Hardware for doors and gates

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Gate locking

The Electric Deadbolt is suitable for Swing and Slide Gates. This bolt is manufactured from rust proof materials and can only be fitted in the vertical position. The 20mmø bolt has a throw of 55mm and is fitted with a keyed cylinder which allows manual override from both sides if required.

**Note:** This unit requires a dedicated power supply: 24V DC (peak current 5A/holding current 750/900MA)

**MODEL 28800**
As illustrated with stainless steel cover and mounting plate.

**MODEL 28800 LC**
Economy model with galvanised black painted cover and no mounting plate.
These Electromagnetic Gate Locks are suitable for Swing Gates only, these locks are fully weatherproof and have stainless steel bodies.

**MODEL 13400 FOR LIGHT GATES**
- Holding force: 300kg surface mounted
- Operating Voltage:
  - 12Vdc, current 350mA
- Dimensions:
  - Body 230x45x30 / Plate 185x45x14

**MODEL 14212R FOR HEAVY GATES**
- Holding force: 600kg surface mounted
- Supplied with sensor
- Dimensions:
  - Body 204x65x41 / Plate 185x60x11

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>14212R/12</td>
<td>12Vdc</td>
<td>450mA</td>
</tr>
<tr>
<td>14212R/24</td>
<td>24Vdc</td>
<td>230mA</td>
</tr>
</tbody>
</table>
Janus locks are designed for metal security gates and grilles and offer a convenient and economic solution for many applications. The locks are welded into position prior to painting or galvanising and an expensive lock box is not required. Locking is effected by depressing the outer button which engages the hardened steel pin; unlocking is by key only. They are not designed for high security installations.
WELKA DEADLOCK 07150000
Throw 28mm

All dimensions in millimeters

WELKA LATCH LOCK 05550000
Throw 32mm
Reversible Latch

All Welka locks are supplied with a 54mm cylinder with 3 keys. The cylinder can be supplied ‘keyed alike’ for multiple installations.
Gate closers

This closer is designed for self-closing personnel gates up to 1000mm wide and 50kg in weight. The gas powered pump is adjustable for both the closing and latching speeds. The closer is face fixed to the ‘pull side of the gate and fitted with an optional hold-open facility. The steel casing is finished in black.

**GATE CLOSER GC2000**

<table>
<thead>
<tr>
<th>A 45mm</th>
<th>B 63mm</th>
<th>C 280mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 30mm</td>
<td>E 45mm</td>
<td></td>
</tr>
</tbody>
</table>

**Note 1** - The distance between the gate and post should be as close as possible, also the faces of both the gate and the gate post must be flush. Therefore it may be necessary for the installer to fabricate mounting brackets, to ensure the correct operation of the closer.

**Note 2** - Two closers must not be fitted onto one gate.

**Note 3** - All gate closers will only function efficiently, if the gate is swinging freely on the hinges at all times, also that any latch or lock is operating correctly.
This closer is designed for self-closing personnel gates up to 1000mm wide and 100kg in weight. The unit is fixed to both the gate and gate post by welding. It consists of a hydraulic power assembly housed within a protective cowling. Closing and latching speeds are fully adjustable. The unique design allows fixing at either side of the gate, also parallel or at 90° to the gate.

The cowling is galvanised steel and the hydraulic unit is filled with special oil to withstand temperature changes.

### GATE CLOSER PORTER

<table>
<thead>
<tr>
<th>Cowling dimensions (mm):</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 wide x 150 deep x 125 high</td>
</tr>
</tbody>
</table>
Gate hardware

GATE SPRING HINGES ‘GSH1A’

Maximum gate weight: 60kg
Maximum gate size: 1830mm high x 1220mm wide
Hinges fixed at 100mm from top and bottom of the gate.

These hinges are moulded from special glass fibre reinforced polymers to provide hinges which do not drop, bend or stain. They require no lubrication and can be adjusted by using only a screwdriver. The hinges are supplied in pairs and are face fixed to the gate. The internal springs are stainless steel.

PADBOLT 285
Maximum Ø padlock shackle 10mm

PADBOLT 286
Maximum Ø padlock shackle 10mm

 PATENTED TENSION
ADJUSTMENT

Note 1 - These hinges do not offer ‘controlled closing’ Note 2 - These hinges must not be installed on any gate already fitted with other hinges. Note 3 - A stop must be fitted to prevent the gate closing past the line of the fence. (ie to close not further than 180°).

All dimensions in millimeters
**GRAVITY CATCH 590**
Cast iron, black epoxy painted

A 260mm  B 160mm

**CENTRE STOP 592**
Cast iron, black epoxy painted

A 150mm  B 120mm  C 95mm  D 70mm

**GRAVITY CATCH 591**
Steel, black epoxy painted

A 260mm  B 65mm

**JOCKEY WHEEL 202**
70 kg rating with 50mm vertical travel
Galvanised body with enclosed spring
100mm ø solid rubber tyre

**DROP BOLT 260**
Models 260/450mm and 260/750mm
Bolt ø 16mm. Hot spelter galvanised

**HASP AND STAPLE 145**
150mm. Hot spelter galvanised

**PADLOCK**
6 lever insurance approved
Keyed alike for multiple installations
These two part lift off hinges are available in nine sizes from 45mm to 200mm and can be used on doors of either hand. The tear-drop knuckle profiles are machined from hot rolled easy weld steel sections and are fitted with a fixed steel pin. All sizes are complete with a brass washer but as an alternative, a limited range can be fitted with a ball bearing washer. Five sizes are also available in stainless steel. (Grade 304L)

**Note:** Ball bearing washer increases overall height by 4mm approx. Ball bearing washers are recommended for heavy duty doors and doors which are in constant use. The bearing assembly consists of 2 hardened steel cones in a steel case.

<table>
<thead>
<tr>
<th>Height mm</th>
<th>45</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>140</th>
<th>160</th>
<th>180</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Section A x B mm</td>
<td>10x12.5</td>
<td>10x12.5</td>
<td>13x16</td>
<td>16x20</td>
<td>16x20</td>
<td>20x25</td>
<td>20x25</td>
<td>23x29</td>
<td>23x29</td>
</tr>
<tr>
<td>Pin ø mm</td>
<td>5.5</td>
<td>5.5</td>
<td>7</td>
<td>9</td>
<td>9</td>
<td>11</td>
<td>12</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Steel with brass washer</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Ball bearing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Grease nipple</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>All stainless steel</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
A simple and economical system for single action, self-closing, steel doors. Both the spring unit and hinges are weld fixed to the door and frame. The spring unit has an adjustable strength spring whilst the hinges have brass pins and ball bearing washer.

**Two hardware kits are available:**

**For doors up to 60kg/1000mm wide**

Kit 551/60/257 consisting of 1 spring unit and 2 hinges.

**For doors up to 100kg/1200mm wide**

Kit 551/100/257 consisting of 2 spring units and 2 hinges.

The hardware can be fitted to doors of either hand.

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**Spring unit No. 551**

**Hinge No. 257**

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**SPRING HINGE 551/257**

<table>
<thead>
<tr>
<th>Code</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>φ</th>
</tr>
</thead>
<tbody>
<tr>
<td>551</td>
<td>250</td>
<td>22</td>
<td>25</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>257</td>
<td>150</td>
<td>22</td>
<td>25</td>
<td>7</td>
<td>14</td>
</tr>
</tbody>
</table>

All dimensions in millimeters
These two part lift-off hinges are available in eight sizes and because the flag plates are not offset they can be fitted to doors of either hand. The mild steel flag plates are electrically welded to the round, steel knuckle which is fitted with a steel pin. All sizes are complete with a brass washer but as an alternative a limited range can be fitted with a ball bearing washer. All sizes incorporate an oiling hole and cap.

A heavy duty lift-off hinge with offset flags. The hinge parts are machined from a hot rolled mild steel profile and supplied unplated for either welding or bolt fixing. The adjustable 14mm ø zinc plated steel pin is fitted with a ball bearing washer. As these hinges are handed - please specify when ordering.

### FLAG HINGE 1150RR

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>140</td>
<td>65</td>
<td>67</td>
<td>6</td>
<td>ø22</td>
<td>ø14</td>
</tr>
</tbody>
</table>
Three flag hinge: These are specially designed for heavy steel doors. The large diameter steel pin is removable to make the door easier to hang. They are supplied with special ball bearing washers. Made to order only, in mild steel.

**FLAG HINGE 220/280**

<table>
<thead>
<tr>
<th>Size mm</th>
<th>220</th>
<th>280</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate size A \times B mm</td>
<td>50x70</td>
<td>75x90</td>
</tr>
<tr>
<td>Plate thickness C mm</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>Knuckle ø mm</td>
<td>28</td>
<td>32</td>
</tr>
<tr>
<td>Pin ø mm</td>
<td>18</td>
<td>20</td>
</tr>
</tbody>
</table>

Stainless steel two flag hinge: These hinges are fabricated in stainless steel (grade 304) with the flags electronically welded to the round profile knuckle. They are fitted with a fixed stainless steel pin and washer.

SS FLAG HINGE

<table>
<thead>
<tr>
<th>Size mm</th>
<th>80</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plate size A \times E mm</td>
<td>40x40</td>
<td>50x50</td>
</tr>
<tr>
<td>Plate thickness C mm</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Knuckle ø mm</td>
<td>18</td>
<td>20</td>
</tr>
<tr>
<td>Pin ø mm</td>
<td>9</td>
<td>12</td>
</tr>
</tbody>
</table>
BACKFLAP HINGE 579
Double welded plates and brass pin
A 50mm  B 45mm  C 5mm
A 50mm  B 90mm  C 7mm
A 75mm  B 90mm  C 9mm
A 75mm  B 140mm C 10mm

SECURITY BUTT HINGE 899X
Double pressed plates with security pins
A 100mm  B 30mm  C 4mm

LUG HINGE
Fully removable pins secured with a circlip
A 12mm  B 22mm  C 90mm
A 15mm  B 25mm  C 90mm
A 20mm  B 33mm  C 98mm

TEE HINGE 580
Welded knuckle
A 115mm  B 55mm  C 195mm  D 55mm

BUTT HINGE 451T
Cranked plates
A 100mm  B 30mm  C 3mm

BUTT HINGE 1838T
Cranked plates
A 50mm  B 15mm  C 1.2mm
A 75mm  B 20mm  C 1.5mm
A 100mm  B 23mm  C 1.8mm

BUTT HINGE 5050T
Uncranked plates
A 50mm  B 15mm  C 1.2mm
A 75mm  B 20mm  C 1.5mm
A 100mm  B 23mm  C 1.8mm
A 150mm  B 32mm  C 2mm

BUTT HINGE 575
Uncranked, double welded plates
A 100mm  B 40mm  C 6mm
A 150mm  B 65mm  C 6mm

BUTT HINGE 899T
Uncranked, double pressed plates
A 100mm  B 30mm  C 4mm
A 150mm  B 40mm  C 7mm

BACKFLAP HINGE 579
Double welded plates and brass pin
A 50mm  B 45mm  C 5mm
A 50mm  B 90mm  C 7mm
A 75mm  B 90mm  C 9mm
A 75mm  B 140mm C 10mm

SECURITY BUTT HINGE 899X
Double pressed plates with security pins
A 100mm  B 30mm  C 4mm

LUG HINGE
Fully removable pins secured with a circlip
A 12mm  B 22mm  C 90mm
A 15mm  B 25mm  C 90mm
A 20mm  B 33mm  C 98mm

TEE HINGE 580
Welded knuckle
A 115mm  B 55mm  C 195mm  D 55mm

BUTT HINGE 451T
Cranked plates
A 100mm  B 30mm  C 3mm

BUTT HINGE 1838T
Cranked plates
A 50mm  B 15mm  C 1.2mm
A 75mm  B 20mm  C 1.5mm
A 100mm  B 23mm  C 1.8mm

BUTT HINGE 5050T
Uncranked plates
A 50mm  B 15mm  C 1.2mm
A 75mm  B 20mm  C 1.5mm
A 100mm  B 23mm  C 1.8mm
A 150mm  B 32mm  C 2mm

BUTT HINGE 575
Uncranked, double welded plates
A 100mm  B 40mm  C 6mm
A 150mm  B 65mm  C 6mm

BUTT HINGE 899T
Uncranked, double pressed plates
A 100mm  B 30mm  C 4mm
A 150mm  B 40mm  C 7mm
Door checks

Door checks can be fitted to both internal and external doors and are hydraulically dampened to eliminate slamming during the final 10° of closing. Also doors that do not have latches are held in the closed position thus avoiding uncontrolled opening and closing due to wind pressure.

MODEL FR1G/0112.01
Mild steel/silver painted
For internal use only.

MODEL FR1G/0112.15
Stainless steel
For internal and external use.

All dimensions in millimeters

MODEL FRIG/0112.15
Stainless steel

850 max
40kg max weight
Spring hinges

A range of hinges which are suitable for internal and external use, all of which have adjustable strength leaf springs; fully tested to 500,000 cycles.

**Aluminium hinges:**
For internal use only
Nylon washers with mild steel springs
Finish - anodised silver or gold

**Stainless Steel Hinges:**
For internal and external use
Stainless steel washers and springs
Material - Stainless steel grade 304

### Single action hinges

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Finish</th>
<th>Weight Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA120/5314.01</td>
<td>Single action silver anodised</td>
<td></td>
<td>60kg max weight</td>
</tr>
<tr>
<td>SA120/5314.02</td>
<td>Single action gold anodised</td>
<td></td>
<td>60kg max weight</td>
</tr>
<tr>
<td>SA120/5314.05</td>
<td>Single action stainless steel</td>
<td></td>
<td>60kg max weight</td>
</tr>
<tr>
<td>SA180/5814.01</td>
<td>Single action silver anodised</td>
<td></td>
<td>80kg max weight</td>
</tr>
<tr>
<td>SA180/5814.02</td>
<td>Single action gold anodised</td>
<td></td>
<td>80kg max weight</td>
</tr>
<tr>
<td>SA180/5814.05</td>
<td>Single action stainless steel</td>
<td></td>
<td>80kg max weight</td>
</tr>
</tbody>
</table>

All dimensions in millimeters.
Double action hinges

Typical two door installation

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.01
Silver anodised

MODEL DA180/5914.05
Stainless steel

MODEL DA120/5414.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

All dimensions in millimeters

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

Stainless steel

All dimensions in millimeters

Double action hinges

Typical two door installation

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.01
Silver anodised

MODEL DA180/5914.05
Stainless steel

MODEL DA120/5414.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

Stainless steel

Double action hinges

Typical two door installation

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.01
Silver anodised

MODEL DA180/5914.05
Stainless steel

MODEL DA120/5414.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

Stainless steel

Double action hinges

Typical two door installation

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.01
Silver anodised

MODEL DA180/5914.05
Stainless steel

MODEL DA120/5414.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

Stainless steel

Double action hinges

Typical two door installation

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.01
Silver anodised

MODEL DA180/5914.05
Stainless steel

MODEL DA120/5414.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

Stainless steel

Double action hinges

Typical two door installation

MODEL DA120 5414.01
Double action silver anodised

MODEL DA120 5414.02
Double action gold anodised

MODEL DA180/5914.01
Silver anodised

MODEL DA180/5914.05
Stainless steel

MODEL DA120/5414.05
Double action stainless steel

MODEL DA180/5914.05
Double action stainless steel

MODEL DA180/5914.01
Double action silver anodised

MODEL DA180/5914.02
Double action gold anodised

Stainless steel

Double action hinges

Typical two door installation
Exit hardware

All exit hardware is reversible and is finished in silver grey
Our exit hardware is Ce compliant

PANIC BOLT 294
Two point locking
Use 2 sets for double doors with plain meeting stiles
Conforms to EN1125
Maximum door height: 2400mm

PANIC LATCH 296
Single point locking
Conforms to EN1125

PUSH PAD LATCH 297
Conforms to EN179

EXTERNAL LOCKING KNOBSET 298
Can be used with the Panic Bolt, Latch and Push pad
Also available from Barrier Components

Brush strip
A complete range of brush strips plus garage door weatherseals

Sliding door hardware
The systems shown in this catalogue are manufactured by Jelbert Oy of Finland and are designed for matching straight sliding doors.

Gate accessories
The systems shown in this catalogue are manufactured by F.A.C. SRL of Italy

Gate locks and accessories
The systems shown in this catalogue are manufactured by Excisalux nv
<table>
<thead>
<tr>
<th>industrial</th>
<th>commercial</th>
<th>residential</th>
</tr>
</thead>
</table>

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