Overhead Door Closers
Rack and Pinion with Flat Form Arm

BS EN 1154

Note: This door closer can be used to assist a door set to meet the Doc “M” opening force requirements

Item A. Text, dimensions table and BS EN graphics amended. Catalogue shows... Closing force/power adjustment size 2-5. Correct range is 3-5.

Overhead rack and pinion door closer with backcheck and delayed action

- Specification:
  Surface mounted rack and pinion door closer with flat form arm for doors up to 1250 mm wide with adjustable closing speed, adjustable backcheck, adjustable spring strength, adjustable delayed action and adjustable arm
- Features:
  Rack and pinion motion
  Flat form arm
  Silver slide plate

Power adjustment by valve (size range EN 3-5)
Adjustable latching speed (final 10º)
Adjustable closing speed (10-180º)
Adjustable backcheck (70-85º) 20 seconds minimum to BS, set at 40 seconds

Models
Standard (Fig 1 and Fig 61)

Options (order separately)
Parallel arm bracket (see below)
Hold open arm (see below)

Certification
Tested and approved to BS EN 1154: 1997 + A1:2003
Fire rated (BS EN 1634-1:2000) 60 minutes
CE marked
Certifire approved; certificate no. CF 526
120 mins timber

Material:
Aluminium body. Mild steel arm
Aluminium or stainless steel half radius cover**

A door stop should always be used for non back checked doors, and where practical for back checked doors, and at least 66% of the door width away from the hinge

Fig 1/61

Finish  Cat. No.
Silver sprayed  + 931.83.629
Polished anodised aluminium**  + 931.83.621
Satin stainless**  + 931.83.637
Polished stainless**  + 931.83.631
Polished brass**  + 931.83.628

Order qty: 1 pc

Parallel arm bracket (to convert to Fig 66)
Note: When using parallel arm brackets, increase power by one size

Finish  Cat. No.
Silver sprayed  + 931.83.649

Order qty: 1 pc

Hold open arm (not for use on fire doors)

Finish  Cat. No.
Silver sprayed  + 931.83.659

Order qty: 1 pc

Meeting the requirements of DDA

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. opening force @ 0°-30°</th>
<th>Max. opening force @ 0°-30°</th>
<th>Efficient</th>
<th>Max. opening force @ 30°-60°</th>
<th>Max. opening force @ 30°-60°</th>
<th>Efficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guideline</td>
<td>&lt;30Nm</td>
<td>&lt;22.3Nm</td>
<td></td>
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<tr>
<td>#1</td>
<td>29.4Nm</td>
<td>22.36Nm</td>
<td>75%</td>
<td>19.11Nm</td>
<td>19.11Nm</td>
<td>76.92%</td>
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<tr>
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<td>14.70Nm</td>
<td>76.92%</td>
<td>14.70Nm</td>
<td>11.03Nm</td>
<td>76.92%</td>
</tr>
</tbody>
</table>

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