

# 2023

 **GAYNER**

## AUTOMATISMOS Y HERRAJES PARA PUERTAS METÁLICAS Y OTRAS

|            |  |  |          |
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### 3.1 - Puertas correderas

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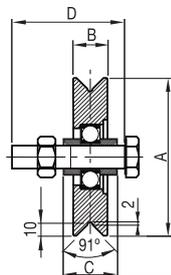
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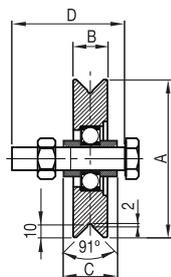
### Ruedas 1 cojinete - Canal V. Zincadas



| Código | A (mm) | B (mm) | C (mm) | D (mm) |          |     |   |
|--------|--------|--------|--------|--------|----------|-----|---|
| 80-104 | 80     | 24     | 32     | M16x70 | 6204-2RS | 650 | 6 |
| 80-108 | 100    | 24     | 32     | M16x70 | 6204-2RS | 650 | 6 |
| 80-112 | 120    | 24     | 32     | M16x70 | 6204-2RS | 650 | 6 |
| 80-116 | 140    | 26     | 36     | M16x70 | 6204-2RS | 650 | 6 |
| 80-120 | 160    | 26     | 36     | M16x70 | 6204-2RS | 650 | 5 |
| 80-122 | 200    | 26     | 36     | M16x70 | 6204-2RS | 650 | 4 |

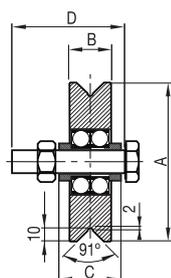
### Ruedas 1 cojinete - Canal V. INOX

**INOX AISI 304**



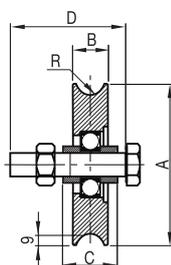
| Código | A (mm) | B (mm) | C (mm) | D (mm) |          |     |   |
|--------|--------|--------|--------|--------|----------|-----|---|
| 80-124 | 80     | 20     | 33     | M14x70 | 6204-2RS | 200 | 6 |
| 80-126 | 100    | 22     | 33     | M14x70 | 6204-2RS | 230 | 6 |
| 80-128 | 120    | 22     | 33     | M14x70 | 6204-2RS | 250 | 4 |

### Ruedas 2 cojinetes - Canal V. Zincadas



| Código    | A (mm) | B (mm) | C (mm) | D (mm) |            |      |   |
|-----------|--------|--------|--------|--------|------------|------|---|
| 80-129/10 | 100    | 28     | 44     | M16x70 | 2x6204-2RS | 1300 | 5 |
| 80-129/14 | 120    | 28     | 44     | M16x70 | 2x6204-2RS | 1300 | 5 |
| 80-129/18 | 140    | 32     | 44     | M16x70 | 2x6204-2RS | 1300 | 4 |
| 80-129/22 | 160    | 32     | 44     | M16x70 | 2x6204-2RS | 1300 | 4 |
| 80-129/26 | 200    | 26     | 44     | M16x70 | 2x6204-2RS | 1300 | 4 |

### Ruedas 1 cojinete - Canal U. Zincadas



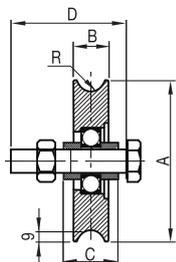
| Código    | A (mm) | B (mm) | C (mm) | D (mm) | R (mm) |          |     |   |
|-----------|--------|--------|--------|--------|--------|----------|-----|---|
| 80-130/16 | 80     | 24     | 32     | M16x70 | 8      | 6204-2RS | 650 | 6 |
| 80-134/16 | 100    | 24     | 32     | M16x70 | 8      | 6204-2RS | 650 | 6 |
| 80-138/16 | 120    | 24     | 32     | M16x70 | 8      | 6204-2RS | 650 | 6 |
| 80-130    | 80     | 24     | 32     | M16x70 | 10     | 6204-2RS | 650 | 6 |
| 80-134    | 100    | 24     | 32     | M16x70 | 10     | 6204-2RS | 650 | 6 |
| 80-138    | 120    | 24     | 32     | M16x70 | 10     | 6204-2RS | 650 | 6 |
| 80-142    | 140    | 26     | 36     | M16x70 | 10     | 6204-2RS | 650 | 6 |
| 80-146    | 160    | 26     | 36     | M16x70 | 10     | 6204-2RS | 650 | 5 |
| 80-146/4  | 200    | 26     | 36     | M16x70 | 10     | 6204-2RS | 650 | 4 |



### 3.1 - Puertas correderas

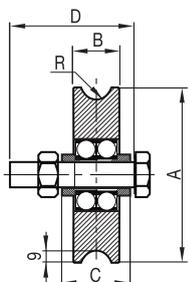
#### Ruedas 1 cojinete - Canal U. INOX

INOX AISI 304



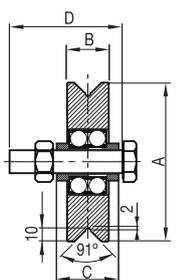
| Código   | A (mm) | B (mm) | C (mm) | D (mm) | R (mm) |  |  (Kg) |  |
|----------|--------|--------|--------|--------|--------|---|--|---|
| 80-147/2 | 80     | 24     | 33     | M14x70 | 10     | 6204-2RS  | 200  | 6   |
| 80-147/4 | 100    | 24     | 33     | M14x70 | 10     | 6204-2RS  | 230  | 6   |
| 80-147/6 | 120    | 24     | 33     | M14x70 | 10     | 6204-2RS  | 250  | 4   |

#### Ruedas 2 cojinetes - Canal U. Zincadas



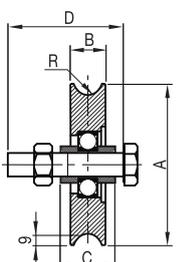
| Código    | A (mm) | B (mm) | C (mm) | D (mm) | R (mm) |  |  (Kg) |  |
|-----------|--------|--------|--------|--------|--------|---|--|---|
| 80-147/70 | 100    | 28     | 44     | M16x70 | 10     | 6004-2RS  | 750  | 5   |
| 80-147/72 | 120    | 28     | 44     | M16x70 | 10     | 6004-2RS  | 850  | 5   |
| 80-147/74 | 140    | 32     | 44     | M16x70 | 10     | 6004-2RS  | 900  | 4   |
| 80-147/76 | 160    | 32     | 44     | M16x70 | 10     | 6204-2RS  | 1000   | 2   |
| 80-147/79 | 200    | 32     | 44     | M16x70 | 10     | 6204-2RS  | 1200   | 2   |

#### Ruedas nylon 1 cojinete - Canal V.



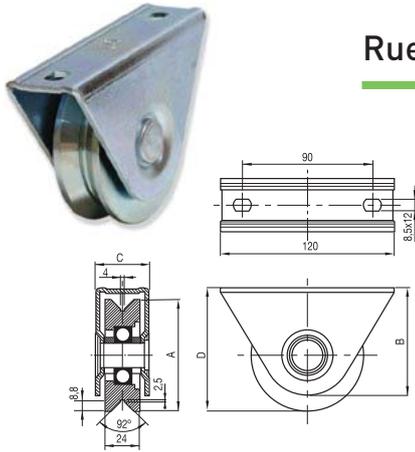
| Código   | A (mm) | B (mm) | C (mm) | D (mm) |  |  (Kg) |  |
|----------|--------|--------|--------|--------|---|--|---|
| 80-148/2 | 80     | 26     | 32     | M16x70 | 6004-2RS  | 300  | 6   |
| 80-148/4 | 100    | 26     | 32     | M16x70 | 6004-2RS  | 400  | 6   |
| 80-148/6 | 120    | 26     | 32     | M16x70 | 6004-2RS  | 400  | 6   |

#### Ruedas nylon 1 cojinete - Canal U.



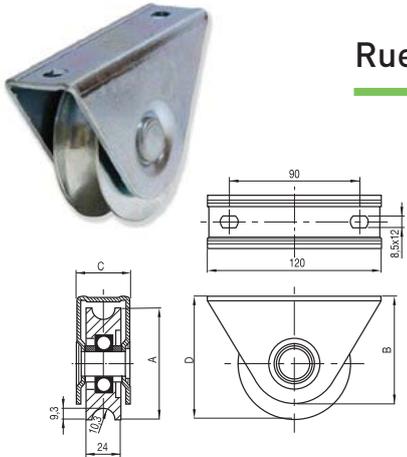
| Código   | A (mm) | B (mm) | C (mm) | D (mm) | R (mm) |  |  (Kg) |  |
|----------|--------|--------|--------|--------|--------|---|--|---|
| 80-150/2 | 80     | 26     | 32     | M16x70 | 10     | 6004-2RS  | 300  | 6   |
| 80-150/4 | 100    | 26     | 32     | M16x70 | 10     | 6004-2RS  | 400  | 6   |
| 80-150/6 | 120    | 26     | 32     | M16x70 | 10     | 6004-2RS  | 400  | 6   |

Ruedas con soporte sobreponer - Canal V. Zincadas



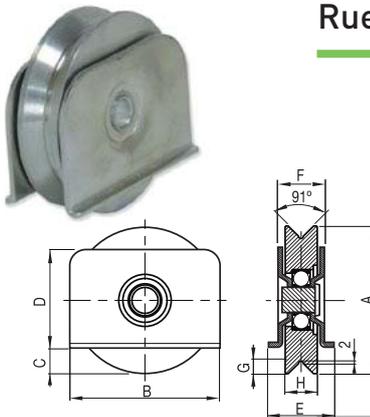
| Código | A (mm) | B (mm) | C (mm) | D (mm) |          | (Kg) |   |
|--------|--------|--------|--------|--------|----------|------|---|
| 80-152 | 80     | 75     | 40     | 86     | 6004-2RS | 200  | 4 |
| 80-154 | 100    | 85     | 40     | 105    | 6004-2RS | 230  | 4 |

Ruedas con soporte sobreponer - Canal U. Zincadas



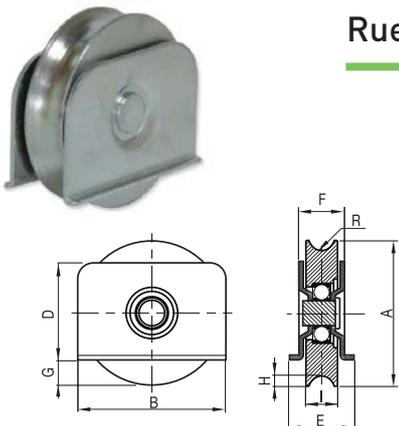
| Código | A (mm) | B (mm) | C (mm) | D (mm) |          | (Kg) |   |
|--------|--------|--------|--------|--------|----------|------|---|
| 80-158 | 80     | 75     | 37     | 86     | 6004-2RS | 200  | 4 |
| 80-162 | 100    | 85     | 39     | 105    | 6004-2RS | 230  | 4 |

Ruedas con soporte soldar - Canal V. Zincadas



| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) |          | (Kg) |   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|---|
| 80-166 | 80     | 80     | 15     | 65     | 46     | 34     | 8,8    | 24     | 6004-2RS | 200  | 4 |
| 80-170 | 100    | 100    | 18     | 82     | 46     | 34     | 8,8    | 24     | 6004-2RS | 230  | 4 |
| 80-174 | 120    | 120    | 20     | 100    | 46     | 34     | 9,8    | 24     | 6004-2RS | 250  | 4 |
| 80-178 | 140    | 140    | 22     | 118    | 46     | 34     | 10,8   | 24     | 6004-2RS | 280  | 4 |

Ruedas con soporte soldar - Canal U. Zincadas

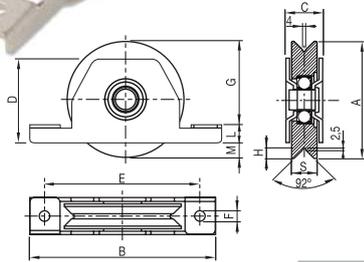


| Código    | A (mm) | B (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | R (mm) |          | (Kg) |   |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|---|
| 80-182/16 | 80     | 80     | 65     | 46     | 34     | 15     | 7,3    | 8      | 6004-2RS | 200  | 4 |
| 80-186/16 | 100    | 100    | 82     | 46     | 34     | 18     | 7,3    | 8      | 6004-2RS | 230  | 4 |
| 80-190/16 | 120    | 120    | 100    | 46     | 34     | 20     | 7,3    | 8      | 6004-2RS | 250  | 4 |
| 80-182    | 80     | 80     | 65     | 46     | 34     | 15     | 9,3    | 10     | 6004-2RS | 200  | 4 |
| 80-186    | 100    | 100    | 82     | 46     | 34     | 18     | 9,3    | 10     | 6004-2RS | 230  | 4 |
| 80-190    | 120    | 120    | 100    | 46     | 34     | 20     | 9,3    | 10     | 6004-2RS | 250  | 4 |
| 80-194    | 140    | 140    | 118    | 46     | 34     | 22     | 10,3   | 10     | 6004-2RS | 280  | 4 |

### 3.1 - Puertas correderas



#### Ruedas con soporte encastrar - Canal V. Zincadas

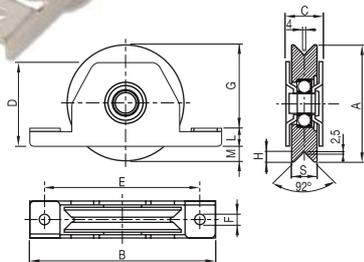


| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | L (mm) | M (mm) | (Kg) |   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 80-198 | 80     | 135    | 32     | 52     | 110    | 8      | 49,5   | 8,8    | 14     | 16     | 200  | 4 |
| 80-202 | 100    | 155    | 34     | 63     | 130    | 8      | 61,0   | 8,8    | 16     | 23     | 230  | 4 |
| 80-206 | 120    | 185    | 34     | 80     | 155    | 10     | 85,5   | 9,8    | 19     | 23     | 250  | 4 |
| 80-210 | 140    | 205    | 34     | 94     | 175    | 10     | 105    | 10,8   | 19     | 30     | 280  | 4 |



#### Ruedas con soporte encastrar - Canal V. INOX

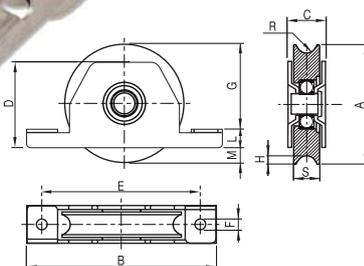
**INOX AISI 304**



| Código   | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | L (mm) | M (mm) | (Kg) |   |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 80-212/2 | 90     | 155    | 33     | 130    | 110    | 8      | 65,5   | 8,8    | 15     | 19     | 210  | 4 |
| 80-212/4 | 100    | 155    | 33     | 130    | 130    | 8      | 70,5   | 8,8    | 15     | 13     | 230  | 4 |
| 80-212/6 | 120    | 185    | 33     | 155    | 155    | 10     | 87,0   | 9,8    | 15     | 16     | 250  | 4 |



#### Ruedas con soporte encastrar - Canal U. Zincadas

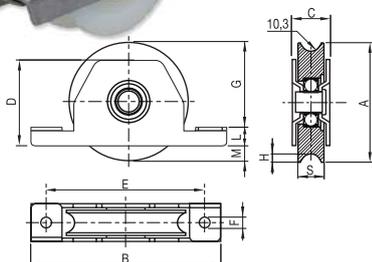


| Código    | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | L (mm) | M (mm) | R (mm) | (Kg) |   |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 80-214/16 | 80     | 139    | 33     | 58     | 110    | 8      | 49,5   | 9,3    | 14     | 14     | 8      | 200  | 4 |
| 80-218/16 | 100    | 159    | 35     | 63     | 130    | 8      | 69,5   | 9,3    | 16     | 23     | 8      | 230  | 4 |
| 80-222/16 | 120    | 185    | 36     | 70     | 155    | 8      | 85,5   | 9,3    | 19     | 22     | 8      | 250  | 4 |
| 80-214    | 80     | 139    | 33     | 58     | 110    | 8      | 49,5   | 9,3    | 14     | 14     | 10     | 200  | 4 |
| 80-218    | 100    | 159    | 35     | 63     | 130    | 10     | 69,5   | 9,3    | 16     | 23     | 10     | 230  | 4 |
| 80-222    | 120    | 185    | 36     | 70     | 155    | 10     | 85,5   | 9,3    | 19     | 22     | 10     | 250  | 4 |
| 80-226    | 140    | 205    | 37     | 74     | 175    | 10     | 105,0  | 10,3   | 19     | 28     | 10     | 280  | 4 |



#### Ruedas poliamida con soporte encastrar - Canal U. INOX

**INOX AISI 304**



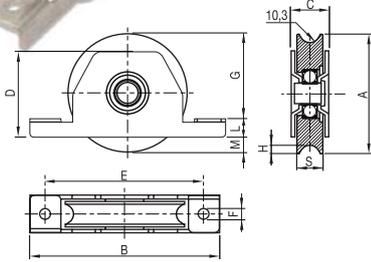
| Código   | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | G (mm) | H (mm) | L (mm) | L (mm) | (Kg) |   |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 80-226/5 | 80     | 135    | 32     | 52     | 115    | 49,5   | 8,8    | 14     | 16     | 200  | 4 |
| 80-226/7 | 100    | 155    | 32     | 70     | 130    | 69,0   | 8,8    | 16     | 22     | 230  | 4 |

3



Ruedas con soporte encastar - Canal U. INOX

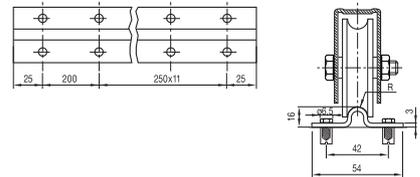
INOX AISI 304



| Código   | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | G (mm) | H (mm) | L (mm) | L (mm) | (Kg) |   |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 80-227/2 | 90     | 155    | 33     | 63     | 130    | 55     | 7      | 16     | 19     | 200  | 6 |
| 80-227/4 | 100    | 155    | 33     | 63     | 130    | 61     | 7      | 16     | 23     | 230  | 4 |
| 80-227/6 | 120    | 185    | 35     | 70     | 155    | 79     | 7      | 19     | 22     | 250  | 4 |



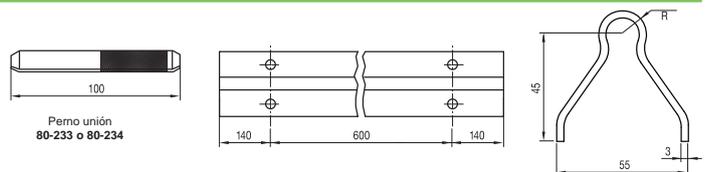
Rail atornillar - Zincado



| Código    | R (mm) | Material | ø     | D (mm) | (Kg)  |   |
|-----------|--------|----------|-------|--------|-------|---|
| 80-228/16 | 8      | Acero    | 3.000 | 3.000  | 1.000 | 1 |
| 80-228    | 10     | Acero    | 3.000 | 3.000  | 1.000 | 1 |
| 80-228/I  | 10     | INOX     | 3.000 | 3.000  | 1.000 | 1 |



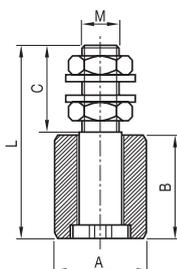
Rail empotrar - Zincado



| Código | R (mm) | Material    | ø     | D (mm) | (Kg)  |   |
|--------|--------|-------------|-------|--------|-------|---|
| 80-229 | 8      | Acero       | 3.000 | 3.000  | 500   | 1 |
| 80-233 |        | Perno union | 9     |        |       | 1 |
| 80-230 | 10     | Acero       | 3.000 | 3.000  | 1.000 | 1 |
| 80-234 |        | Perno union | 12    |        |       | 1 |



Rodillo guía nylon - Zincado / INOX AISI 304

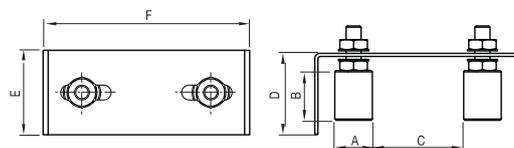


| Código   | Material | øA (mm) | B (mm) | C (mm) | L (mm) | M (mm) |    |
|----------|----------|---------|--------|--------|--------|--------|----|
| 80-236   | Acero    | 25      | 40     | 32     | 74     | M14    | 28 |
| 80-236/I | INOX     | 25      | 40     | 32     | 74     | M14    | 28 |
| 80-238   | Acero    | 30      | 40     | 32     | 74     | M14    | 26 |
| 80-238/I | INOX     | 30      | 40     | 32     | 74     | M14    | 26 |
| 80-240   | Acero    | 35      | 40     | 40     | 90     | M14    | 24 |
| 80-240/I | INOX     | 35      | 45     | 40     | 85     | M14    | 24 |
| 80-242   | Acero    | 40      | 60     | 40     | 100    | M16    | 20 |
| 80-242/I | INOX     | 40      | 60     | 45     | 105    | M16    | 24 |

### 3.1 - Puertas correderas



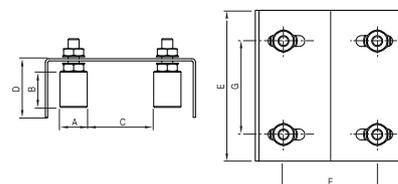
#### Soporte 2 rodillos guía - Zincado



| Código | ∅A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) |  |
|--------|---------|--------|--------|--------|--------|--------|---|
| 80-244 | 30      | 40     | 35-80  | 65     | 68     | 165    | 4   |



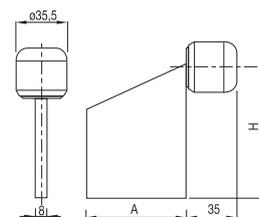
#### Soporte 4 rodillos guía - Zincado



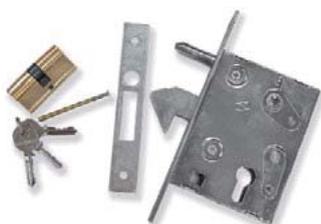
| Código | ∅A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm)  | G (mm) |  |
|--------|---------|--------|--------|--------|--------|---------|--------|---|
| 80-246 | 30      | 40     | 20-70  | 56     | 200    | 140-180 | 155    | 2   |
| 80-250 | 40      | 45     | 16-80  | 56     | 220    | 160-215 | 135    | 2   |
| 80-254 | 40      | 60     | 18-105 | 66     | 350    | 175-255 | 285    | 1   |



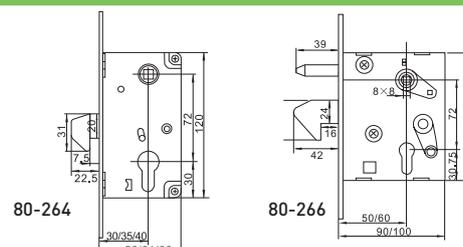
#### Tope fin carrera - Zincado



| Código | A (mm) | H (mm) |  |
|--------|--------|--------|---|
| 80-258 | 50     | 95     | 8   |
| 80-262 | 70     | 110    | 1   |



#### Cerradura gancho

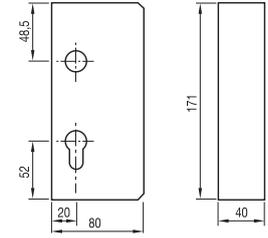


| Código | Referencia          |  |
|--------|---------------------|---|
| 80-264 | Cerradura gancho 30 | 1   |
| 80-266 | Cerradura gancho 54 | 1   |

3



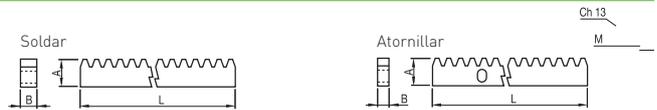
### Caja cubre cerradura



| Código | Referencia           |  |
|--------|----------------------|---|
| 80-270 | Caja cubre cerradura | 1   |



### Creballera módulo 4

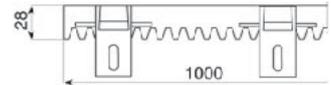


| Código     | AxB (mm)         | Material        | L (mm) |  |
|------------|------------------|-----------------|--------|---|
| 80-326(*)  | 30x12 atornillar | Acero/Acier/Aço | 1.000  | 1   |
| 80-327(**) | 30x12 atornillar | Acero/Acier/Aço | 2.000  | 1   |
| 80-327/8   | 20x20 soldar     | Acero/Acier/Aço | 2.000  | 1   |
| 80-328     | 22x22 soldar     | Acero/Acier/Aço | 1.000  | 1   |
| 80-329     | 22x22 soldar     | Acero/Acier/Aço | 2.000  | 1   |
| 80-329/I   | 22x22 soldar     | INOX            | 2.000  | 1   |

(\*) Incluidos 3 tornillos y casquillos para fijación  
 (\*\*) Incluidos 4 tornillos y casquillos para fijación



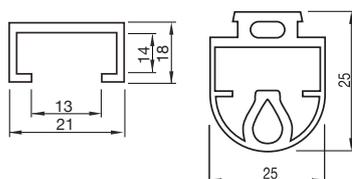
### Creballera nylon módulo 4



| Código | AxB (mm) | Puntos de anclaje | L (mm) |  |
|--------|----------|-------------------|--------|---|
| 80-340 | 28x20    | 4                 | 1.000  | 1   |
| 80-344 | 28x20    | 6                 | 1.000  | 1   |



### Perfil goma para puertas correderas y basculantes



| Código | Referencia             | Longitud |  |
|--------|------------------------|----------|---|
| 80-370 | Perfil goma            | 2,5 m.   | 1   |
| 80-374 | Perfil aluminio 2,5 m. | 2,5 m.   | 1   |

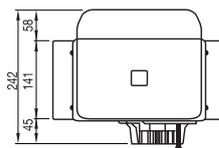
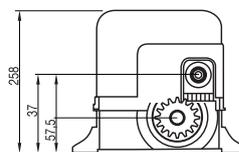
### 3.1 - Puertas correderas



#### Kit Force 800

**PARTICULARIDADES:**

- Motor robusto de corriente alterna "AC" de alimentación 220 Vac. 50 Hz.
- Cuadro de maniobras incorporado dentro del motor, facilitando la instalación.
- Bloqueo automático cuando la puerta está cerrada.
- Desbloqueo manual en caso de fallo de alimentación.
- Funcionamiento estable y silencioso.
- Protección automática de sobretensión y sobrecalentamiento.
- Temperatura de trabajo de -20°C a +40°C.
- Emisores de frecuencia de 433,92 MHz de Rolling code.



**Compuesto de:**

|                              |   |                     |   |
|------------------------------|---|---------------------|---|
| Motoreductor                 | 1 | Bancada de anclajes | 1 |
| Llave desbloqueo             | 1 | Emisores            | 2 |
| Finales de carrera mecánicos | 1 |                     |   |



Código

Referencia



80-558

Kit Force 800

1

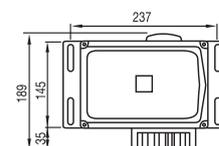
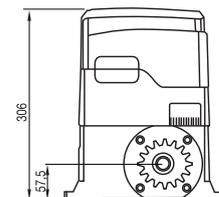
3



#### Kit Force 1200

**PARTICULARIDADES:**

- Motor robusto de corriente alterna "AC" de alimentación 220 Vac. 50 Hz.
- Cuadro de maniobras incorporado dentro del motor, facilitando la instalación.
- Bloqueo automático cuando la puerta está cerrada.
- Desbloqueo manual en caso de fallo de alimentación.
- Funcionamiento estable y silencioso.
- Protección automática de sobretensión y sobrecalentamiento.
- Temperatura de trabajo de -20°C a +40°C.
- Emisores de frecuencia de 433,92 MHz de Rolling code.



**Compuesto de:**

|                              |   |                     |   |
|------------------------------|---|---------------------|---|
| Motoreductor                 | 1 | Bancada de anclajes | 1 |
| Llave desbloqueo             | 1 | Emisores            | 2 |
| Finales de carrera mecánicos | 1 |                     |   |



Código

Referencia



80-568

Kit Force 1200

1

### Accesorios para automatismos puertas correderas



80-575  
Emisor 3 canales

Código

Referencia

80-576 Emisor 3 canales



80-585  
Fotocélula de reflexión (6 metros)

Código

Referencia

80-585 Focotélula de reflexión



80-789  
Fotocélula (2)  
Emisor receptor (15 metros)

Código

Referencia

80-789 Focotelula (2)



80-594/4  
Luz señalización  
Alimentación 230V

Código

Referencia

80-594/4 Luz señalizacion



80-596  
Antena 433Mhz  
30/40 metros sin  
interferencias

Código

Referencia

80-596 Antena 433 Mhz

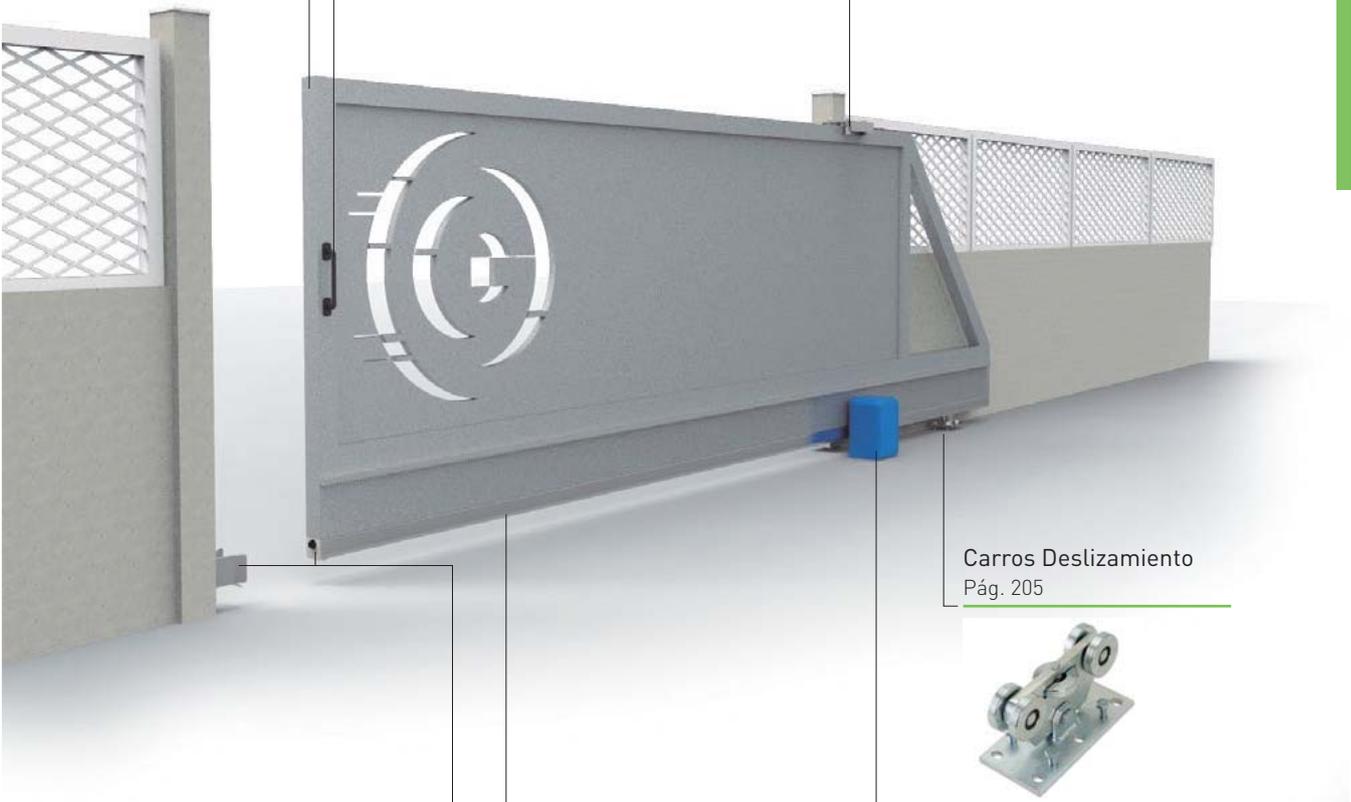
Perfil goma de seguridad  
Pág. 201



Manetas y cerraduras  
Pág. 200 y 225



Rodillos guía y soportes para rodillos  
Pág. 199 - 200



Ruedas de encuentro, soporte y perfil  
Pág. 205



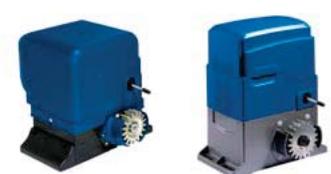
Cremalleras  
Pág. 201



Carros Deslizamiento  
Pág. 205



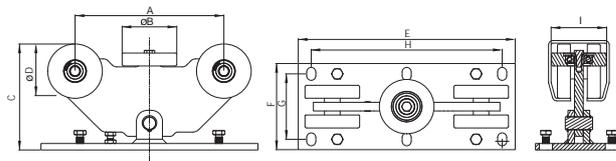
Automatismos  
Pág. 202 - 203



## 3.2 - Puertas autoportantes



### Carros de deslizamiento - Zincado

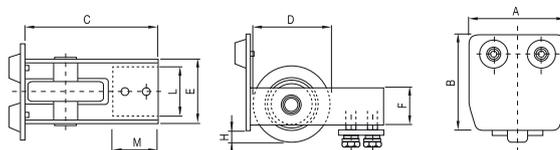


| Código | Modelo | A (mm) | øB (mm) | C (mm) | øD (mm) | E (mm) | F (mm) | G (mm) | H (mm) | I (mm) | (Kg)  |   |
|--------|--------|--------|---------|--------|---------|--------|--------|--------|--------|--------|-------|---|
| 81-100 | P      | 136    | 60      | 131,5  | 60      | 180    | 150    | 100    | 125,5  | 61     | 450   | 1 |
| 81-104 | M      | 222    | 89      | 168,5  | 78      | 300    | 150    | 100    | 251,0  | 90     | 750   | 1 |
| 81-108 | G      | 343    | 126     | 246,0  | 126     | 500    | 200    | 152    | 440,0  | 126    | 2.000 | 1 |

P: Pequeño  
M: Mediano  
G: Grande



### Ruedas de encuentro - Zincado

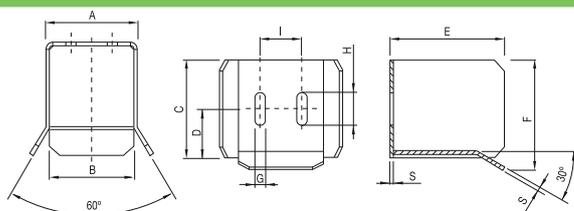


| Código | Modelo | A (mm) | B (mm) | C (mm) | Dø (mm) | E (mm) | F (mm) | H (mm) | L (mm) | M (mm) |   |
|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|---|
| 81-120 | P      | 68     | 68     | 123    | 68      | 45     | 32     | 14,5   | 45     | 46     | 1 |
| 81-124 | M      | 100    | 89     | 129    | 78      | 66     | 37     | 15,0   | 55     | 46     | 1 |
| 81-128 | G      | 140    | 140    | 170    | 98      | 95     | 56     | 15,0   | 90     | 60     | 1 |

P: Pequeño  
M: Mediano  
G: Grande



### Soporte lateral de encuentro - Zincado

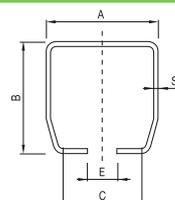


| Código | Modelo | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | G (mm) | H (mm) | I (mm) | S (mm) |   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 81-140 | P      | 82,6   | 78     | 90     | 37,5   | 104    | 9      | 25     | 38     | 2,3    | 1 |
| 81-144 | M      | 120,2  | 113    | 120    | 48,0   | 119    | 11     | 30     | 50     | 3,6    | 1 |
| 81-148 | G      | 169,2  | 154    | 165    | 72,5   | 159    | 13     | 35     | 77     | 7,6    | 1 |

P: Pequeño  
M: Mediano  
G: Grande



### Perfil para puertas autoportantes - Zincado



| Código | Modelo | Peso (Kg) | A (mm) | B (mm) | C (mm) | E (mm) | S (mm) | Largo (m) | (Kg)  |   |
|--------|--------|-----------|--------|--------|--------|--------|--------|-----------|-------|---|
| 81-160 | P      | 18        | 68     | 68     | 48,0   | 23     | 3,5    | 3         | 500   | 1 |
| 81-164 | M      | 35        | 100    | 89     | 66,5   | 33     | 5,0    | 3         | 1.000 | 1 |
| 81-168 | G      | 67        | 140    | 140    | 98,0   | 38     | 6,0    | 3         | 2.000 | 1 |

P: Pequeño  
M: Mediano  
G: Grande

3

Goma antipinzamiento  
Pág. 210



Manetas y tiradores  
Pág. 227 y 228



Pivote y base con rodamientos  
Pág. 208



Cardán regulable  
Pág. 207



Automatismos  
Pág. 211



Tope puertas batientes  
Pág. 209



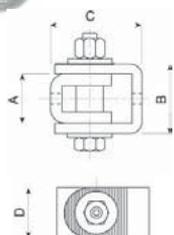
Tope fin de carrera  
Pág. 200



### 3.3 - Puertas batientes



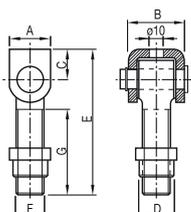
#### Cardán regulable - Zincado



| Código        | A (mm) | B (mm) | C (mm) | D (mm) |  (Kg) |  |
|---------------|--------|--------|--------|--------|--|---|
| <b>82-104</b> | 30     | 44     | 55-65  | 30     | <b>200</b>   | 12  |
| <b>82-108</b> | 35     | 60     | 60-70  | 35     | <b>300</b>   | 10  |



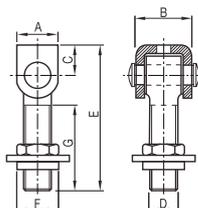
#### Cardán regulable a encastrar - Zincado



| Código        | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) |  (Kg) |  |
|---------------|--------|--------|--------|--------|--------|--------|--------|--|---|
| <b>82-116</b> | 30     | 41     | 25     | 25     | 86     | M20    | 24     | <b>150</b>   | 10  |
| <b>82-120</b> | 35     | 49     | 27     | 29     | 100    | M24    | 20     | <b>225</b>   | 10  |



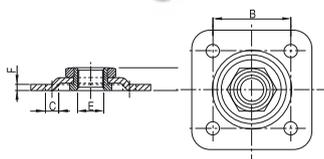
#### Cardán regulable con arandela y tuerca - Zincado



| Código        | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) |  (Kg) |  |
|---------------|--------|--------|--------|--------|--------|--------|--------|--|---|
| <b>82-124</b> | 30     | 41,0   | 22     | M20    | 86     | 30     | 27     | <b>300</b>   | 6   |
| <b>82-128</b> | 35     | 47,5   | 30     | M24    | 96     | 35     | 21     | <b>450</b>   | 6   |



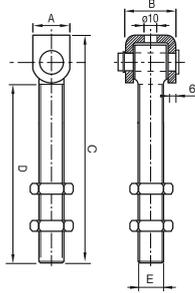
#### Placa para cardán regulable - Zincado



| Código        | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) |  (Kg) |  |
|---------------|--------|--------|--------|--------|--------|--------|--|---|
| <b>82-132</b> | 100    | 75     | 11,0   | 20     | M20    | 4      | <b>200</b>   | 8   |
| <b>82-136</b> | 120    | 90     | 11,5   | 20     | M24    | 6      | <b>300</b>   | 8   |



### Cardán regulable largo - Zincado

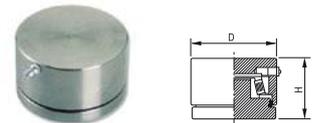


| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | (Kg) |   |
|--------|--------|--------|--------|--------|--------|------|---|
| 82-137 | 30     | 40     | 188    | 138    | M20    | 300  | 1 |
| 82-138 | 35     | 45     | 190    | 138    | M24    | 450  | 4 |



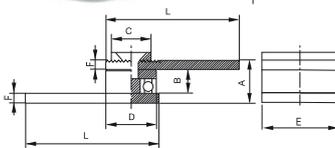
### Pivote y base con rodamientos - Zincado

Pivote con rodamiento a bolas



| Código    | A (mm) | B (mm) | C (mm) | D (mm) | L (mm) | E (mm) | F (mm) | (Kg) |   |
|-----------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 82-161/10 | 36     | 20     | 32     | ø42    | 110    | 40     | 8      | 300  | 4 |
| 82-161/12 | 50     | 26     | 36     | ø60    | 140    | 60     | 11     | 450  | 4 |

Base con rodamiento de rodillos cónicos



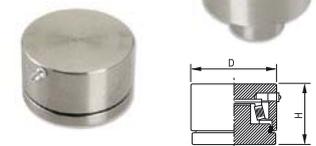
| Código    | D (mm) | H (mm) | (Kg) |   |
|-----------|--------|--------|------|---|
| 82-161/14 | ø42    | 28     | 300  | 4 |
| 82-161/16 | ø60    | 38     | 450  | 4 |



### Pivote y base con rodamientos - INOX

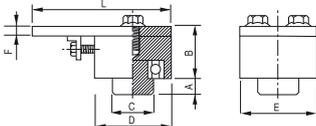
INOX AISI 304

Pivote con rodamiento a bolas



| Código | A (mm) | B (mm) | C (mm) | D (mm) | L (mm) | E (mm) | F (mm) | (Kg) |   |
|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 82-174 | 11,5   | 43     | 30     | ø50    | 120    | 50     | 8      | 300  | 4 |
| 82-175 | 15,0   | 45     | 35     | ø68    | 120    | 60     | 10     | 500  | 4 |

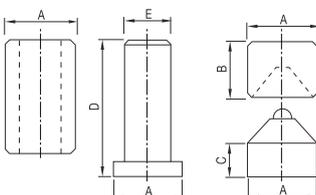
Base con rodamiento de rodillos cónicos



| Código | D (mm) | H (mm) | (Kg) |   |
|--------|--------|--------|------|---|
| 82-176 | ø50    | 34     | 300  | 4 |
| 82-177 | ø68    | 40     | 500  | 4 |



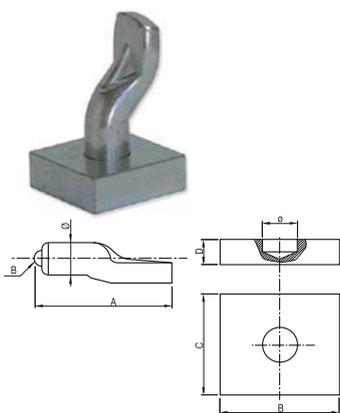
### Pivote y base con bola - Zincado



| Código    | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | (Kg) |   |
|-----------|--------|--------|--------|--------|--------|------|---|
| 82-178/30 | 30     | 20     | 20     | 51     | 100    | 100  | 4 |
| 82-178/40 | 40     | 35     | 25     | 66     | 100    | 100  | 4 |

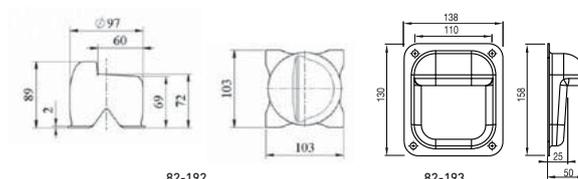
### 3.3 - Puertas batientes

#### Pivote + placa con base - Zincado



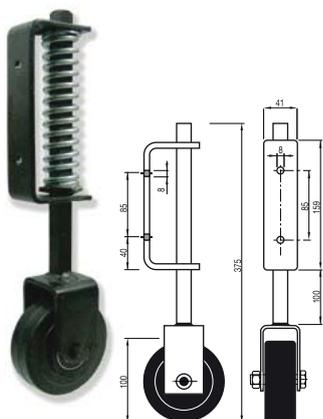
| Código | Ø (mm) | A (mm) | B (mm) | C (mm) | D (mm) | (Kg) |   |
|--------|--------|--------|--------|--------|--------|------|---|
| 82-180 | 20     | 85     | 8      | 70     | 15     | 150  | 6 |
| 82-184 | 24     | 96     | 8      | 70     | 20     | 200  | 6 |

#### Tope puertas batientes - Zincado



| Código | Ø (mm)                            |   |
|--------|-----------------------------------|---|
| 82-192 | Tope puertas batientes Encastar   | 4 |
| 82-193 | Tope puertas batientes Atornillar | 4 |

#### Rotante muelle

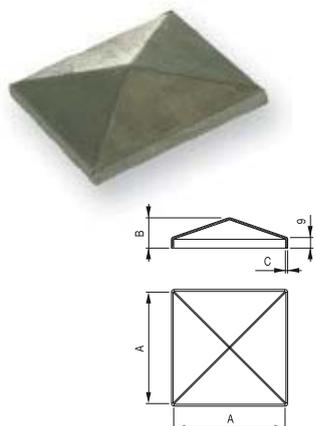


Rueda en goma elástica/núcleo en fundición. Acabado: Pintado negro. Especialmente diseñado como soporte para grandes puertas. Incorpora un soporte con muelle para facilitar el desplazamiento sobre superficies irregulares y superar diferencias de nivel (pendientes) entre la posición abierto o cerrado.

**Nota:** Este rotante no está diseñado para soportar todo el peso de la puerta (capacidad de carga: 75 Kg.).

| Código | Referencia          | Recorrido (mm) |   |
|--------|---------------------|----------------|---|
| 82-195 | Rotante muelle Ø100 | 100            | 1 |

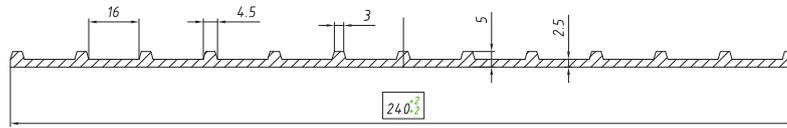
#### Sombretes cuadrados - Zincado



| Código | Poste | A (mm) | B (mm) | C (mm) |    |
|--------|-------|--------|--------|--------|----|
| 82-196 | 40    | 41     | 15     | 1      | 40 |
| 82-200 | 50    | 51     | 17     | 1      | 40 |
| 82-204 | 60    | 61     | 20     | 1      | 50 |
| 82-208 | 80    | 81     | 22     | 1      | 30 |
| 82-212 | 100   | 101    | 26     | 1      | 15 |
| 82-216 | 120   | 121    | 29     | 1      | 10 |



### Goma antipinzamiento con perfil de aluminio



| Código | Referencia                                 |  |
|--------|--|---|
| 82-278 | Goma antipinzamiento: 0,25m. x 2,5 m.      | 1   |
| 82-284 | Perfil de aluminio antipinzamiento: 2,5 m. | 1   |

### Accesorios para automatismos puertas batientes



**80-579**  
Emisor 3 canales

Código Referencia

|        |                  |
|--------|------------------|
| 80-579 | Emisor 3 canales |
|--------|------------------|



**80-585**  
Fotocélula de reflexión.  
Alcance de hasta 6 metros.

Código Referencia

|        |                      |
|--------|----------------------|
| 80-585 | Fotocélula reflexión |
|--------|----------------------|



**80-589**  
Fotocélula

Código Referencia

|        |            |
|--------|------------|
| 80-589 | Fotocélula |
|--------|------------|



**80-594/4**  
Luz señalización  
Alimentación 230V

Código Referencia

|          |                  |
|----------|------------------|
| 80-594/4 | Luz señalización |
|----------|------------------|



**80-598**  
Electrocerradura

Código Referencia

|        |                      |
|--------|----------------------|
| 80-598 | Electrocerradura 110 |
|--------|----------------------|



**80-310/74**  
Cuadro maniobras para SWING 250 y PB-350.

Código Referencia

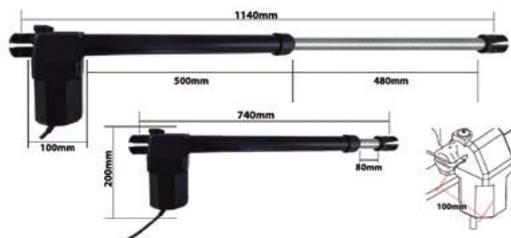
|           |                 |
|-----------|-----------------|
| 88-510/74 | C. Maniobras PB |
|-----------|-----------------|



### Kit SWING 250



El motor SWING 250 está compuesto de un pistón electromecánico para puertas batientes de hasta 4 metros de longitud y 250 Kg. de peso x hoja. Uso residencial.



**Compuesto de:**

|                       |   |   |
|-----------------------|---|---|
| Motoreductor          | 1 | 2 |
| Cuadro maniobras      | 1 | 1 |
| Emisores 3 canales    | 2 | 2 |
| Accesorios de montaje | 1 | 1 |



**Información técnica**

|                      |             |
|----------------------|-------------|
| Peso máx.            | 250 Kg      |
| Grado de protección  | IP 43       |
| Alimentación         | 230V        |
| Potencia nominal     | 350W        |
| Uso                  | Residencial |
| Temp. funcionamiento | -25°C +60°C |
| Peso neto (kg)       | 7 Kg.       |

3

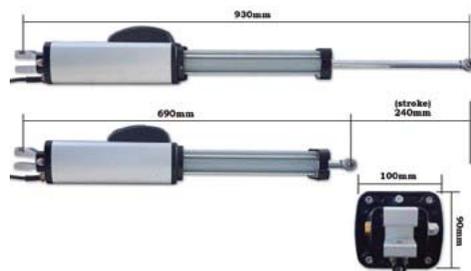


| Código | Referencia                     |  |
|--------|--------------------------------|---|
| 82-430 | Kit Swing-250/1 (para 1 hoja)  | 1   |
| 82-432 | Kit Swing-250/2 (para 2 hojas) | 1   |

### Kit PB-350



Motor hidráulico reversible para puertas batientes de 1 hoja de hasta 3 mts  
Uso intensivo.



**Compuesto de:**

|                       |   |   |
|-----------------------|---|---|
| Motoreductor          | 1 | 2 |
| Cuadro maniobras      | 1 | 1 |
| Emisores 3 canales    | 2 | 2 |
| Electrocerradura      | 1 | 1 |
| Accesorios de montaje | 1 | 1 |



**Información técnica**

|                      |             |
|----------------------|-------------|
| Peso máx.            | 350 Kg      |
| Grado de protección  | IP 55       |
| Alimentación         | 230V        |
| Potencia nominal     | 250W        |
| Uso                  | Intensivo   |
| Temp. funcionamiento | -20°C +70°C |
| Peso neto (kg)       | 7 Kg.       |



| Código | Referencia                 |  |
|--------|----------------------------|---|
| 82-450 | Kit PB1-350 (para 1 hoja)  | 1   |
| 82-454 | Kit PB2-350 (para 2 hojas) | 1   |

### 3.4 - Puertas basculantes y seccionales

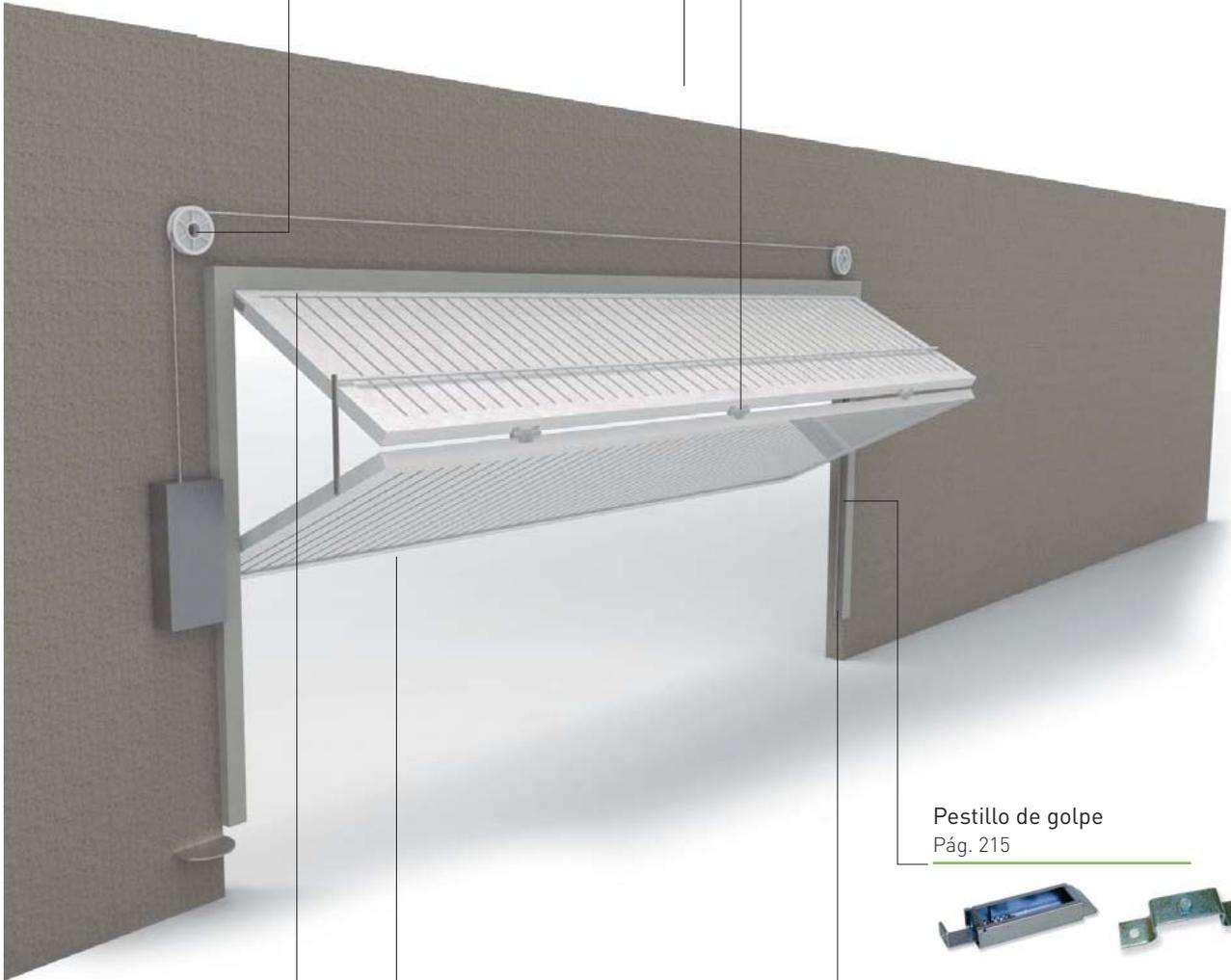
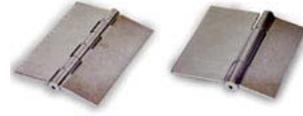
Poleas  
Pág. 214 y 215



Automatismos  
Pág. 217



Bisagras  
Pág. 222



Nudo bisagra con soporte  
Pág. 207



Cepillo de obturación  
Pág. 216



Pestillo de golpe  
Pág. 215



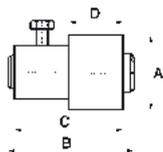
Rodillos Guía  
Pág. 213



### 3.4 - Puertas basculantes y seccionales



#### Nudo bisagra - Zincado

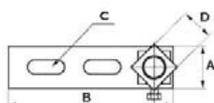


| Código | A (mm) | B (mm) | C (mm) | D (mm) |  |
|--------|--------|--------|--------|--------|---|
| 84-108 | 40     | 91     | 80     | 70     | 6   |



#### Nudo bisagra con soporte - Zincado

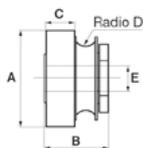
Bisagras ángulo superior para puertas basculantes.  
Las bisagras tienen posición de montaje (izquierda y derecha), por lo tanto es necesario pedir una de cada mano.



| Código | Modelo                        | A (mm) | B (mm) | C (mm) | D (mm) |  |
|--------|-------------------------------|--------|--------|--------|--------|--|
| 84-110 | derecha / droite / direita    | 40     | 155    | M-12   | 35     | 6  |
| 84-111 | izquierda / gauche / esquerda | 40     | 155    | M-12   | 35     | 6  |
| 84-112 | izquierda / gauche / esquerda | 50     | 175    | M-16   | 40     | 6  |
| 84-114 | derecha / droite / direita    | 50     | 175    | M-16   | 40     | 6  |



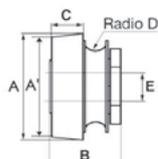
#### Rodillo guía lateral



| Código | A (mm) | Para Guía | B (mm) | C (mm) | D (mm) | E (mm) |  |
|--------|--------|-----------|--------|--------|--------|--------|---|
| 84-116 | 32     | U-40      | 26     | 11     | 3      | M-10   | 12  |
| 84-120 | 42     | U-50      | 30     | 13     | 3      | M-12   | 1   |
| 84-124 | 52     | U-60      | 32     | 15     | 4      | M-16   | 10  |
| 84-126 | 62     | U-70      | -      | -      | 4      | M-16   | 10  |
| 84-128 | 72     | U-80      | 36     | 17     | 4      | M-16   | 8   |
| 84-132 | 90     | U-100     | 37     | 18     | 4      | M-16   | 6   |



#### Rodillo guía lateral UPN



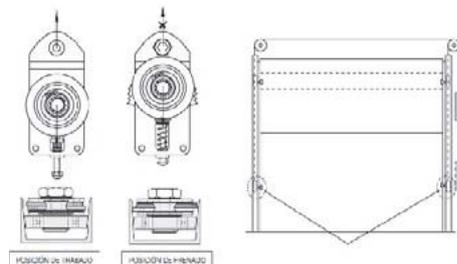
| Código | A (mm) | A' (mm) | Para Guía | B (mm) | C (mm) | D (mm) | E (mm) |  |
|--------|--------|---------|-----------|--------|--------|--------|--------|---|
| 84-134 | 63     | 62      | UPN-80    | 39     | 20     | 4      | M-16   | 6   |
| 84-135 | 82     | 80      | UPN-100   | 39     | 20     | 4      | M-16   | 1   |



### Rodillo guía lateral con paracaídas

Rodillo guía para puertas basculantes.  
Incorpora un mecanismo que frena la caída de la puerta en caso de rotura del cable.

**Producto homologado por  
APLUS según norma  
Norma EN-13241.1:2004,  
EN-12604:2000 y EN-12605:2000**

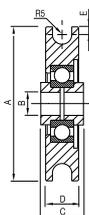


| Código    | Tipo de Guía | Medidas Guía (mm) | Ø Rodillo (mm) | (Kg) |       |
|-----------|--------------|-------------------|----------------|------|-------|
| 84-135/71 | U-50         | 140x41x31         | 42             | 500  | 1 Kit |
| 84-135/72 | U-60         | 150x51x35         | 52             | 500  | 1 Kit |
| 84-135/73 | U-80         | 160x71x46         | 72             | 600  | 1 Kit |
| 84-135/74 | UPN-80       | 160x61x46         | 62             | 600  | 1 Kit |
| 84-135/75 | UPN-100      | 180x81x46         | 82             | 600  | 1 Kit |

NOTA: Cada kit se compone de 2 rodillos guía paracaídas.



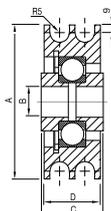
### Polea 1 cojinete canal redondo 10 mm - Zincado



| Código    | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | Tipo de Cojinete | (Kg) |    |
|-----------|--------|--------|--------|--------|--------|------------------|------|----|
| 84-135/96 | ø60    | 12     | 22     | 17     | 3      | 6202ZZ           | 375  | 12 |
| 84-136    | ø70    | 12     | 22     | 17     | 4      | 6202ZZ           | 375  | 1  |
| 84-140    | ø80    | 12     | 22     | 17     | 4      | 6202ZZ           | 375  | 10 |
| 84-148    | ø100   | 12     | 22     | 17     | 4      | 6202ZZ           | 375  | 10 |
| 84-152    | ø120   | 12     | 22     | 17     | 4      | 6202ZZ           | 375  | 6  |
| 84-156    | ø150   | 16     | 32     | 19     | 4      | 6204ZZ           | 655  | 5  |
| 84-160    | ø180   | 16     | 32     | 19     | 4      | 6204ZZ           | 655  | 5  |
| 84-164    | ø200   | 16     | 32     | 19     | 4      | 6204ZZ           | 655  | 4  |



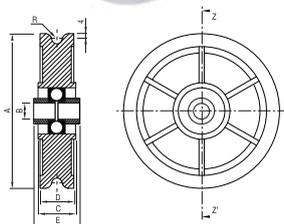
### Polea 1 cojinete con doble canal redondo 10 mm - Zincado



| Código | A (mm) | B (mm) | C (mm) | D (mm) | Tipo de Cojinete | (Kg) |   |
|--------|--------|--------|--------|--------|------------------|------|---|
| 84-168 | ø80    | 16     | 32     | 29     | 6204ZZ           | 655  | 4 |
| 84-176 | ø120   | 16     | 32     | 29     | 6204ZZ           | 655  | 4 |
| 84-184 | ø180   | 16     | 32     | 29     | 6204ZZ           | 655  | 2 |

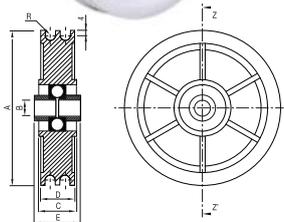
### 3.4 - Puertas basculantes y seccionales

3



#### Polea nylon 1 canal

| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | R (mm) | Tipo de Cojinete | (Kg) |   |
|--------|--------|--------|--------|--------|--------|--------|------------------|------|---|
| 84-204 | ø100   | 12     | 25     | 15,5   | 34     | 3,5    | 6203ZZ           | 475  | 4 |
| 84-208 | ø120   | 12     | 29     | 26,5   | 34     | 4,0    | 6203ZZ           | 475  | 4 |
| 84-212 | ø160   | 12     | 29     | 26,5   | 34     | 4,0    | 6203ZZ           | 475  | 4 |

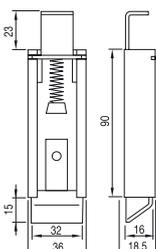


#### Polea nylon 2 canales

| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | R (mm) | Tipo de Cojinete | (Kg) |   |
|--------|--------|--------|--------|--------|--------|--------|------------------|------|---|
| 84-220 | ø100   | 12     | 30     | 26,5   | 35,5   | 3,5    | 6203ZZ           | 475  | 4 |
| 84-228 | ø160   | 12     | 29     | 26,5   | 34,0   | 4,0    | 6203ZZ           | 475  | 4 |



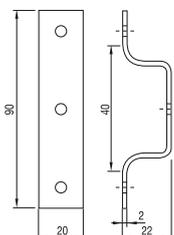
#### Pestillo de golpe - Zincado



| Código | Referencia        |    |
|--------|-------------------|----|
| 84-270 | Pestillo de golpe | 24 |



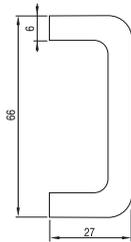
#### Puente golpe lateral - Zincado



| Código | Referencia           |    |
|--------|----------------------|----|
| 84-280 | Puente golpe lateral | 12 |



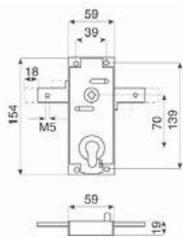
#### Cerradero golpe lateral - Zincado



| Código | Referencia              |  |
|--------|-------------------------|---|
| 84-290 | Cerradero golpe lateral | 24  |



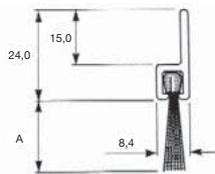
#### Cerradura para puerta basculante - Galvanizada



| Código | Referencia                       |  |
|--------|----------------------------------|---|
| 84-300 | Cerradura para puerta basculante | 4   |



#### Cepillos de obturación



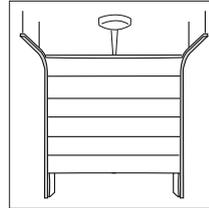
| Código   | A (mm) | Longitud (mm) |  |
|----------|--------|---------------|---|
| 84-368   | 10     | 3.000         | 1   |
| 84-370   | 20     | 3.000         | 1   |
| 84-370/2 | 27     | 3.000         | 1   |
| 84-370/4 | 45     | 3.000         | 1   |
| 84-370/6 | 73     | 3.000         | 1   |
| 84-370/8 | 93     | 3.000         | 1   |

### 3.4 - Puertas basculantes y seccionales

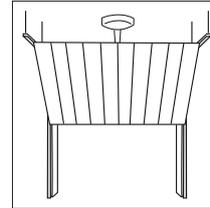
#### Kit PUSH-600 y PUSH-1000



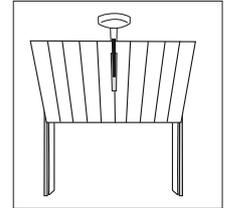
Alimentación de 220 V. 50 Hz y motoreductor de 24 Vdc. Emisores de frecuencia 433,92 MHz Rolling code. Final de carrera electrónico. Apertura y cierre suave. Pantalla digital exterior de fácil acceso. Cierre automático programable. Sistema antiplastamiento en caso de obstáculos. Luz de señalización de funcionamiento (máx. 3 min.). Funcionamiento estable y silencioso. Temperatura de trabajo de -10°C a + 40°C.



Seccional



Basculante no desbordante



Basculante desbordante

#### Compuesto de:

|                    |   |
|--------------------|---|
| Motoreductor       | 1 |
| Cuadro maniobras   | 1 |
| Emisores 4 canales | 2 |
| Guía zincada 4 m.  | 1 |

#### Información técnica

| Modelo               | PUSH-600         | PUSH-1000        |
|----------------------|------------------|------------------|
| Alimentación         | 230V             | 230V             |
| Potencia Motor       | 60W              | 100W             |
| Medida máx Puerta    | 11m <sup>2</sup> | 14m <sup>2</sup> |
| Uso                  | Residencial      | Residencial      |
| Temp. funcionamiento | -20°C +80°C      | -20°C +80°C      |
| Peso neto (kg)       | 20 Kg.           | 21 Kg.           |



Código

Referencia



|        |               |   |
|--------|---------------|---|
| 84-574 | Kit PUSH-600  | 1 |
| 84-575 | Kit PUSH-1000 | 1 |

#### Accesorios para automatismos puertas basculantes



80-776  
Fotocélula reflexión  
F-10R

Código

Referencia

80-776 Fotocelula reflex F-10R



80-587  
Emisor 4 canales

Código

Referencia

80-587 Emisor 4 C. PUSH/SWING



80-778  
Fotocélula F32 PLUS

Código

Referencia

80-778 Fotocelula F30 PLUS



80-594/4  
Luz señalización  
Alimentación 230V

Código

Referencia

80-594/4 Luz señalizacion



80-596  
Antena 433Mhz  
30/40 metros sin  
interferencias

Código

Referencia

80-596 Antena 433 Mhz



88-310/9  
Cuadro maniobras PUSH

Código

Referencia

88-310/4 Cuadro Maniobras PUSH

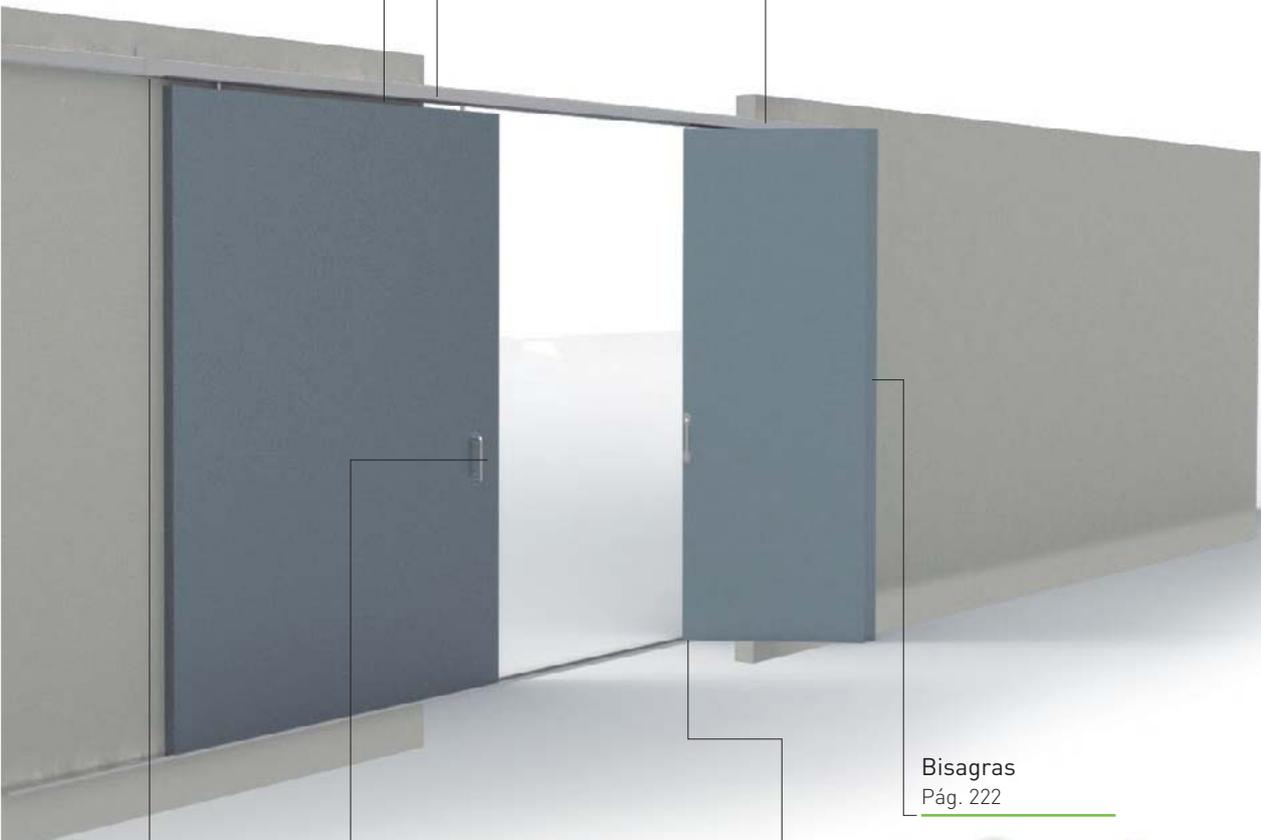
Carros y rodamientos  
Pág. 219, 220 y 222



Perfil superior  
Pág. 219 y 222



Soportes perfil superior  
Pág. 220 y 221



Tope  
Pág. 207



Manetas y cerraduras  
Pág. 200 y 225



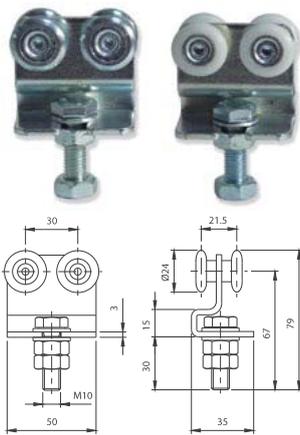
Bisagras  
Pág. 222



Pernio guía  
Pág. 221





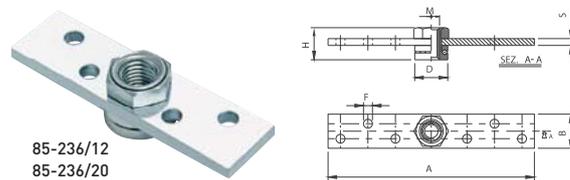
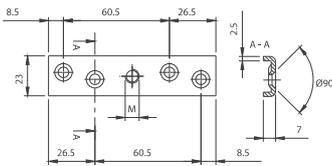


### Carro 4 rodamientos - Zincado

| Código | Tamaño | Rodamientos | (Kg) |  |
|--------|--------|-------------|------|---|
| 85-234 | P      | Acero       | 50   | 2   |
| 85-237 | P      | Nylon       | 50   | 2   |



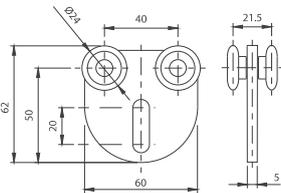
### Pletina fijación - Zincado



| Código    | Referencia           |  |
|-----------|----------------------|---|
| 85-236/12 | 85-236/20            |   |
| 85-236    | Pletina fijación M8  | 1   |
| 85-236/12 | Pletina fijación M12 | 1   |
| 85-236/20 | Pletina fijación M20 | 1   |



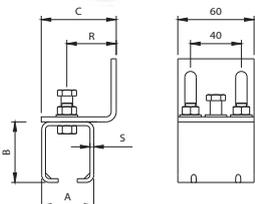
### Carro 4 rodamientos ligero - Zincado



| Código | Referencia                               | (Kg) |  |
|--------|--|------|---|
| 85-239 | Carro Rodamientos acero $\varnothing 24$ | 50   | 1   |

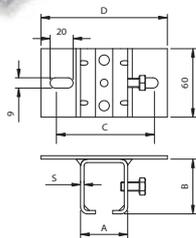


### Soporte lateral regulable - Zincado



| Código | Tamaño | Modelo                    | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) |  |
|--------|--------|---------------------------|--------|--------|--------|--------|--------|---|
| 85-247 | P      | Soporte lateral regulable | 60     | 41     | 4      | 47     | 50     | 1   |
| 85-430 | M      | Soporte lateral regulable | 60     | 54     | 4      | 72     | 50     | 1   |
| 85-630 | G      | Soporte lateral regulable | 60     | 60     | 4      | 87     | 50     | 1   |

### 3.5 - Puertas suspendidas

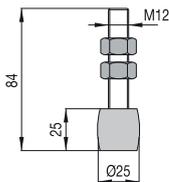


#### Soporte techo - Zincado

| Código | Tamaño | Modelo        | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) |  |
|--------|--------|---------------|--------|--------|--------|--------|--------|--------|---|
| 85-250 | P      | Soporte techo | 60     | 41     | 4      | 110    | 52     | 75     | 1   |
| 85-432 | M      | Soporte techo | 60     | 54     | 4      | 120    | 77     | 85     | 1   |
| 85-632 | G      | Soporte techo | 60     | 60     | 4      | 130    | 92     | 95     | 1   |



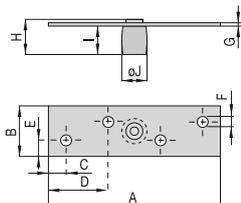
#### Pernio guía - Zincado



| Código | Referencia  |  |
|--------|-------------|---|
| 85-449 | Pernio guía | 1   |



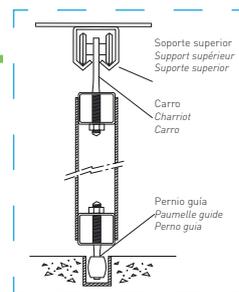
#### Pletina rodillo guía - Zincado



| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (mm) | I (mm) | øJ (mm) |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---|
| 85-640 | 110    | 40     | 12     | 35     | 12     | ø10    | 8      | 33     | 25     | 25      | 1   |



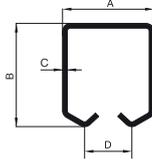
#### Tope



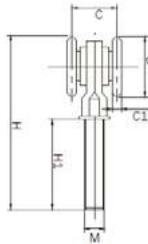
| Código | Tamaño | Referencia | B  | C  |  (Kg) |  |
|--------|--------|------------|----|----|--|---|
| 85-452 | P-M    | Tope       | 30 | 45 | 1,60   | 1   |
| 85-453 | G      | Tope       | 60 | 50 | 3,48   | 1   |



### Perfil superior acero

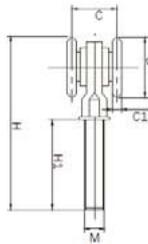
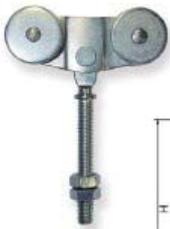


| Código | Material | A (mm) | B (mm) | C (mm) | D (mm) |  (Kg) |  |
|--------|----------|--------|--------|--------|--------|--|---|
| 85-800 | Acero    | 40     | 40     | 1,5    | 27     | 1,530/m  | 3 mts.  |
| 85-801 | Acero    | 60     | 55     | 2,5    | 38     | 3,650/m  | 3 mts.  |



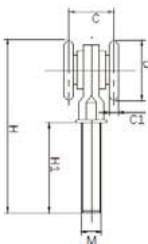
### Carro pivotante 2 roldanas

| Código | D (ø) (mm) | C (mm) | C1 (mm) | M (mm) | H (mm) | H1 (mm) |  (Kg) |  |
|--------|------------|--------|---------|--------|--------|---------|--|---|
| 85-802 | 33,5       | 27     | 4       | 10     | 130    | 78      | 0,212  | 1   |



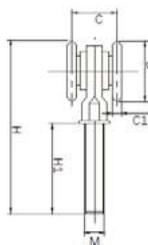
### Carro pivotante 4 roldanas

| Código | D (ø) (mm) | C (mm) | C1 (mm) | M (mm) | H (mm) | H1 (mm) |  (Kg) |  |
|--------|------------|--------|---------|--------|--------|---------|--|---|
| 85-804 | 33,5       | 27     | 4       | 10     | 130    | 78      | 0,350  | 1   |



### Carro desmontable 2 roldanas

| Código | D (ø) (mm) | C (mm) | C1 (mm) | M (mm) | H (mm) | H1 (mm) |  (Kg) |  |
|--------|------------|--------|---------|--------|--------|---------|--|---|
| 85-806 | 47,0       | 38     | 5       | 15     | 167    | 93      | 0,580  | 1   |



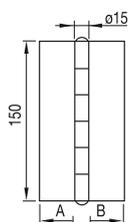
### Carro desmontable 4 roldanas

| Código | D (ø) (mm) | C (mm) | C1 (mm) | M (mm) | H (mm) | H1 (mm) |  (Kg) |  |
|--------|------------|--------|---------|--------|--------|---------|--|---|
| 85-808 | 47,0       | 38     | 5       | 15     | 167    | 93      | 0,989  | 1   |

## 3.6 - Pernios y bisagras



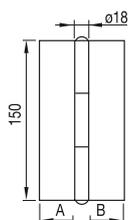
### Bisagra 2 alas



| Código    | Acabado | A (mm) | B (mm) | Espesor (mm) |  |
|-----------|---------|--------|--------|--------------|---|
| 84-101/10 | Acero   | 42,5   | 42,5   | 3            | 12  |
| 84-101/12 | Zincad  | 42,5   | 42,5   | 3            | 12  |
| 84-101/18 | Acero   | 52,5   | 52,5   | 3            | 12  |
| 84-101/20 | Zincad  | 52,5   | 52,5   | 3            | 12  |
| 84-101/26 | Acero   | 62,5   | 62,5   | 3            | 10  |
| 84-101/28 | Zincad  | 62,5   | 62,5   | 3            | 10  |
| 84-101/34 | Acero   | 67,5   | 67,5   | 3            | 10  |
| 84-101/36 | Zincad  | 67,5   | 67,5   | 3            | 12  |



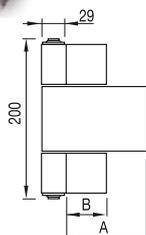
### Bisagra reforzada 2 alas



| Código    | Acabado | A (mm) | B (mm) | Espesor (mm) |  |
|-----------|---------|--------|--------|--------------|---|
| 84-102/10 | Acero   | 41     | 41     | 3,5          | 12  |
| 84-102/12 | Zincado | 41     | 41     | 3,5          | 12  |
| 84-102/18 | Acero   | 51     | 51     | 3,5          | 12  |
| 84-102/20 | Zincado | 51     | 51     | 3,5          | 12  |
| 84-102/26 | Acero   | 61     | 61     | 3,5          | 10  |
| 84-102/28 | Zincado | 61     | 61     | 3,5          | 10  |
| 84-102/34 | Acero   | 66     | 66     | 3,5          | 10  |
| 84-102/36 | Zincado | 66     | 66     | 3,5          | 10  |



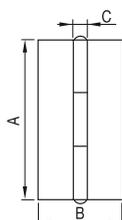
### Bisagra reforzada 3 alas



| Código    | Acabado | A (mm) | B (mm) | Espesor (mm) |  |
|-----------|---------|--------|--------|--------------|---|
| 84-103/10 | Acero   | 115    | 70     | 6            | 8   |
| 84-103/12 | Zincado | 115    | 70     | 6            | 8   |



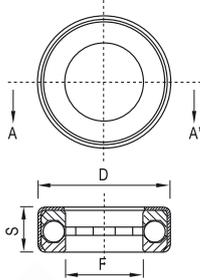
### Bisagra de librillo - Acero



| Código    | A (mm) | B (mm) | $\phi C$ (mm) |  |
|-----------|--------|--------|---------------|---|
| 84-115/08 | 80     | 51     | 16,0          | 1   |
| 84-115/10 | 100    | 57     | 18,0          | 25  |
| 84-115/15 | 150    | 57     | 18,5          | 25  |



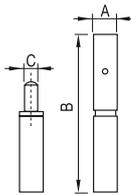
### Cojinetes para pernios - Zincados



| Código | A (mm) | B (mm) | ØC (mm) |  |
|--------|--------|--------|---------|---|
| 86-032 | 10     | 17,5   | 6,0     | 100   |
| 86-036 | 12     | 20,0   | 6,5     | 100   |
| 86-038 | 14     | 22,0   | 6,7     | 100   |
| 86-040 | 20     | 29,0   | 6,5     | 50  |



### Pernio torneado de 2 cuerpos - Acero

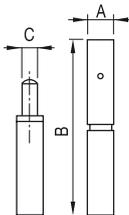


| Código | A (mm) | B (mm) | ØC (mm) |  |
|--------|--------|--------|---------|---|
| 86-050 | 8      | 50     | 5       | 36  |
| 86-054 | 10     | 60     | 6       | 36  |
| 86-058 | 10     | 70     | 6       | 36  |
| 86-062 | 12     | 60     | 8       | 25  |
| 86-066 | 12     | 70     | 8       | 35  |
| 86-070 | 14     | 80     | 8       | 24  |
| 86-100 | 16     | 90     | 10      | 20  |
| 86-104 | 16     | 100    | 10      | 20  |
| 86-108 | 18     | 110    | 12      | 20  |
| 86-112 | 20     | 120    | 12      | 16  |
| 86-114 | 22     | 130    | 14      | 20  |
| 86-116 | 25     | 140    | 16      | 12  |
| 86-120 | 30     | 150    | 18      | 12  |



### Pernio torneado de 2 cuerpos - INOX

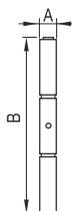
**INOX AISI 304**



| Código   | A (mm) | B (mm) | ØC (mm) |  |
|----------|--------|--------|---------|---|
| 86-122/1 | 8      | 50     | 5       | 36  |
| 86-122/2 | 10     | 70     | 6       | 36  |
| 86-122/3 | 12     | 70     | 8       | 35  |
| 86-122/4 | 14     | 80     | 8       | 24  |
| 86-122/5 | 16     | 100    | 10      | 20  |
| 86-122/6 | 20     | 120    | 12      | 16  |
| 86-122/7 | 25     | 140    | 16      | 12  |



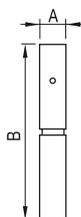
### Pernio de 3 cuerpos - Acero



| Código | A (mm) | B (mm) |  |
|--------|--------|--------|---|
| 86-124 | 16     | 100    | 25  |
| 86-128 | 18     | 110    | 20  |
| 86-132 | 20     | 120    | 20  |
| 86-136 | 25     | 150    | 8   |

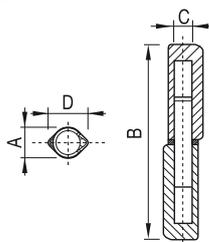


#### Pernio con rodamiento axial - Zincado



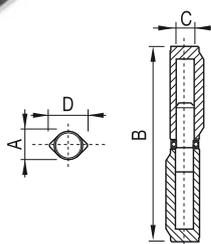
| Código    | A (mm) | B (mm) |  |
|-----------|--------|--------|---|
| 86-138/20 | 20     | 120    | 15  |
| 86-138/25 | 25     | 130    | 12  |
| 86-138/30 | 30     | 140    | 10  |
| 86-138/35 | 35     | 150    | 8   |

#### Pernio perfil gota. Eje y arandela de latón



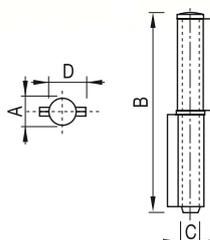
| Código | øA (mm) | B (mm) | øC (mm) | D (mm) |  |
|--------|---------|--------|---------|--------|---|
| 86-140 | 10      | 60     | 6       | 12     | 24  |
| 86-144 | 12      | 80     | 7       | 14     | 10  |
| 86-148 | 14      | 100    | 8       | 16     | 10  |
| 86-152 | 16      | 120    | 9       | 18     | 10  |
| 86-157 | 18      | 140    | 10      | 21     | 20  |
| 86-159 | 22      | 150    | 14      | 26     | 16  |

#### Pernio perfil gota con rodamiento



| Código   | øA (mm) | B (mm) | øC (mm) | D (mm) |  |
|----------|---------|--------|---------|--------|---|
| 86-171   | 20      | 140    | 11      | 25     | 10  |
| 86-171/4 | 20      | 160    | 11      | 25     | 10  |
| 86-171/8 | 20      | 180    | 11      | 25     | 10  |

#### Pernio 2 alas - Acero



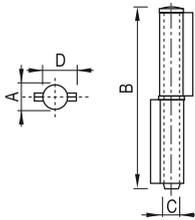
| Código  | øA (mm) | B (mm) | øC (mm) | D (mm) |  |
|---------|---------|--------|---------|--------|---|
| 86-180  | 12,0    | 80     | 7,7     | 16,5   | 20  |
| 86-184  | 13,0    | 100    | 8,7     | 17,5   | 20  |
| 86-188  | 15,3    | 120    | 9,8     | 21,0   | 30  |
| 86-192  | 16,0    | 140    | 10,7    | 21,5   | 10  |
| 86-196* | 17,6    | 170    | 11,7    | 25,0   | 5   |
| 86-198* | 17,6    | 200    | 11,7    | 25,0   | 5   |

\* Con arandela



**Pernio 2 alas - INOX**

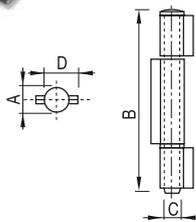
**INOX AISI 304**



| Código    | øA (mm) | B (mm) | øC (mm) | D (mm) |  |
|-----------|---------|--------|---------|--------|---|
| 86-199/02 | 12,0    | 80     | 8       | 16,0   | 24  |
| 86-199/04 | 13,0    | 100    | 9       | 18,0   | 24  |
| 86-199/06 | 14,5    | 120    | 10      | 19,5   | 24  |
| 86-199/08 | 16,0    | 140    | 11      | 21,0   | 24  |



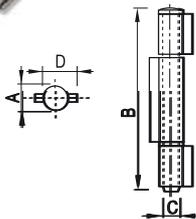
**Pernio 3 alas - Acero**



| Código | øA (mm) | B (mm) | øC (mm) | D (mm) |  |
|--------|---------|--------|---------|--------|---|
| 86-200 | 12,0    | 80     | 8       | 16,0   | 24  |
| 86-204 | 13,0    | 100    | 9       | 18,0   | 24  |
| 86-208 | 14,5    | 120    | 10      | 19,5   | 24  |
| 86-212 | 16,0    | 140    | 11      | 21,0   | 24  |
| 86-216 | 17,5    | 170    | 12      | 24,0   | 12  |
| 86-220 | 20,0    | 200    | 14      | 27,0   | 12  |



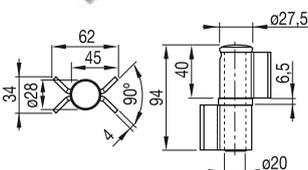
**Pernio 3 alas - INOX**



| Código    | øA (mm) | B (mm) | øC (mm) | D (mm) |  |
|-----------|---------|--------|---------|--------|---|
| 86-221/03 | 12,0    | 80     | 8       | 16,0   | 24  |
| 86-221/05 | 13,0    | 100    | 9       | 18,0   | 24  |
| 86-221/07 | 14,5    | 120    | 10      | 19,5   | 24  |
| 86-221/09 | 16,0    | 140    | 11      | 21,0   | 24  |

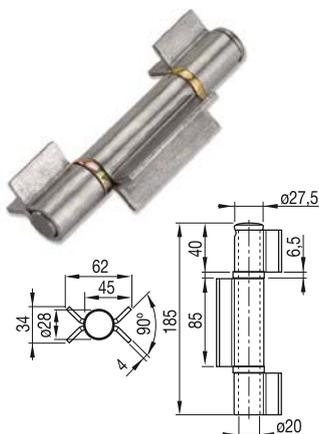


**Pernio reforzado 2 alas - Acero**



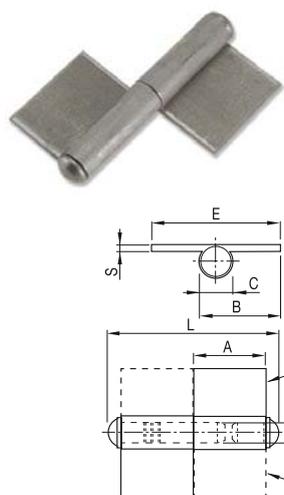
| Código   | Rodamientos    |  |
|----------|----------------|---|
| 86-221/2 | Arandela latón | 8   |
| 86-221/4 | Cojinete       | 8   |

### 3.6 - Pernios y bisagras



#### Pernio reforzado 3 alas - Acero

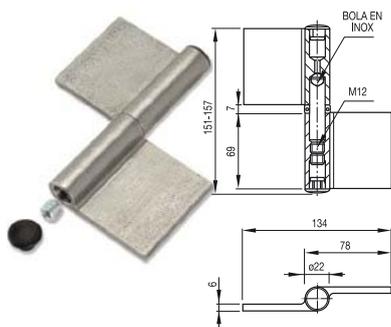
| Código   | Rodamientos    |  |
|----------|----------------|---|
| 86-221/6 | Arandela latón | 4   |
| 86-221/8 | Cojinete       | 4   |



#### Pernio ala media - Acero

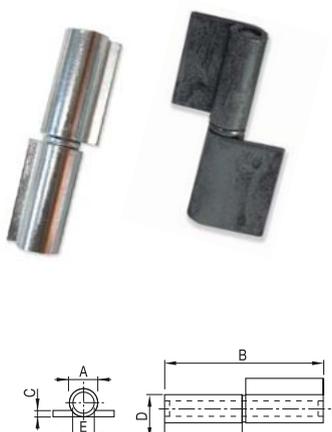
D: Derecha I: Izquierda

| Código    |   | A (mm) | B (mm) | øC (mm) | øD (mm) | E (mm) | L (mm) | S (mm) |  |
|-----------|---|--------|--------|---------|---------|--------|--------|--------|---|
| 86-222/04 | D | 30     | 35     | 14,0    | 8       | 56     | 72     | 2,7    | 20  |
| 86-222/05 | I | 30     | 35     | 14,0    | 8       | 56     | 72     | 2,7    | 20  |
| 86-222/06 | D | 39     | 35     | 14,0    | 8       | 56     | 90     | 2,7    | 20  |
| 86-222/07 | I | 39     | 35     | 14,0    | 8       | 56     | 90     | 2,7    | 20  |
| 86-222/08 | D | 50     | 48     | 16,5    | 10      | 80     | 113    | 3,0    | 20  |
| 86-222/09 | I | 50     | 48     | 16,5    | 10      | 80     | 113    | 3,0    | 20  |
| 86-222/10 | D | 60     | 48     | 16,5    | 10      | 80     | 133    | 3,0    | 20  |
| 86-222/11 | I | 60     | 48     | 16,5    | 10      | 80     | 133    | 3,0    | 20  |
| 86-222/12 | D | 70     | 55     | 19,5    | 12      | 90     | 155    | 3,5    | 20  |
| 86-222/13 | I | 70     | 55     | 19,5    | 12      | 90     | 155    | 3,5    | 20  |
| 86-222/14 | D | 80     | 55     | 19,5    | 12      | 90     | 175    | 3,5    | 20  |
| 86-222/15 | I | 80     | 55     | 19,5    | 12      | 90     | 175    | 3,5    | 20  |



#### Pernio regulable - Acero

| Código   | Rodamientos      |  |
|----------|------------------|---|
| 86-222/2 | Pernio regulable | 6   |

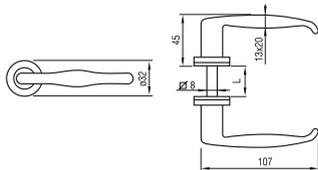


#### Pernio pala - Acero

| Código     | Ala   | A (mm) | B (mm) | øC (mm) | D (mm) |  |
|------------|-------|--------|--------|---------|--------|---|
| 86-222/6   | Corta | 12     | 80     | 2,0     | 15     | 10  |
| 86-222/8   | Corta | 14     | 80     | 3,0     | 20     | 10  |
| 86-222/9   | Media | 12     | 60     | 2,5     | 30     | 10  |
| 86-223/0   | Media | 12     | 80     | 2,5     | 30     | 10  |
| 86-223/2   | Media | 14     | 80     | 3,0     | 30     | 10  |
| 86-223/4   | Media | 16     | 100    | 3,0     | 30     | 10  |
| 86-223/6   | Media | 18     | 110    | 3,5     | 30     | 10  |
| 86-223/8   | Media | 20     | 120    | 4,0     | 30     | 10  |
| 86-223/84* | Media | 25     | 140    | 5,0     | 37     | 10  |
| 86-223/86* | Media | 30     | 150    | 6,0     | 40     | 10  |

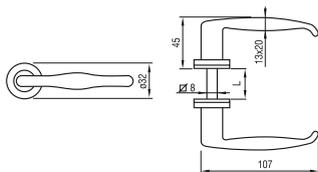
\* Zincados

### Manetas Barnizadas



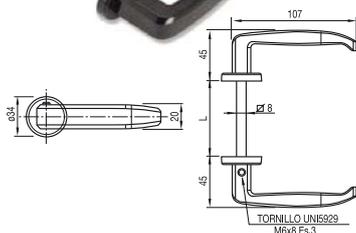
| Código    | L (mm) | Color  |  |
|-----------|--------|--------|---|
| 80-272/04 | 35-45  | Blanca | 10  |
| 80-272/06 | 40-50  | Blanca | 10  |
| 80-274    | 35-45  | Negra  | 10  |
| 80-278    | 40-50  | Negra  | 10  |
| 80-282    | 50-60  | Negra  | 10  |
| 80-286    | 55-70  | Negra  | 10  |

### Manetas Cromadas



| Código   | L (mm) | Color   |  |
|----------|--------|---------|---|
| 80-274/4 | 35-45  | Cromada | 10  |

### Manetas regulables barnizadas color negro



| Código | L (mm) | Color |  |
|--------|--------|-------|---|
| 80-303 | 64-77  | Negra | 20  |

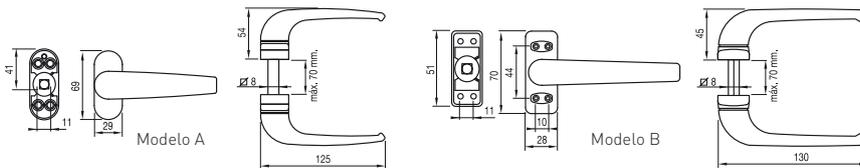
### Manetas Aluminio



Modelo A



Modelo B



| Código    | Modelo | Color  |  |
|-----------|--------|--------|---|
| 80-288/02 | A      | Blanca | 3   |
| 80-288/04 | A      | Negra  | 3   |
| 80-288/06 | B      | Blanca | 3   |
| 80-288/08 | B      | Negra  | 3   |

### 3.7 - Manetas, cerrojos, pasadores y varios

#### Tirador Aluminio



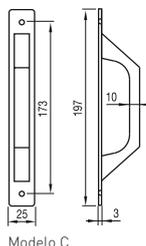
Modelo C / Modèle C / Modelo C



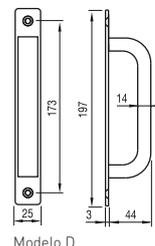
Modelo D / Modèle D / Modelo D



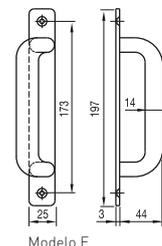
Modelo E / Modèle E / Modelo E



Modelo C



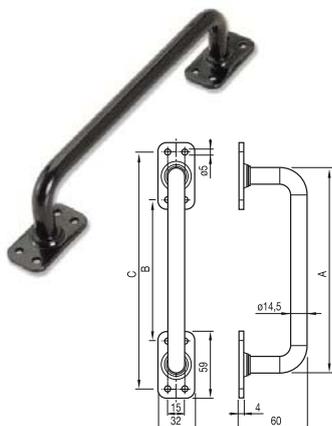
Modelo D



Modelo E

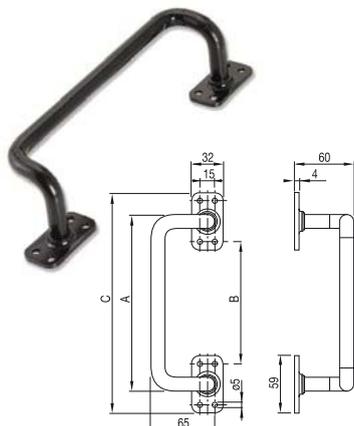
| Código    | Modelo | Color  |  |
|-----------|--------|--------|---|
| 80-289/02 | C      | Blanca | 8   |
| 80-289/04 | C      | Negro  | 8   |
| 80-289/06 | C      | Plata  | 8   |
| 80-289/10 | D      | Blanca | 8   |
| 80-289/12 | D      | Negro  | 8   |
| 80-289/14 | D      | Plata  | 8   |
| 80-289/18 | E      | Blanca | 8   |
| 80-289/20 | E      | Negro  | 8   |
| 80-289/22 | E      | Plata  | 8   |

#### Manillón recto. Barnizado color negro

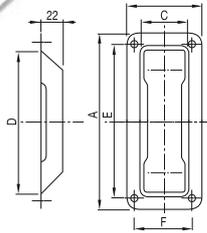


| Código | A (mm) | B (mm) | C (mm) |  |
|--------|--------|--------|--------|---|
| 80-306 | 180    | 125    | 210    | 10  |
| 80-310 | 230    | 175    | 260    | 10  |

#### Manillón doblado. Barnizado color negro

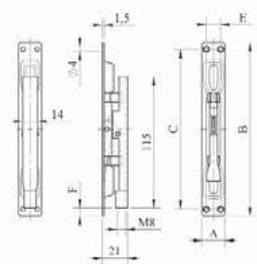


| Código | A (mm) | B (mm) | C (mm) |  |
|--------|--------|--------|--------|---|
| 80-314 | 180    | 125    | 210    | 10  |
| 80-318 | 230    | 175    | 260    | 10  |



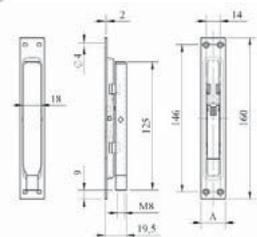
### Maneta encastrar - Zincada

| Código | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) |  |
|--------|--------|--------|--------|--------|--------|--------|---|
| 80-320 | 115    | 52     | 27     | 80     | 105    | 42     | 10  |
| 80-324 | 200    | 90     | 47     | 160    | 186    | 76     | 10  |



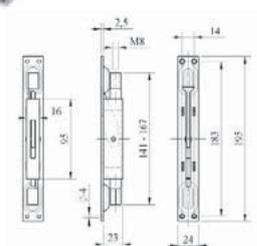
### Pasador simple acción - Zincado

| Código | A (mm) | B (mm) | C (mm) | E (mm) | F (mm) | Carrera (mm) |  |
|--------|--------|--------|--------|--------|--------|--------------|---|
| 86-268 | 16     | 152    | 140    | 12,5   | 9      | 17           | 10  |
| 86-272 | 20     | 152    | 140    | 12,5   | 9      | 17           | 10  |
| 86-276 | 24     | 160    | 144    | 14,0   | 13     | 17           | 10  |



### Pasador simple acción reforzado - Zincado

| Código | A (mm) | B (mm) | C (mm) | E (mm) | F (mm) | Carrera (mm) |  |
|--------|--------|--------|--------|--------|--------|--------------|---|
| 86-277 | 20     | 160    | 146    | 14     | 9      | 17           | 10  |
| 86-278 | 24     | 160    | 146    | 14     | 9      | 17           | 10  |



### Pasador doble acción - Zincado

| Código | Modelo               |  |
|--------|----------------------|---|
| 86-280 | Pasador doble acción | 10  |



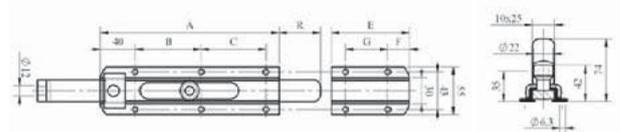


### Cerrojo vertical redondo a soldar - Zincado

| Código    | L (mm) |  |
|-----------|--------|---|
| 86-290/20 | 150    | 12  |
| 86-290/22 | 200    | 12  |
| 86-290/24 | 250    | 12  |
| 86-290/26 | 300    | 12  |
| 86-290/28 | 400    | 6   |
| 86-290/30 | 500    | 6   |



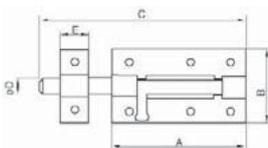
### Cerrojo reforzado - Zincado



| Código | A (mm) | B (mm) | C (mm) | E (mm) | F (mm) | G (mm) | R (mm) |  |
|--------|--------|--------|--------|--------|--------|--------|--------|---|
| 86-328 | 140    | 84     | -      | 50     | 17     | 18,5   | 0-58   | 5   |
| 86-332 | 230    | 76     | 74     | 90     | 25     | 48,5   | 0-90   | 5   |
| 86-336 | 305    | 125    | 125    | 90     | 25     | 48,5   | 0-90   | 5   |



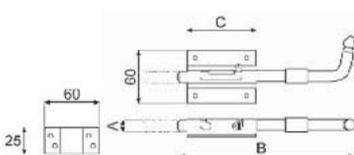
### Cerrojo atornillar - Zincado



| Código    | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) |  |
|-----------|--------|--------|--------|--------|--------|---|
| 86-338/07 | 70     | 65     | 110    | 14     | 25     | 10  |
| 86-338/08 | 80     | 65     | 130    | 14     | 25     | 10  |
| 86-338/10 | 100    | 65     | 150    | 14     | 25     | 10  |
| 86-338/12 | 120    | 65     | 185    | 14     | 25     | 10  |



### Pasador cerrojo atornillar

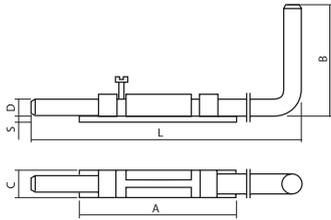


| Código    | A (mm) | B (mm) | C (mm) |  |
|-----------|--------|--------|--------|---|
| 86-338/20 | 14     | 200    | 80     | 5   |
| 86-338/25 | 14     | 250    | 80     | 5   |
| 86-338/30 | 14     | 300    | 80     | 5   |
| 86-338/40 | 14     | 400    | 100    | 5   |

### 3.7 - Manetas, cerrojos, pasadores y varios



#### Pasador cerrojo soldar



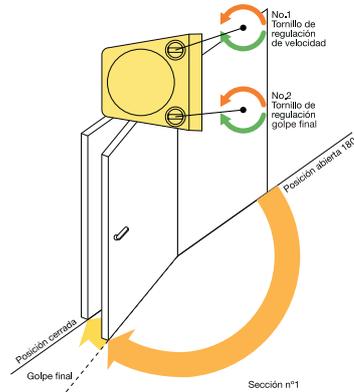
| Código    | A (mm) | B (mm) | C (mm) | D (ø) (mm) | L (mm) | S (mm) |  |
|-----------|--------|--------|--------|------------|--------|--------|---|
| 86-338/50 | 140    | 100    | 23     | 16         | 200    | 4      | 1   |
| 86-338/54 | 140    | 100    | 23     | 16         | 300    | 4      | 1   |
| 86-338/58 | 140    | 100    | 23     | 16         | 500    | 4      | 1   |



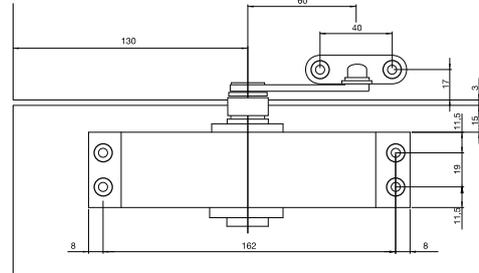
#### Resorte anti-polvo - Latón

| Código | øA (mm) | øB (mm) | øC (mm) |  |
|--------|---------|---------|---------|---|
| 86-360 | 6       | 10      | 15      | 100   |
| 86-362 | 8       | 12      | 18      | 100   |
| 86-364 | 10      | 14      | 20      | 100   |
| 86-366 | 12      | 16      | 22      | 100   |
| 86-368 | 14      | 18      | 25      | 100   |
| 86-370 | 16      | 20      | 28      | 50  |
| 86-372 | 18      | 22      | 30      | 50  |
| 86-374 | 20      | 24      | 32      | 50  |
| 86-376 | 22      | 25      | 34      | 50  |

### Cierrapuertas serie CP-102



Para puertas de 35-65 Kg hasta 950mm.

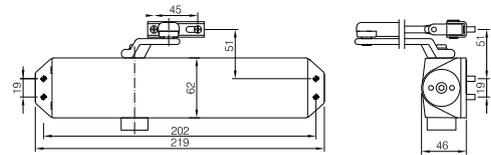
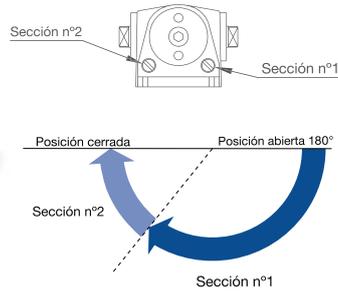


| Código | Referencia | Color | Fuerza |  |
|--------|------------|-------|--------|---|
| 86-435 | CP-102     | Plata | 2-3    | 1   |

### Cierrapuertas serie 350 / 350R



Uso moderado



| Fuerza (EN) | Ancho puerta | Peso puerta |
|-------------|--------------|-------------|
| 2           | 850 mm.      | 40 Kg.      |
| 3           | 950 mm.      | 60 Kg.      |
| 4           | 1.100 mm.    | 80 Kg.      |

Sin Retención. (Certificado EN 1154 Puertas RF)



| Código   | Referencia | Color  | Fuerza |  |
|----------|------------|--------|--------|---|
| 86-440/2 | CP-350/P   | Plata  | 2-3-4  | 1   |
| 86-440/4 | CP-350/N   | Negro  | 2-3-4  | 1   |
| 86-440/6 | CP-350/B   | Blanco | 2-3-4  | 1   |

Con Retención. (No válido para Puertas RF)

| Código   | Referencia | Color  | Fuerza |  |
|----------|------------|--------|--------|---|
| 86-442/2 | CP-350BR/P | Plata  | 2-3-4  | 1   |
| 86-442/4 | CP-350BR/N | Negro  | 2-3-4  | 1   |
| 86-442/6 | CP-350BR/B | Blanco | 2-3-4  | 1   |
| 86-442/8 | CP-350BR/M | Marrón | 2-3-4  | 1   |

Con Brazo Deslizante. (No válido para Puertas RF)

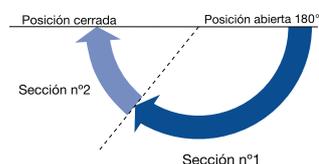
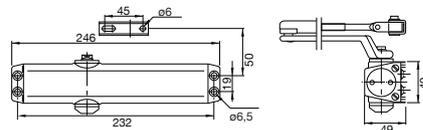


| Código   | Referencia | Color  | Fuerza |  |
|----------|------------|--------|--------|---|
| 86-443/2 | CP-350D/P  | Plata  | 1-2-3  | 1   |
| 86-443/4 | CP-350D/N  | Negro  | 1-2-3  | 1   |
| 86-443/6 | CP-350D/B  | Blanco | 1-2-3  | 1   |

Cierrapuertas serie 83V / 183V



Uso frecuente



Fuerza [EN]    Ancho puerta    Peso puerta

|   |           |        |
|---|-----------|--------|
| 2 | 850 mm.   | 40 Kg. |
| 3 | 950 mm.   | 60 Kg. |
| 4 | 1.100 mm. | 80 Kg. |

Sin Retención. (Certificado EN 1154 Puertas RF)



| Código   | Referencia | Color  | Fuerza |  |
|----------|------------|--------|--------|---|
| 86-444/2 | CP-83V/P   | Plata  | 2-3-4  | 1   |
| 86-444/4 | CP-83V/N   | Negro  | 2-3-4  | 1   |
| 86-444/6 | CP-83V/B   | Blanco | 2-3-4  | 1   |
| 86-444/8 | CP-83V/M   | Marrón | 2-3-4  | 1   |

Con Retención. (No válido para Puertas RF)

| Código   | Referencia | Color  | Fuerza |  |
|----------|------------|--------|--------|---|
| 86-446/2 | CP-183V/P  | Plata  | 2-3-4  | 1   |
| 86-446/4 | CP-183V/N  | Negro  | 2-3-4  | 1   |
| 86-446/6 | CP-183V/B  | Blanco | 2-3-4  | 1   |
| 86-446/8 | CP-183V/M  | Marrón | 2-3-4  | 1   |



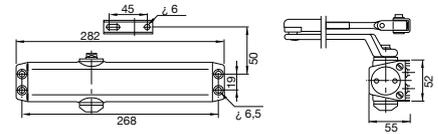
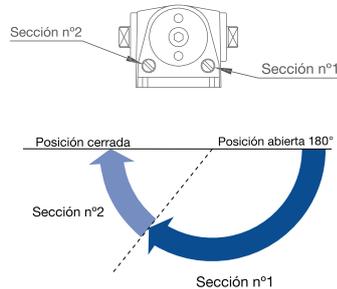
Con Brazo Deslizante. (No válido para Puertas RF)

| Código   | Referencia | Color  | Fuerza |  |
|----------|------------|--------|--------|---|
| 86-447/2 | CP-83VD/P  | Plata  | 2-3-4  | 1   |
| 86-447/4 | CP-83VD/N  | Negro  | 2-3-4  | 1   |
| 86-447/6 | CP-83VD/B  | Blanco | 2-3-4  | 1   |
| 86-447/8 | CP-83VD/M  | Marrón | 2-3-4  | 1   |

### Cierrapuertas serie 85V / 185V



Uso intensivo



| Fuerza [EN] | Ancho puerta | Peso puerta |
|-------------|--------------|-------------|
| 3           | 950 mm.      | 60 Kg.      |
| 4           | 1.100 mm.    | 80 Kg.      |
| 5           | 1.250 mm.    | 100 Kg.     |
| 6           | 1.400 mm.    | 120 Kg.     |

Sin Retención. (Certificado EN 1154 Puertas RF)



| Código   | Referencia | Color  | Fuerza  |   |
|----------|------------|--------|---------|---|
| 86-448/2 | CP-85V/P   | Plata  | 3-4-5-6 | 1 |
| 86-448/4 | CP-85V/N   | Negro  | 3-4-5-6 | 1 |
| 86-448/6 | CP-85V/B   | Blanco | 3-4-5-6 | 1 |

Con Retención. (No válido para Puertas RF)

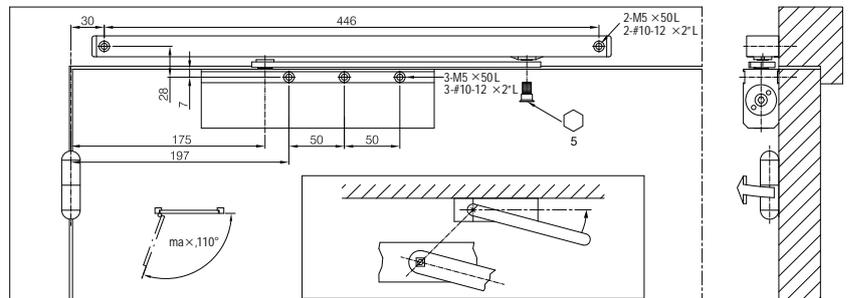
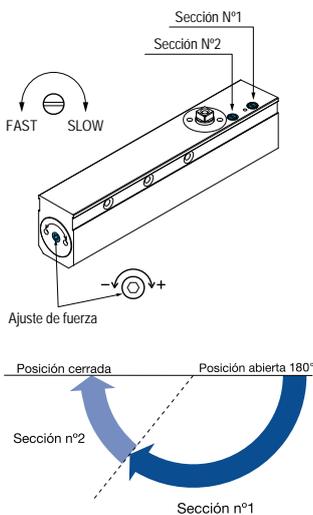
| Código   | Referencia | Color  | Fuerza  |   |
|----------|------------|--------|---------|---|
| 86-449/2 | CP-185V/P  | Plata  | 3-4-5-6 | 1 |
| 86-449/4 | CP-185V/N  | Negro  | 3-4-5-6 | 1 |
| 86-449/6 | CP-185V/B  | Blanco | 3-4-5-6 | 1 |



### Cierrapuertas serie 480



Cierrapuertas aereo con sistema de levas.  
Ofrece una fácil apertura con mayor eficiencia en el par de cierre.  
Conforme con la norma europea (89/106/EEC) EN1154:1996/A1:2002/AC:2006  
Regulación de fuerza 2-4 mediante tornillo.  
Regulación de velocidad de cierre y de golpe final. Sistema de retención.  
Reversible (puertas de izquierda y de derecha).  
Temperatura de trabajo de -15°C a +40°C. Apertura 110° para fuerzas 2-3-4.



**Sistema de levas, apertura fácil**

| Fuerza [EN] | Ancho puerta | Peso puerta |
|-------------|--------------|-------------|
| 2           | 850 mm.      | 40 Kg.      |
| 3           | 950 mm.      | 60 Kg.      |
| 4           | 1.100 mm.    | 80 Kg.      |

Con Brazo Deslizante. (No válido para Puertas RF)

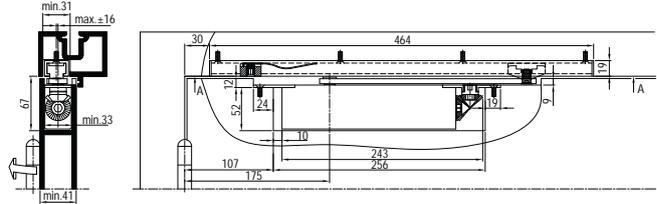
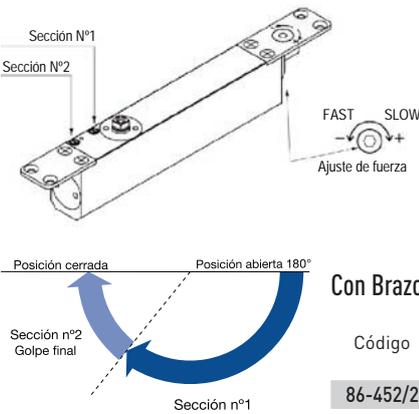
| Código    | Referencia | Color | Fuerza |   |
|-----------|------------|-------|--------|---|
| 86-452/10 | CP-480R/P  | Plata | 2-3-4  | 1 |

### 3.8 - Cierrapuertas

#### Cierrapuertas serie 490



Cierrapuertas con sistema de levas a embutir.  
 Ofrece una fácil apertura con mayor eficiencia en el par de cierre.  
 Conforme con la norma europea (89/106/EEC) EN1154:1996/A1:2002/AC:2006  
 Regulación de fuerza 2-4 mediante tornillo.  
 Regulación de velocidad de cierre y de golpe final.  
 Sistema de retención.  
 Reversible (puertas de izquierda y de derecha).  
 Temperatura de trabajo de -15°C a +40°C  
 Apertura 110° para fuerzas 2-3-4.



| Fuerza (EN) | Ancho puerta | Peso puerta |
|-------------|--------------|-------------|
| 2           | 850 mm.      | 40 Kg.      |
| 3           | 950 mm.      | 60 Kg.      |
| 4           | 1.100 mm.    | 80 Kg.      |

#### Con Brazo Deslizante. (No válido para Puertas RF)

| Código    | Referencia | Color | Fuerza |   |
|-----------|------------|-------|--------|---|
| 86-452/20 | CP-490R/P  | Plata | 2-3-4  | 1 |

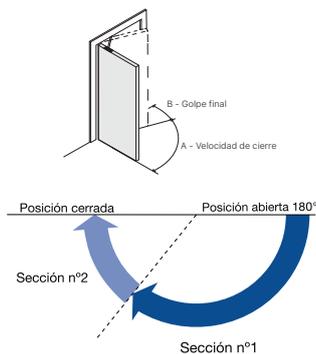
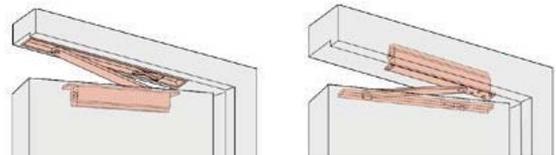
#### Cierrapuertas de embutir serie 1600 N-N - DAIHATSU



Cierrapuertas hidráulico con piñón cremallera.  
 Dos modelos: con fuerzas 2 y 3.  
 Espesor de 28 mm.  
 Regulación velocidad de cierre y regulación de golpe final.  
 Adecuado para puertas de interior, debido a su extrema delgadez, son incluso adecuados para puertas de aluminio.  
 Apertura 180°.

Montaje normal.

Montaje invertido.



#### Con Retención. (No válido para Puertas RF)

| Fuerza (EN) | Ancho puerta | Peso puerta |
|-------------|--------------|-------------|
| 2           | 900 mm.      | 40 Kg.      |
| 3           | 950 mm.      | 60 Kg.      |

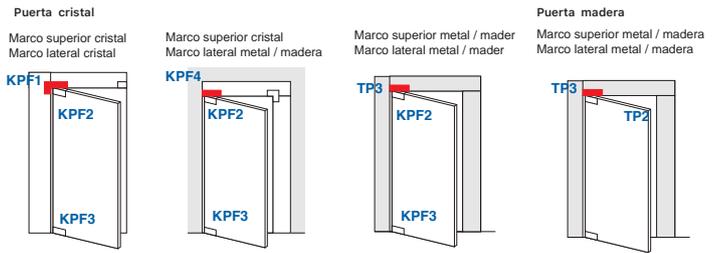
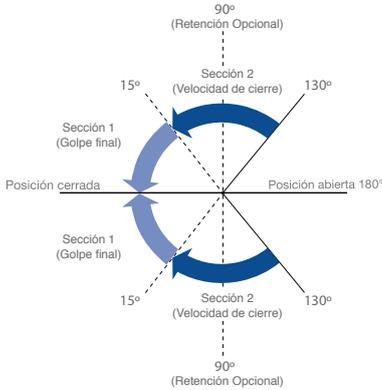
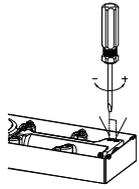
| Código   | Referencia | Montaje   | Color | Fuerza |   |
|----------|------------|-----------|-------|--------|---|
| 86-458/4 | CP-1628U   | Derecha   | Plata | 2      | 1 |
| 86-458/5 | CP-1628I   | Izquierda | Plata | 2      | 1 |
| 86-458/6 | CP-1638U   | Derecha   | Plata | 3      | 1 |
| 86-458/7 | CP-1638I   | Izquierda | Plata | 3      | 1 |

**Cierrapuertas para suelo serie 650** **NN - DAIHATSU**  **CE**



Cierrapuertas hidráulico con piñón cremallera.  
 Dos modelos con fuerza 3-4 EN 1154.  
 Regulación velocidad de cierre y regulación de golpe final.  
 Reversible (puertas de izquierda y de derecha) y válido para puertas de acción simple y doble (batiente y vaivén).  
 Con retención a 90°. Angulo de apertura 130°.

**Accesorios de montaje. Ver página 218**



| Fuerza (EN) | Ancho puerta | Peso puerta |
|-------------|--------------|-------------|
| 3           | 950 mm.      | 60 Kg.      |
| 4           | 1.100 mm.    | 80 Kg.      |

**Con Retención. (No válido para Puertas RF)**

| Código    | Referencia | Color | Fuerza |  |
|-----------|------------|-------|--------|---|
| 86-460/10 | CP-653     | Plata | 3      | 1   |
| 86-460/12 | CP-654     | Plata | 4      | 1   |

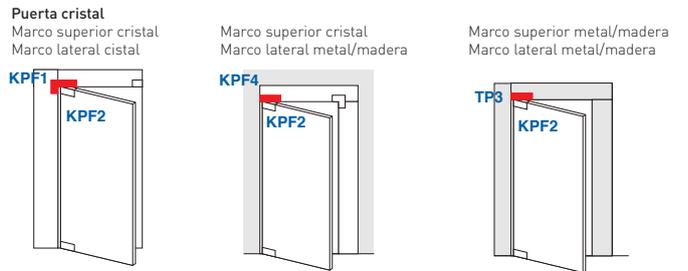
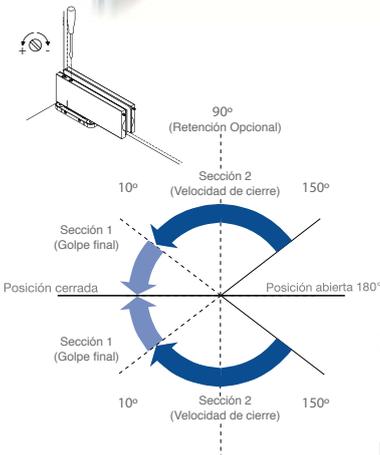


**Pivote cierrapuertas serie PDC-100** **NN - DAIHATSU**  **CE**



Con la más avanzada tecnología de levas.  
 Regulación de velocidad de cierre y de golpe final.  
 Para puertas de cristal de grosor 8-13 mm., 750-1.000 mm. de ancho y de peso máximo de 100 Kg.

**Accesorios de montaje. Ver página 218**



| Angulo máx. apertura | Ancho puerta | Peso puerta |
|----------------------|--------------|-------------|
| 150°                 | 1.000 mm.    | 100 Kg.     |

**Con Retención. (No válido para Puertas RF)**

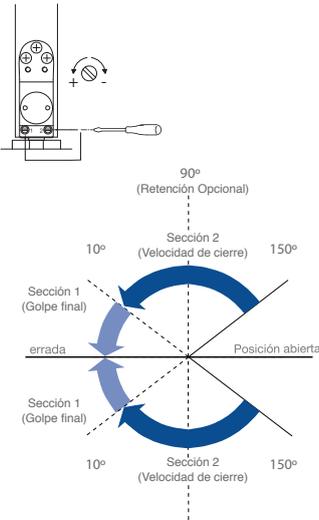
| Código    | Referencia  | Color |  |
|-----------|-------------|-------|---|
| 86-460/32 | CP-PDC100-R | Plata | 1   |

### 3.8 - Cierrapuertas



## Pivote cierrapuertas serie PDC-103-R **N-N** - DAIHATSU

Apto para puertas de doble acción.  
 Con la más avanzada tecnología de levas.  
 Regulación de velocidad de cierre y de golpe final.  
 Con retención a 90°.  
 Ajustes finales simples: 3mm atrás/delante,  
 3mm izquierda/derecha, ± 4° alineación.  
 Placas en acero inoxidable satinado de serie.  
 Instalación empotrado en puerta.



| Angulo máx. apertura | Ancho puerta | Peso puerta |
|----------------------|--------------|-------------|
| 150°                 | 1.000 mm.    | 100 Kg.     |

### Con Retención. (No válido para Puertas RF)

| Código | Referencia  | Color |  |
|--------|-------------|-------|---|
| 86-462 | CP-PDC103-R | Plata | 1   |

### Accesorios para cierrapuertas de suelo



86-460/18  
Referencia: CP-TP2

Código Referencia

86-460/18 CP-TP2



86-460/22  
Referencia: CP-TP4

Código Referencia

86-460/22 CP-TP4



86-460/42  
Referencia: CP-TP3

Código Referencia

86-460/42 CP-TP3



86-460/44  
Referencia: CP-KPF1

Código Referencia

86-460/44 CP-KPF1



86-460/46  
Referencia: CP-KPF2

Código Referencia

86-460/46 CP-KPF2



86-460/48  
Referencia: CP-KPF3

Código Referencia

86-460/48 CP-KPF3



86-460/50  
Referencia: CP-KPF4

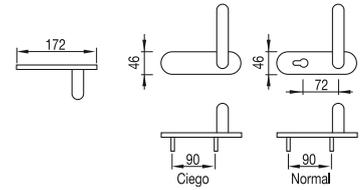
Código Referencia

86-460/50 CP-KPF4

3



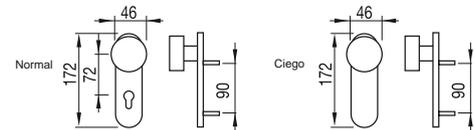
### Manilla cortafuegos - Color negro



| Código | Modelo |  |
|--------|--------|---|
| 86-464 | Normal | 1   |
| 86-466 | Ciego  | 1   |



### Pomo cortafuegos - Color negro

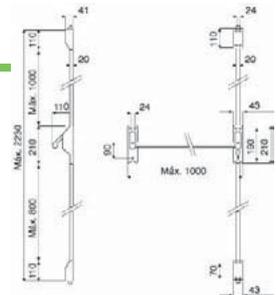
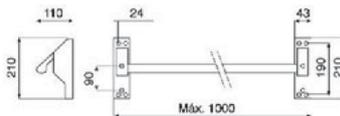


| Código | Modelo |  |
|--------|--------|---|
| 86-470 | Normal | 1   |
| 86-472 | Ciego  | 1   |



### Barras antipánico embutir

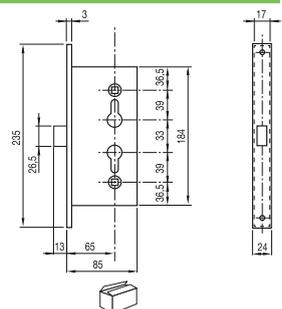
Sólo para cerraduras de embutir



| Código | Modelo                  |  |
|--------|-------------------------|---|
| 86-490 | Antipánico emb 1 punto  | 1   |
| 86-492 | Antipánico emb 2 puntos | 1   |



### Cerradura antipánico reversible de embutir - Zincada

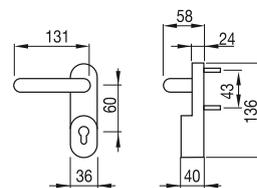


| Código | Modelo               |  |
|--------|----------------------|---|
| 86-496 | Cerradura reversible | 1   |



### Manilla de sobreponer

Sólo para cerraduras de sobreponer



Código

Modelo



86-500/10

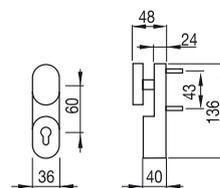
Manilla apertura exterior

1



### Pomo de sobreponer

Sólo para cerraduras de sobreponer



Código

Modelo



86-500/14

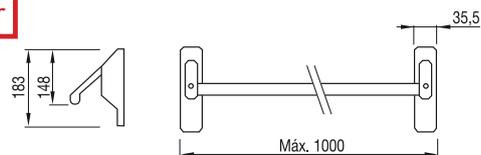
Pomo apertura exterior

1

### Antipánico sobreponer 1 punto



Sólo para cerraduras de sobreponer



Código

Modelo



86-500/20

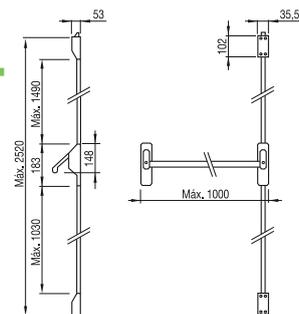
Antipánico sobreponer 1 punto

1



### Antipánico sobreponer 2 puntos

Sólo para cerraduras de sobreponer



Código

Modelo



86-500/24

Antipánico sobreponer 2 puntos. 2,4 m.

1

86-500/28

Antipánico sobreponer 2 puntos. 3,2 m.

1