Floor spring

DORMA  BTS 84
The economic double action floor spring

Special shallow design optional hold-open.
The DORMA BTS 84 is a double action floor spring which has been specially developed for the aluminium and toughened glass door industries.
This unit is intended to complement our internationally acclaimed RTS concealed overhead door closer by giving the shop-fitting industry the option of a DORMA quality floor spring designed for their particular purpose.

Certified to ISO 9001.

Plus points

For the trade
- Outstanding value for money.
- Also available with stronger and weaker springs for special requirements.

For the installer
- Easy installation thanks to shallow design.
- Easy to adapt to individual requirements with dual valve control 130° to 0° and 130° to 20°.
- Interchangeable spindle inserts available to suit site conditions.

For the architect/specifier
- Concealed unit for invisible installation.
- Minimum floor recess dimension.
- Proven, robust unit for door weights up to 100 kg.

For the user
- Thermoconstant smooth operation.
- High mechanical efficiency for easy door opening.
- Optional single point hold-open

Technical Data

<table>
<thead>
<tr>
<th>Spring strength</th>
<th>EN 2</th>
<th>EN 3</th>
<th>EN 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard and external doors</td>
<td>up to 850 mm</td>
<td>●</td>
<td>–</td>
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<tr>
<td>up to 950 mm</td>
<td>–</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>up to 1100 mm</td>
<td>–</td>
<td>–</td>
<td>●</td>
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</tbody>
</table>

Closing speed variable by valve adjustment
- ● ● ●

Backcheck – – –

Delayed action – – –

Hold-open point
- 90° ○ ○ ○
- 105° ○ ○ ○

Weight in kg, approx. 5.0 5.0 5.0

Dimensions in mm
- Length 306 306 306
- Width 108 108 108
- Height 40 40 40

Door closer tested to EN 1154 ● ● ●

€ € mark for building products (products with factory-fitted hold-open do not carry a CE mark) – ● ●

● Yes – No ○ Option

1) For applications involving particularly high or heavy doors, and doors which have to close against wind or draught conditions, the next larger closer size or the DORMA BTS 80 should be selected.

2) Max. opening 130°. Door stop necessary for doors which can open further than 130°.
Closing ranges
The floor spring has two controlled closing ranges:
Valve 1: 130° – 0° sweep
Valve 2: Increases the closing speed between 130° and 20°.

Hold-open
With the hold-open (optional extra), the door can be held at angles of either 90° or 105°.

1 First adjusting closing range (130° – 0°)
2 Second adjusting closing range (130° – approx. 20°)
3 Hold open at 90° (optional extra)
4 Hold open at 105° (optional extra)

Notes:

Closers with extended spindle inserts are used with thresholds, carpeted floors, terrazzo pans or in cases where more clearance between door and floor is required.

Surface finish: Zinc plated.

DORMA 2300 Sealing Compound
For filling the cavities between the floor spring body and the cement box to prevent moisture penetration (mandatory according to e.g. VOB regulations for wet rooms).

Universal cover plate
available in stainless steel or satin brass.
Floor spring for double action doors, with hydraulic fully controlled closing from approx. 130°; including cement box and removable spindle insert.

### Options and accessories

<table>
<thead>
<tr>
<th>Floor spring</th>
<th>Floor spring Extended spindle inserts (extension in mm)</th>
<th>Universal cover plate</th>
<th>Sealing compound</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTS 84 including cement box and standard spindle insert</td>
<td>0</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>46000001</td>
<td>46000002</td>
<td>46000003</td>
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</table>

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### Specification text

Floor spring for double action doors, with hydraulic fully controlled closing from approx. 130°; including cement box and removable spindle insert.

### Models

- EN 2
- EN 3
- EN 4

### Accessories

- Universal cover plate
- Stainless steel
- Satin brass
- Extended spindle insert, . . . mm extended
- Sealing compound

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**Make:** DORMA BTS 84