



2800 Series Floor Springs

by Briton



2820 Series Floor Springs by Briton

Briton 2820 Series Floor Springs

The BRITON 2820 Series floor springs are high traffic single and double action doors. They are ideally suited to:

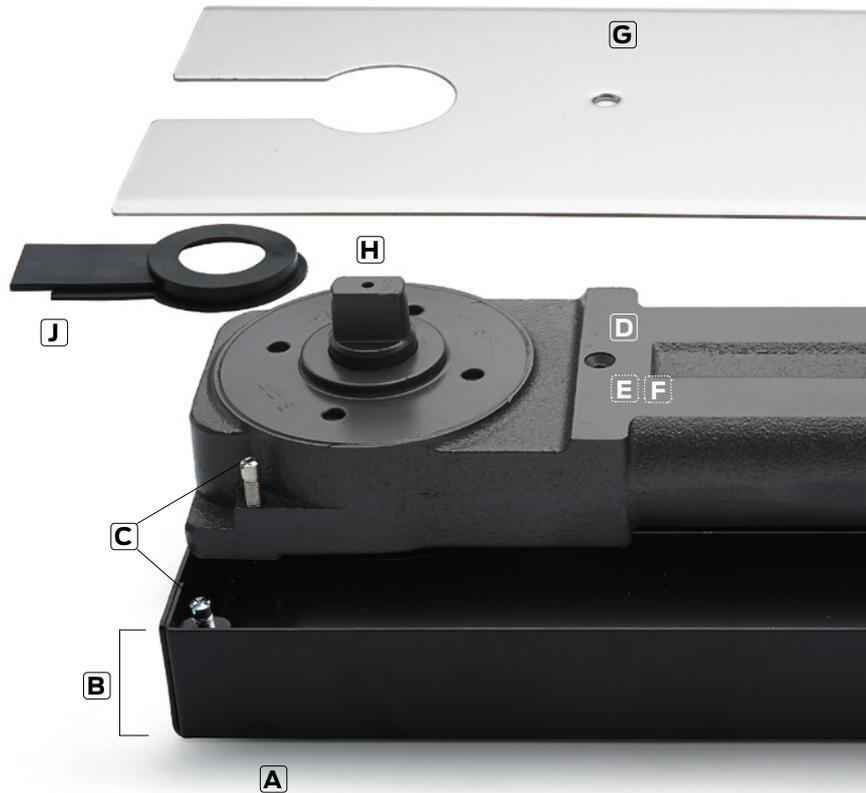
- Timber, metal and glass doors
- Areas where it is not possible or desirable to fit an overhead door closer
- Areas where an overhead door closer may be subject to abuse
- Its compact size makes it ideal where floor depth could be a problem

Performance

BRITON 2820 floor springs are fixed power units (from EN2 to EN4), fully tested to EN1154 and CE marked. The low profile cement box is ideal for single and double action doors with a maximum opening angle of 130° and an optional hold open facility (90°, 105°).

Features & Benefits

- A** Galvanised, zinc-coated and powder coated steel cement box
- B** Low profile cement box (40 mm deep), full adjustment of door closer within the cement box (height 4 mm, length 7 mm and width 10 mm)
- C** Full adjustment of spring body within the cement box for perfect door alignment
- D** Spring body in cast aluminium
- E** Hardened steel mechanism with ball bearing race for optimum efficiency
- F** High quality hydraulic fluid with built-in temperature compensation ensures reliable performance from -15° to +40° without the need for seasonal adjustments
- G** Stainless steel cover plate available in satin or polished finish
- H** Hardened steel spindle
- I** Easy access to floor spring adjustments for closing speed and latch action. The door closer cannot be adjusted without removing the cover plate
- J** Spindle cover



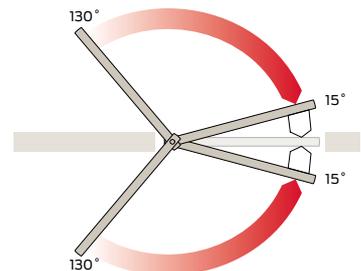
Application	Code	Max. closing force	Max. door width
Light duty	2822	<18 Nm	850 mm
Medium duty	2823	<26 Nm	950 mm
Heavy duty	2824	<37 Nm	1100 mm

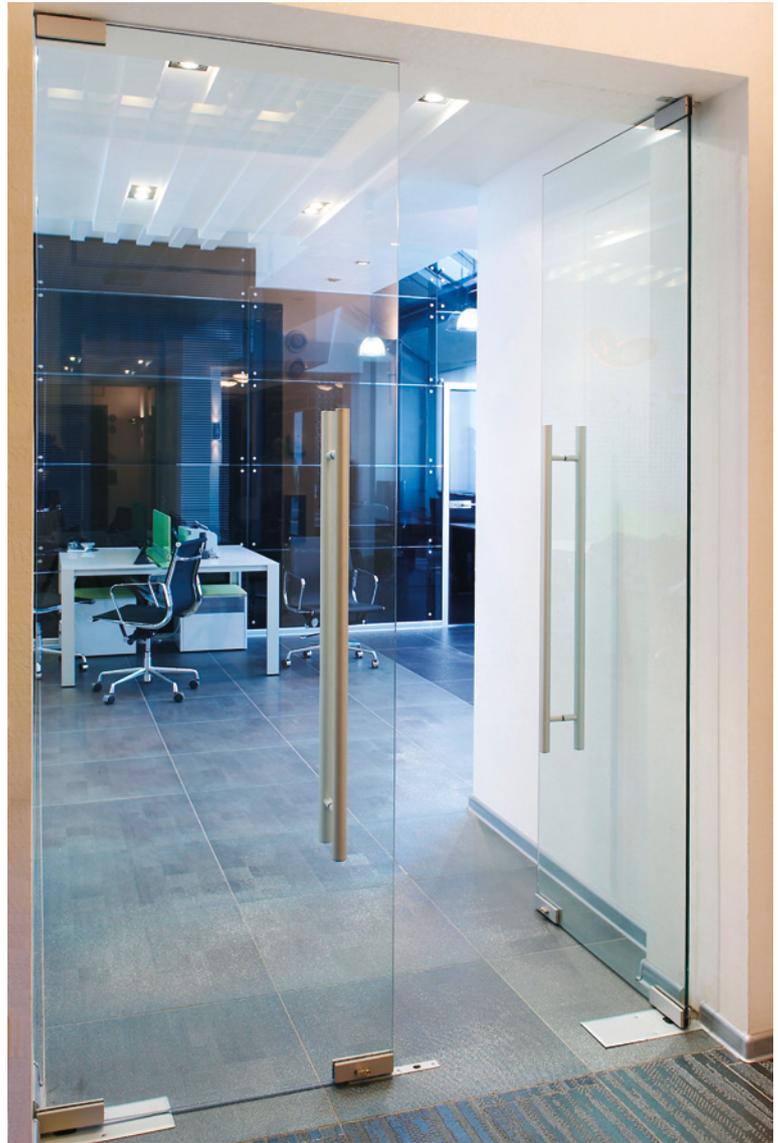
Adjustable Closing Speed

Fully adjustable for closing speed from 130° to 15°

Adjustable Latch Action

The speed of closing in the last 15° can be adjusted

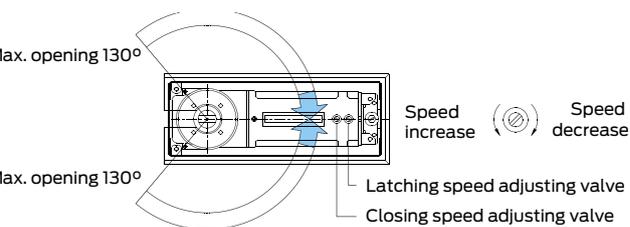


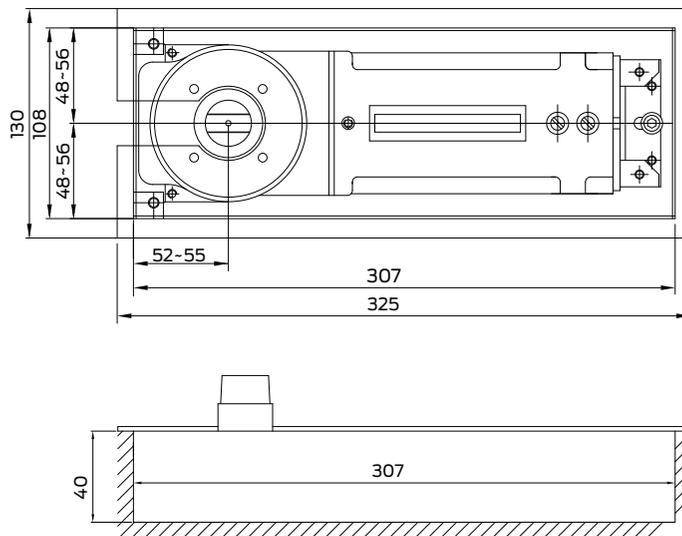


Adjustment and Alignment

With the cover of the floor spring removed, it can be adjusted within the cement box by screw adjusters to give perfect door alignment.

The adjusting valves are positioned on the top face of the floor spring body and can easily be accessed once the cover plate has been removed.





Main features

- CE marked (except Briton 2822), EN1154 certified
- Available in fixed power versions EN sizes 2, 3 & 4.
Low profile cement box (40 mm deep), adjustable for door alignment:
 - height 4 mm
 - length 7 mm
 - width 10 mm
- Suitable for single or double action doors up to 80 kg
- Suitable for glass patch fittings
- Fully adjustable for closing speed from 130° to 15°
- Fully adjustable latch action from 15° to 0°
- Max. angle of opening 130°
- Removable cover plate in stainless steel
- Optional hold open facility at 90° or 105° (specify 2823.SS.HO.90 or 2823.SS.HO.105)
- Max. door width 1100 mm (use Briton 2824 model)

Finishes

- Zinc-coated, painted cement box.
- Satin stainless steel cover.

Product Selector

Product features		Codes				
Power size	Max. door size	2822.SS	2823.SS	2824.SS	2823.SS.HO.90	2823.SS.HO.105
1	750 mm - 20 kg					
2	850 mm - 40 kg	✓				
3	950 mm - 60 kg		✓		✓	✓
4	1100 mm - 80 kg			✓		
5	1250 mm - 100 kg					
6	1400 mm - 120 kg					
Main features		2822.SS	2823.SS	2824.SS	2823.SS.HO.90	2823.SS.HO.105
CE marked			✓	✓		
Conforms to EN 1154		✓	✓	✓	✓	✓
Fixed closing power - EN size		2	3	4	3	3
Suitable for single action doors		✓	✓	✓	✓	✓
Suitable for double action doors		✓	✓	✓	✓	✓
Max. angle of opening		130°	130°	130°	130°	130°
Closing speed adjustment		✓	✓	✓	✓	✓
Latch action adjustment		✓	✓	✓	✓	✓
Mechanical hold open option					✓	✓
Low profile cement box		✓	✓	✓	✓	✓
Dimensions		box 307 x 108 x 40 mm - cover 325 x 130mm				
Cover plate in satin stainless steel		✓	✓	✓	✓	✓
Cover plate in polished stainless steel		option	option	option	option	option

Certification

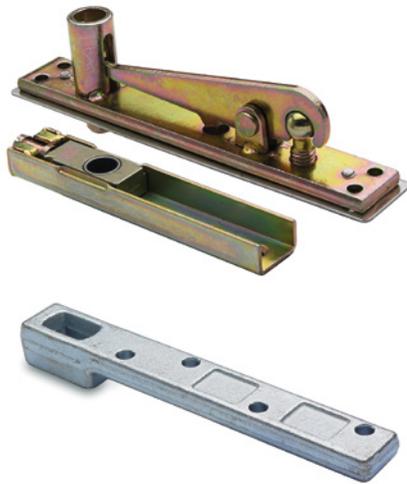
The Briton 2820 Series is certified for conformity with the requirements of EN 1154. It is CE marked and classified as shown below

PLEASE NOTE:

DOOR CLOSERS FITTED WITH MECHANICAL HOLD OPEN CANNOT BE USED ON FIRE DOORS

EN classification	(0/1)	(1)	(0/4)
	(3/4)	(8)	(1-7)
	1	1	3
2823	3	8	3
	1	1	3
2824	3	8	4

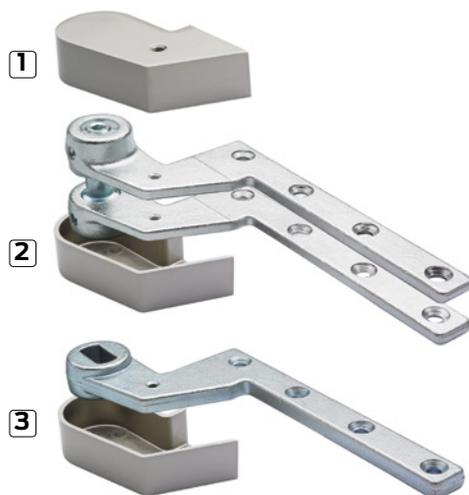
Briton 2820 DAP
pivot accessory for double action doors
 Adjustable top pivot accessory.



Bottom pivot accessory

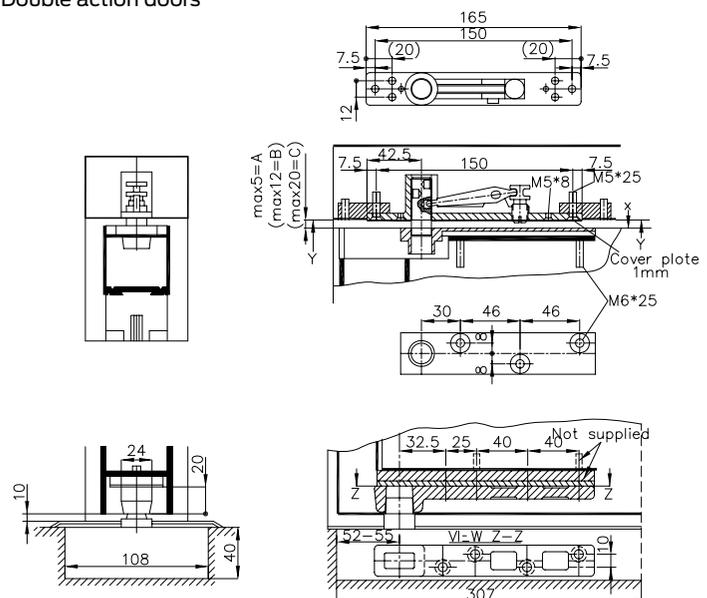
Briton 2820 SAP pivot accessory for single action doors

Top pivot accessory with cover caps. Can be used for left or right hand doors



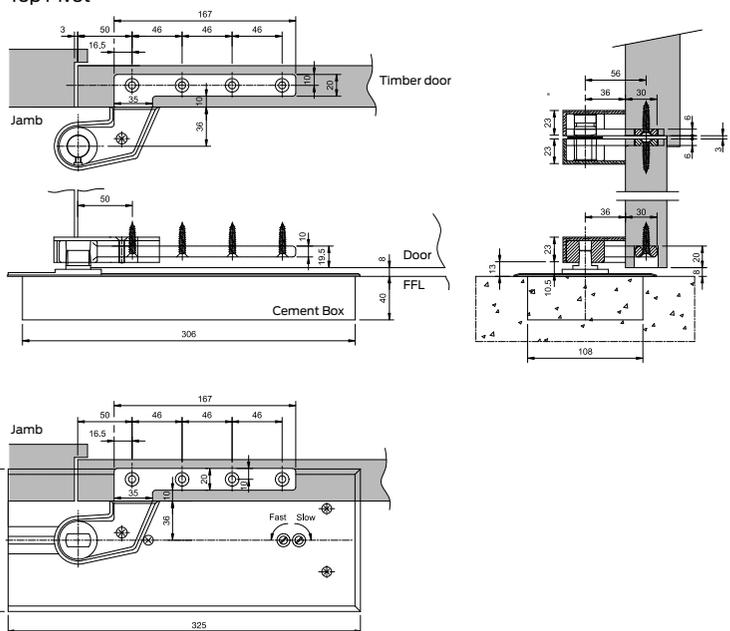
The bottom strap with cover cap can be used for right or left hand doors

Double action doors



Single action doors

Top Pivot



Code	Description
2820 DAP	Double action accessory pack
2820 SAP	Single action accessory pack
2820.CP.SAP.PS	Cover plates for single action pack

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in seamless access, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion secures people and assets with a range of solutions for homes, businesses, schools and institutions. Allegion had \$2.9 billion in revenue in 2019 and sells products in almost 130 countries.

For more, visit allegion.com.



 CISA SpA
Via Oberdan 42
48018 Faenza (RA) Italy

 Ph. +39 0546 677111
Fax +39 0546 677150

 Customer Service and Technical Support
+39 0546 188 0070



cisa.com
cisa.sales@allegion.com



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