 3 2 2 A A



- CE Marked
- Available in RAL 7016, stainless steel effect and solid stainless steel
- Non-handed
- Surface mounted
- Adjustable top and bottom bolts
- 30mm bolt throw
- Anti-thrust bottom bolts to prevent physical attack



### Outside Access Devices



90.517

- A choice of outside access devices
- Mechanical locking box for increased security
- Microswitch version (suffix 'MS' after the product code)

- 90.522.03
- 90.522.04
- 90.522.05
- 90.522.07

- Three point locking
- Four point locking
- Five point locking
- Seven point locking

#### Finishes:

- 002 Silver (RAL 9022) - Standard
- 086 Stainless Steel Plated
- 059 Brass plated

Other finishes available upon request

#### Features

- Non-handed
- Meets the dimensional requirements of BS8300 and approved Document "M" (Equality Act)
- Suitable for high security applications
- Surface mounted on the outside of the door using concealed machine screws
- Available with or without cylinder
- When ordered with the cylinder, three keys are supplied as standard
- Supplied as standard for doors up to 45mm thick
- Longer spindles available on request for door thicknesses over 45mm

**Rim Touch Panic Latch****Features:**

- Non-Handed
- Optional dogging
- Security Anti-thrust latch
- Fire rated to UL 10C
- Supplied in length 1045 mm  
Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thickness 50 mm.  
Optional extended spindle and bolts for thickness 50-105 mm

**90.202.04****Finishes:**

- 086** : Satin Stainless Steel
- 087** : Polished Stainless Steel
- 002** : Silver Painted Steel

**UL Listed R38094**  
**BHMA ANSI Grade 1**  
**ANSI 156.3**  
**UL305, UL10C**

**90.003.04** Optional outside access device

**Rim Touch Panic Bolt****Features:**

- Non-Handed
- Optional dogging
- Fire rated to UL 10C
- Supplied in length 1045 mm.  
Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thickness 50 mm.  
Optional extended spindle and bolts for door thickness 50-105 mm
- To suit door height 2133 mm  
Optional to suit door height 3200 mm

**Finishes:**

- 086** : Satin Stainless Steel
- 087** : Polished Stainless Steel
- 002** : Silver Painted Steel

**90.204.04**

**UL Listed R38094**  
**BHMA ANSI Grade 1**  
**ANSI 156.3**  
**UL305, UL10C**

**90.003.04** Optional outside access device

### Rim Touch Panic Latch



#### Features:

- Non-handed
- Optional dogging
- Security Anti-thrust latch
- Fire rated to UL 10C
- Supplied in length 1045 mm
- Can be cut on site up to 610 mm to suit door width
- Supplied to suit door thickness 50 mm.
- Optional extended spindle and bolts for thickness 50-105 mm



90.001.04

#### Finishes:

- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

UL Listed R38094  
BHMA ANSI Grade 1  
ANSI 156.3  
UL305, UL10C



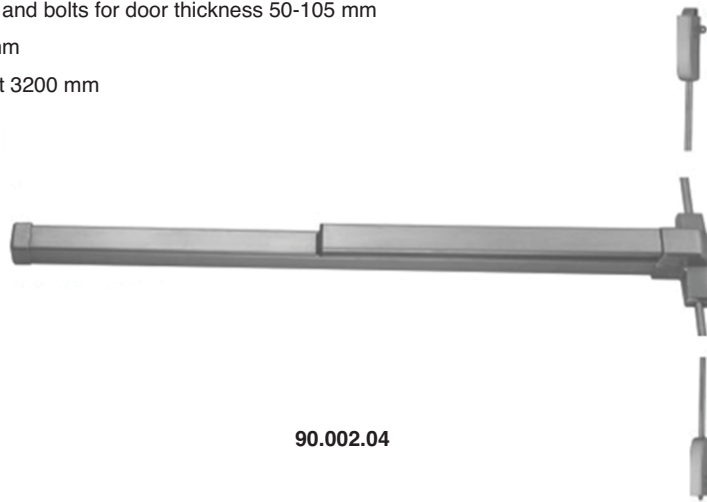
90.003.04 - Optional outside access device

### Rim Touch Panic Bolt



#### Features:

- Non-handed
- Optional dogging
- Fire rated to UL 10C
- Supplied in length 1045 mm  
Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thickness 50 mm.  
Optional extended spindle and bolts for door thickness 50-105 mm
- To suit door height 2133 mm  
Optional to suit door height 3200 mm



#### Finishes:

- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

UL Listed R38094  
BHMA ANSI Grade 1  
ANSI 156.3  
UL305, UL10C



90.003.04 • Optional outside access device



| Item Code      | Width | Thickness | C/C |
|----------------|-------|-----------|-----|
| 50.1003.128.86 | 15    | 15        | 128 |
| 50.1003.160.86 | 15    | 15        | 160 |



| Item Code      | Width | Thickness | C/C |
|----------------|-------|-----------|-----|
| 50.1001.128.86 | 20    | 10        | 128 |
| 50.1001.160.86 | 20    | 10        | 160 |



| Item Code      | Dia | C/C |
|----------------|-----|-----|
| 50.1002.128.86 | 12  | 128 |
| 50.1002.192.86 | 12  | 192 |



| Item Code      | Width | C/C | Length |
|----------------|-------|-----|--------|
| 50.1005.160.86 | 12    | 96  | 160    |
| 50.1005.192.86 | 12    | 128 | 192    |
| 50.1005.224.86 | 12    | 160 | 224    |
| 50.1005.256.86 | 12    | 192 | 256    |
| 50.1005.288.86 | 12    | 224 | 288    |



| Item Code      | Dia | C/C |
|----------------|-----|-----|
| 50.1006.96.86  | 10  | 96  |
| 50.1006.128.86 | 10  | 128 |



| Item Code      | Width | C/C |
|----------------|-------|-----|
| 50.1007.128.86 | 10    | 128 |
| 50.1007.160.86 | 10    | 160 |
| 50.1007.192.86 | 10    | 192 |
| 50.1007.224.86 | 10    | 224 |



| Item Code     | Dia | Height |
|---------------|-----|--------|
| 50.2001.15.86 | 15  | 25     |
| 50.2001.18.86 | 18  | 25     |
| 50.2001.25.86 | 25  | 30     |



| Item Code     | Dia | Height |
|---------------|-----|--------|
| 50.2002.25.86 | 25  | 21     |
| 50.2002.30.86 | 30  | 25     |

### Standard Finishes:

**086** Satin Stainless Steel    **087** Polished Stainless Steel  
Other finishes available upon request.





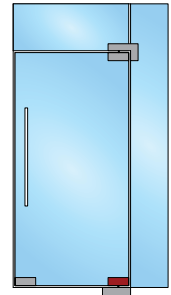
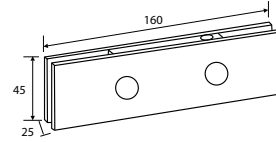
66.7001

**Bottom Patch**

- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



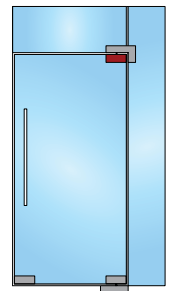
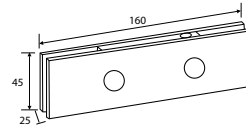
66.7002

**Top Patch**

- Pivot hole diameter 10mm
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



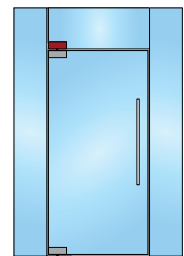
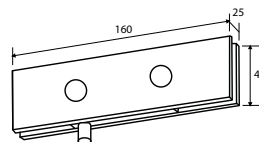
66.7003

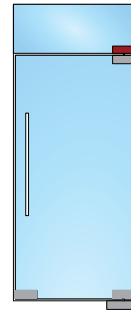
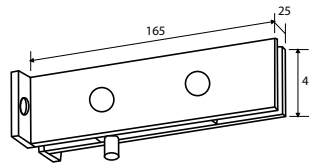
**Transom patch fitting**

- Pivot hole diameter 10mm
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel





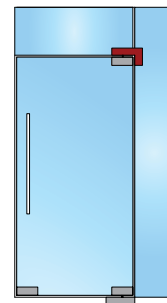
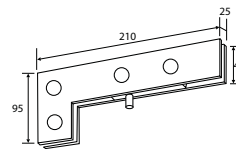
**66.7004**

**Over Panel Patch For Wall Mounting**

- With pivot pin 10mm diameter
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point 55/6mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



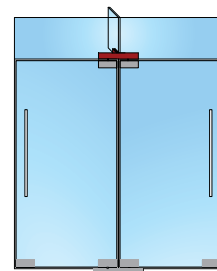
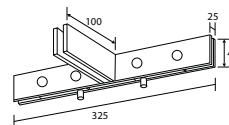
**66.7005**

**Over Panel & Side Panel Patch**

- With pivot pin 10mm diameter to suit OSSPF-2
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



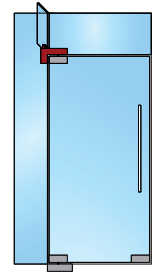
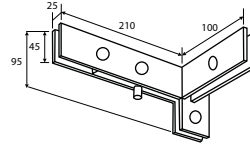
**66.7007**

**Over Panel Patch For Back To Back Doors**

- With pivot pins of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside

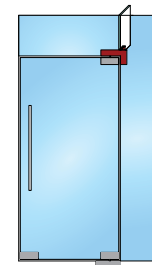
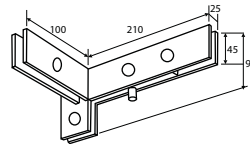
**66.7008L**

**Over Panel Side Panel Connector With Fin**

- To hold left handed fin
- Handing policy to be determined by looking from outside of the structure.
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside

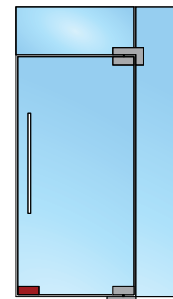
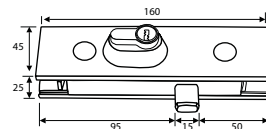
**66.7008R**

**Over Panel Side Panel Connector With Fin**

- To hold right handed fin
- Handing policy to be determined by looking from outside of the structure.
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



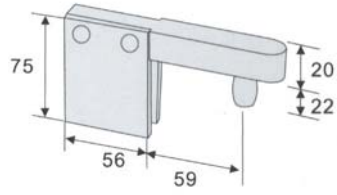
**66.7009**

**Stainless Steel Patch Lock**

- Reversible lock
- Provided with euro profile cylinder
- Perfect combination when used with stainless steel patch fitting
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



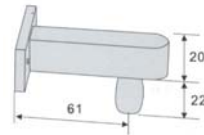
**66.701**

**Side overhead patch pivot**

- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



**66.702**

**Side wall mounted overhead pivot**

- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



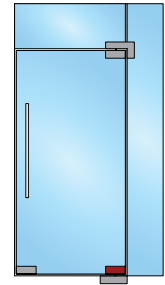
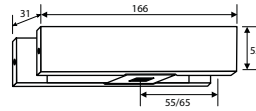
66.2001

**Bottom Patch**

- Variable pivot point of 55 or 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



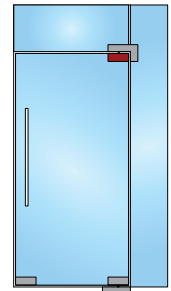
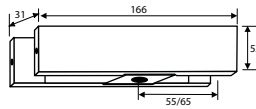
66.2002

**Top Patch**

- Variable pivot point of 55 or 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



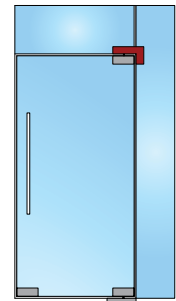
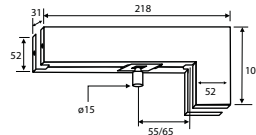
66.2003

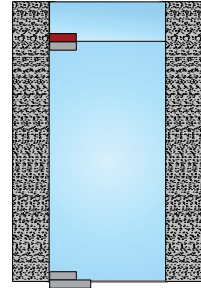
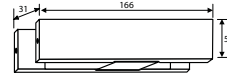
**Over Panel Side Panel Connecting Patch**

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- Pivot pin of 15mm diameter
- Adjustable pivot point 55/65mm

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel





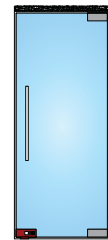
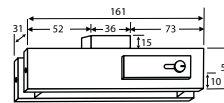
**66.2004**

**Standard transom patch fitting**

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



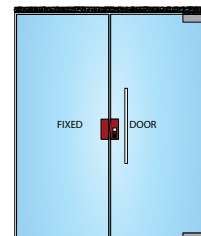
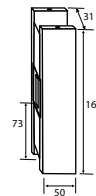
**66.2005**

**Corner Patch Lock with Strike Plate**

- With a euro profile cylinder and strike plate
- Dead bolt projection of 15mm (single throw)
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



**66.2006**

**Strike Box**

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



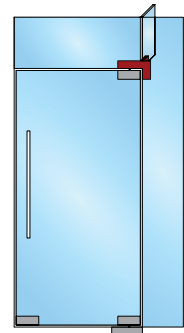
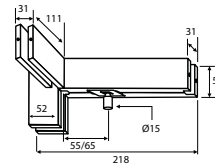
**66.2008L**

**Over Panel Side Panel Connector with Fin Fitting Left**

- With pivot pin of 15mm diameter.
- Right handed Fin
- Handing to be determined by looking from outside of the structure
- The pivot point can be altered from 55mm to 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- For door hinged on right side with fin on the inside

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside



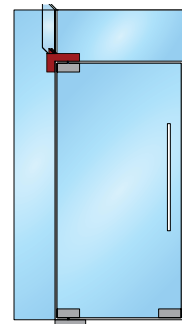
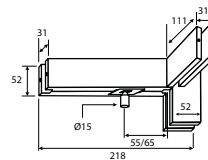
**66.2008R**

**Over Panel Side Panel Connector with Fin Fitting Right**

- With pivot pin of 15mm diameter.
- Left handed Fin
- Handing to be determined by looking from outside of the structure
- The pivot point can be altered from 55mm to 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- For door hinged on left side with fin on the inside

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside



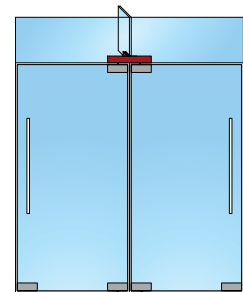
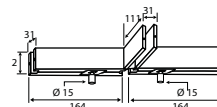
**66.2009**

**Over Panel Connector for Back To Back Doors**

- With pivot pins of 15mm diameter.
- Connecting fin with the over panel
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes :**

- 086 : Satin stainless steel
- 087 : Polish stainless steel



View from outside with Fin on the inside



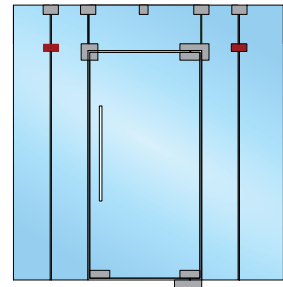
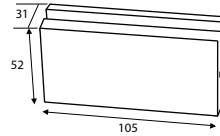
66.2010

### Double Glass Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



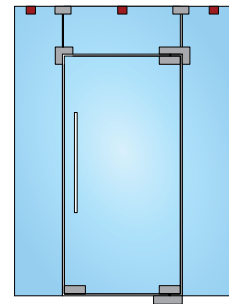
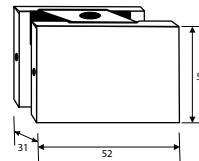
66.2011

### Glass Clamping Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



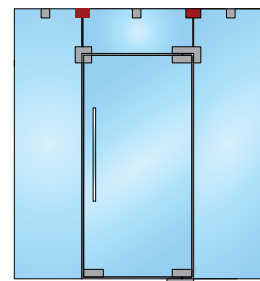
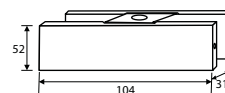
66.2012

### Glass to Glass Connecting Patch

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel







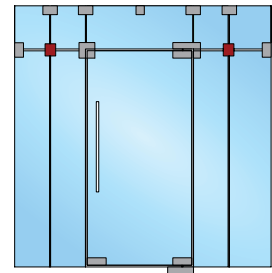
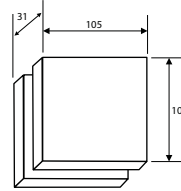
66.2013

### Quadruple Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



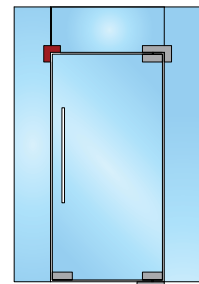
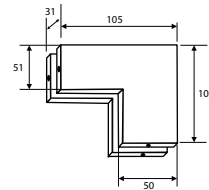
66.2014

### Over Panel Side Panel Connector

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



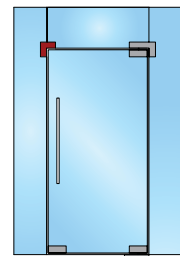
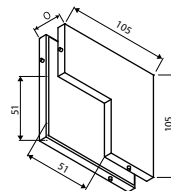
66.2015

### Over Panel & Side Panel Connector for making Door Single Action

- Square look on one side and 'L' shape look on other side
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

#### Finishes :

- 086 : Satin stainless steel
- 087 : Polish stainless steel



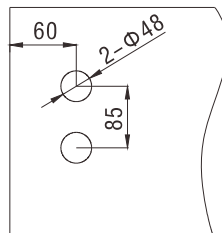
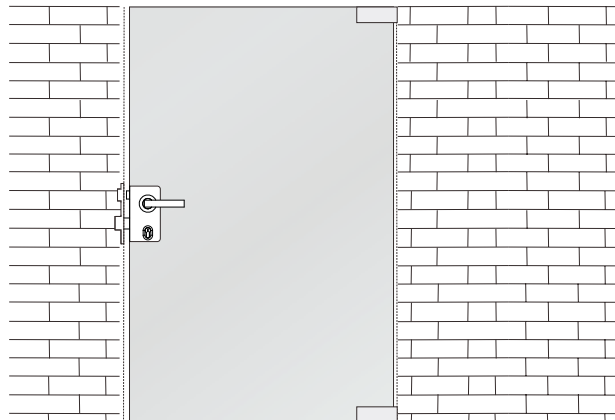


**66.4101**  
Patch strike



**Strike**

**66.4100**  
Swing door lock with lever handle





**66.3000**

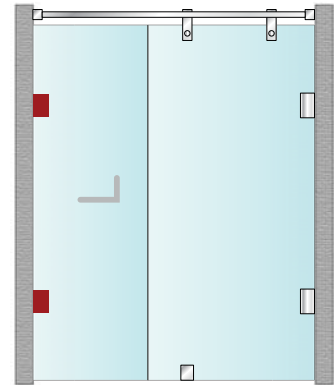
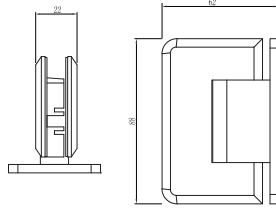
**Wall to glass hinge**

• Stainless Steel Grade 304

**Finishes :**

086 : Satin stainless steel

087 : Polish stainless steel



**66.3001**

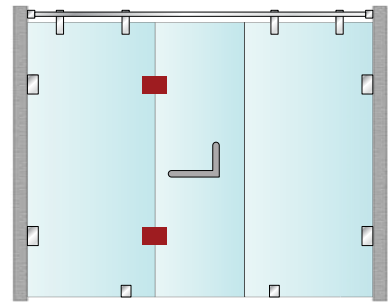
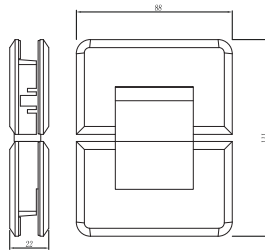
**Glass to glass hinge 180°**

• Stainless Steel Grade 304

**Finishes :**

086 : Satin stainless steel

087 : Polish stainless steel



**66.3002**

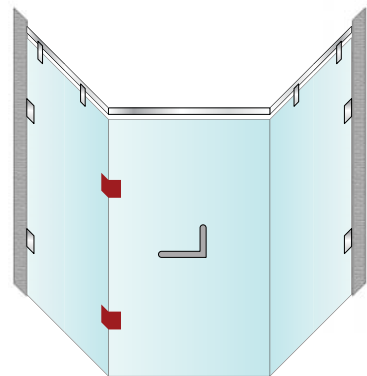
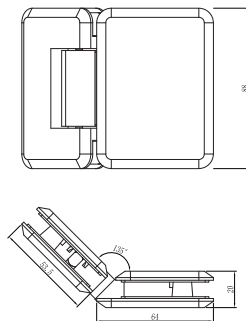
**Glass to glass bracket 135°**

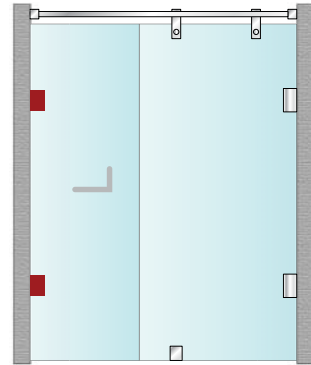
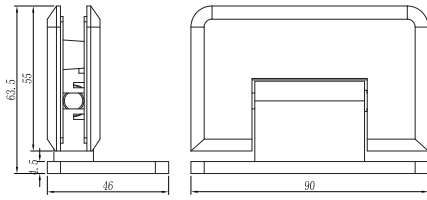
• Stainless Steel Grade 304

**Finishes :**

086 : Satin stainless steel

087 : Polish stainless steel

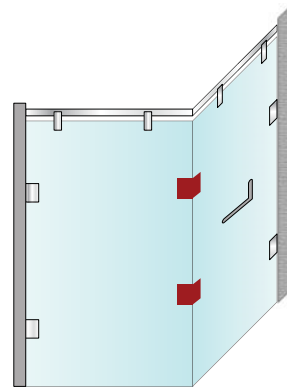
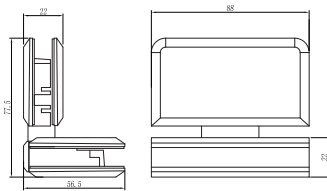




**66.3003**

**Wall to glass hinge offset**  
• Stainless Steel Grade 304

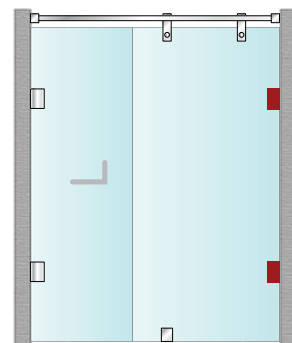
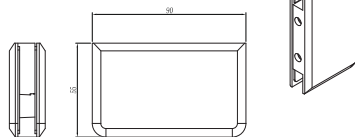
**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel



**66.3004**

**Glass to glass hinge 90°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel



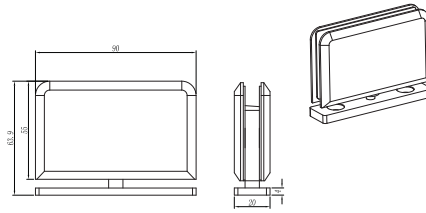
**66.3005**

**Wall to glass bracket**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

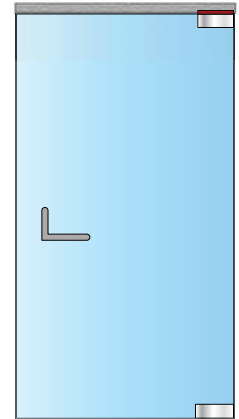


66.3006

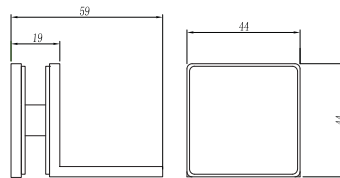


**Pivot hinge**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

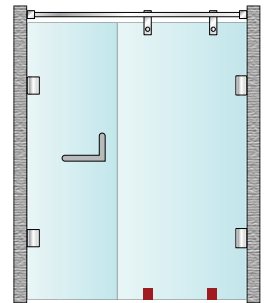


66.1000

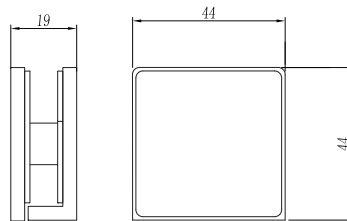


**Wall to glass bracket 90°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

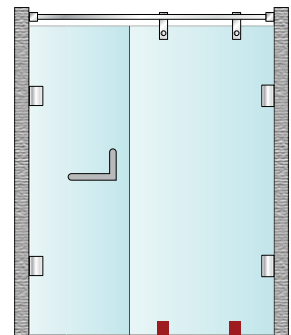


66.1001



**Bracket for floor mouting**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

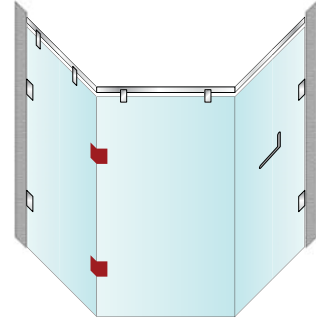
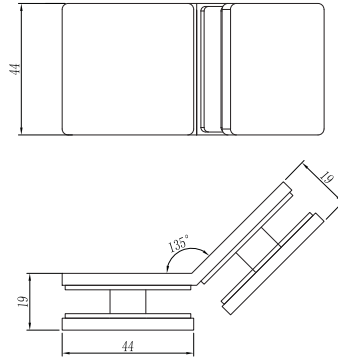




66.1002

**Glass to glass bracket 135°**  
• Stainless Steel Grade 304

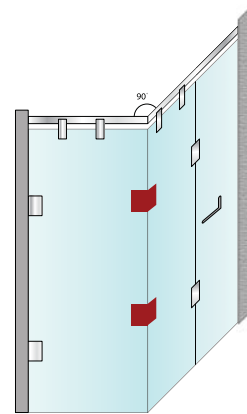
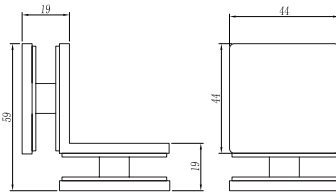
**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel



66.1003

**Glass to glass bracket 90°**  
• Stainless Steel Grade 304

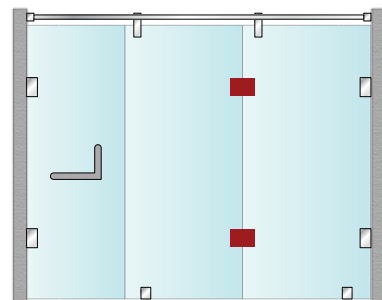
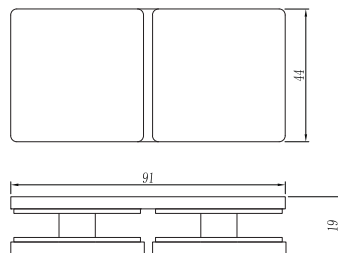
**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel

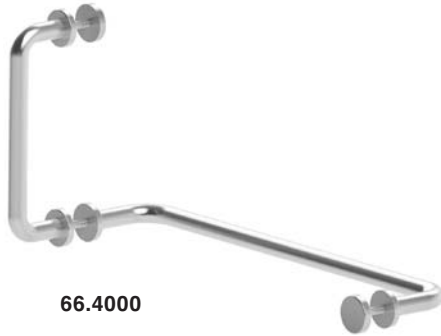


66.1004

**Glass to glass bracket 180°**  
• Stainless Steel Grade 304

**Finishes :**  
086 : Satin stainless steel  
087 : Polish stainless steel



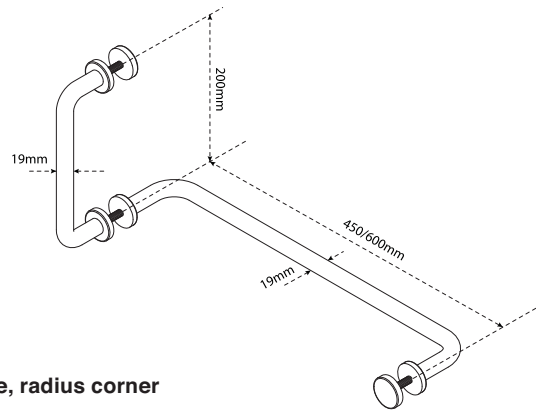


66.4000

**Stainless steel shower glass door handle, radius corner**

Size : Vertical Pull Handle: Dia 19 x 200mm  
 Horizontal Pull Handle : Dia 19 x 450mm (600 mm also available)  
 Stainless Steel Grade 304

**Finishes :**  
 086 : Satin stainless steel  
 087 : Polish stainless steel

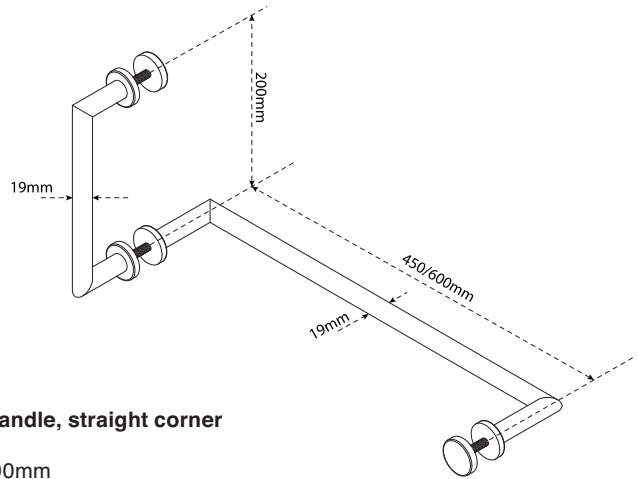


66.4001

**Stainless steel shower glass door handle, straight corner**

Size : Vertical Pull Handle: Dia 19 x 200mm  
 Horizontal Pull Handle : Dia 19 x 450mm (600 mm also available)  
 Stainless Steel Grade 304

**Finishes :**  
 086 : Satin stainless steel  
 087 : Polish stainless steel

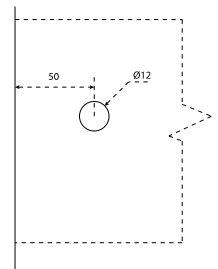
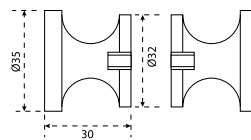


66.4010

**Stainless steel solid knob**

Size : Dia 35mm Length 30mm  
 Stainless Steel Grade 304

**Finishes :**  
 086 : Satin stainless steel  
 087 : Polish stainless steel

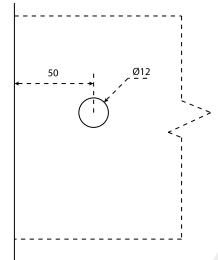
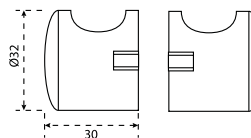


66.4011

**Stainless steel solid knob**

Size : Dia 32mm Length 30 mm  
 Stainless Steel Grade 304

**Finishes :**  
 086 : Satin stainless steel  
 087 : Polish stainless steel



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| 96.144C | B-2.5 | 93.186          | C-1.4 | 89.502   | D-1.7 | 88.110R | E-3.4 |
| 96.145C | B-2.5 | 95.171          | C-1.5 | 89.503   | D-1.7 | 88.110L | E-3.4 |
| 96.146C | B-2.5 | 95.174          | C-1.5 | 89.504   | D-1.7 | 88.418  | E-3.5 |

|              |       |             |       |         |       |
|--------------|-------|-------------|-------|---------|-------|
| 88.474       | E-3.6 | 90.522.04   | G-1.5 | 66.2012 | I-1.7 |
| 88.500       | E-3.7 | 90.522.05   | G-1.5 | 66.2013 | I-1.8 |
| 88.501       | E-3.7 | 90.522.07   | G-1.5 | 66.2014 | I-1.8 |
| 88.502       | E-3.7 | 90.202.04   | G-1.6 | 66.2015 | I-1.8 |
| 88.503       | E-3.7 | 90.003.04   | G-1.6 | 66.4101 | I-1.9 |
| 88.504       | E-3.7 | 90.204.04   | G-1.7 | 66.4100 | I-1.9 |
| 88.505       | E-3.7 | 90.001      | G-1.8 | 66.3000 | I-2.0 |
| 88.506       | E-3.7 | 90.003      | G-1.8 | 66.3001 | I-2.0 |
| 88.507A      | E-3.7 | 90.002      | G-1.9 | 66.3002 | I-2.0 |
| 88.507B      | E-3.7 | 50.1003.128 | H-1.0 | 66.3003 | I-2.1 |
| 88.507C      | E-3.7 | 50.1003.160 | H-1.0 | 66.3004 | I-2.1 |
| 88.507D      | E-3.7 | 50.1001.128 | H-1.0 | 66.3005 | I-2.1 |
| 88.901A      | E-3.7 | 50.1001.160 | H-1.0 | 66.3006 | I-2.2 |
| 88.901B      | E-3.7 | 50.1002.128 | H-1.0 | 66.1000 | I-2.2 |
| 86.214       | F-1.4 | 50.1002.192 | H-1.0 | 66.1001 | I-2.2 |
| 86.217       | F-1.5 | 50.1005.160 | H-1.0 | 66.1002 | I-2.3 |
| 86.314       | F-1.6 | 50.1005.192 | H-1.0 | 66.1003 | I-2.3 |
| 86.218       | F-1.7 | 50.1005.224 | H-1.0 | 66.1004 | I-2.3 |
| 86.221       | F-1.8 | 50.1005.256 | H-1.0 | 66.4000 | I-2.4 |
| 86.400       | F-1.9 | 50.1005.288 | H-1.0 | 66.4001 | I-2.4 |
| 86.404       | F-2.0 | 50.1006.96  | H-1.0 | 66.4010 | I-2.4 |
| 86.600EM     | F-2.1 | 50.1006.128 | H-1.0 | 66.4011 | I-2.4 |
| 86.601EM     | F-2.2 | 50.1007.128 | H-1.0 |         |       |
| 86.215       | F-2.3 | 50.1007.160 | H-1.0 |         |       |
| 86.216       | F-2.4 | 50.1007.192 | H-1.0 |         |       |
| 86.315       | F-2.5 | 50.1007.224 | H-1.0 |         |       |
| 86.316       | F-2.6 | 50.2001.15  | H-1.0 |         |       |
| 86.500       | F-2.7 | 50.2001.18  | H-1.0 |         |       |
| 86.262       | F-2.8 | 50.2001.25  | H-1.0 |         |       |
| 86.260       | F-2.9 | 50.2002.25  | H-1.0 |         |       |
| 86.261       | F-3.0 | 50.2002.30  | H-1.0 |         |       |
| 86.260HD     | F-3.1 | 66.7001     | I-1.0 |         |       |
| 86.260HDSO   | F-3.1 | 66.7002     | I-1.0 |         |       |
| 86.260XHD    | F-3.1 | 66.7003     | I-1.0 |         |       |
| 86.260HDSA   | F-3.1 | 66.7004     | I-1.1 |         |       |
| 86.260HDSASO | F-3.1 | 66.7005     | I-1.1 |         |       |
| 86.801       | F-3.2 | 66.7007     | I-1.1 |         |       |
| 66.606       | F-3.3 | 66.7008L    | I-1.2 |         |       |
| 86.272       | F-3.4 | 66.7008R    | I-1.2 |         |       |
| 86.275       | F-3.4 | 66.7009     | I-1.2 |         |       |
| 100.017      | F-3.5 | 66.701      | I-1.3 |         |       |
| 100.018      | F-3.5 | 66.702      | I-1.3 |         |       |
| 100.019      | F-3.5 | 66.2001     | I-1.4 |         |       |
| 100.020      | F-3.5 | 66.2002     | I-1.4 |         |       |
| 90.502       | G-1.2 | 66.2003     | I-1.4 |         |       |
| 90.515       | G-1.2 | 66.2004     | I-1.5 |         |       |
| 90.501       | G-1.3 | 66.2005     | I-1.5 |         |       |
| 90.520.01    | G-1.4 | 66.2006     | I-1.5 |         |       |
| 90.520.02    | G-1.4 | 66.2008L    | I-1.6 |         |       |
| 90.520.03    | G-1.4 | 66.2008R    | I-1.6 |         |       |
| 90.520.04    | G-1.4 | 66.2009     | I-1.6 |         |       |
| 90.517       | G-1.4 | 66.2010     | I-1.7 |         |       |
| 90.522.03    | G-1.5 | 66.2011     | I-1.7 |         |       |



