

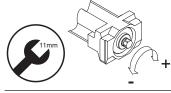
Fixing Instructions for : S4014 Floor Spring Adjustable Power EN 1-4



Synergy floor springs are supplied in component form, Double action floor spring Single action floor spring depending on whether the door is double swing or single Component View Component View swing. All Synergy floor spring mechanisms are for use on both double or single swing doors, as it is the strap sets that are made specifically for double or single action doors. Full Turns Of Spring Power Size Max. Door Width Max. Door Weight Adjusting Nut Single or Double action strap set. EN1 800mm max. 20kg -5 EN2 900mm max. 40kg -2 * EN3 950mm max. 60kg 0 EN4 1100mm max. 80kg +3 * Factory preset Mechanism cover plate (Maximum door weight capacity 150kgs which is outside of EN1154 testing classification.) spring mechanism B) Cement box đ Hold Open 105° 90° 83 39~44 Max. Opening angle 170 Ø 180 Max. Opening angle 170 291 Hold Open À) Ć À Ĉ B (B) (A) Height adjustment (4 screws) **Cement Box** (B) Forward / Backwards adjustment (4 screws) C Left / Right adjustment (4 screws) 5 (D)Closing speed adjustment from 170° ~ 15°. 54~62 (E) Latching speed adjustment from $15^{\circ} \sim 0^{\circ}$. 275 82

Adjustment Details

- \bullet Adjustment between door and frame can be made after loosening screws B and C .
- Adjustment of door height can be made after loosening screws B and C and adjusting screw A.
- Adjustment of closing speed is via the 2 regulating valves. D controls the closing range 170° ~ 15°. E controls the closing range 15° ~ 0°. FAST SLOW



PLEASE NOTE adjustment should not exceed 10 turns from the minimum setting otherwise the unit may be damaged and invalidate its warranty.

Installation and Maintenance Instructions:



- 1.Please note the minimum power size requirement for fire / smoke door assemblies is 3 as required by Approved Document B.
- 2.Do not install mechanical hold open devices on fire / smoke door assemblies.
- 3.Take care not to exceed the maximum opening angle as detailed above.
- 4.Care and attention must be taken when adjusting any of the units control valves to avoid damage through over adjustment.
- 5.All Synergy Door Closer units are sealed for life and the internal components assembled under high load, therefore, tampering with the mechanism is to be strictly avoided.





1.When the closer operates to close the door from its maximum opening position, it should ensure the lock latchbolt and any seals are overcome and the leaf returned into its frame.

2.When the door is slightly open and the latch bolt resting against the strike, release the door to ensure the leaf fully closes into its frame.

