8600 DS/DST/SDS/SDST

Door saver and spring door saver arms with thumb turn and key turn hold open

Installation instructions

08280451 - 01-2021



dormakaba 🚧

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2

Hold open range is from 85° to 110° with

Know the swing of the door which is being

Verify closer spring size prior to installation.

Make sure door efficiently operates prior to

optional hold open kit.

installing closer.

installed prior to installation.

1 Technical specifications

1.1 Overview



Caution: sex nuts are required for attachment of components to unreinforced doors and to wood or plastic faced composite type fire doors, unless an alternative method is identified in the individual door manufacturer's listings.

Maximum door opening degree is 110°.

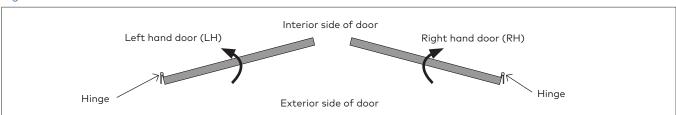
1.2 Tools recommended

Table 1

Drill bits:	#3 Phillips screwdriver		
Metal: 7/32" drill bit; 1/4-20 tap	3/16" flat head screwdriver		
Wood: 3/8″ and 5/32″ bit	5mm hex key		
1/2" box wrench	10″ box wrench		

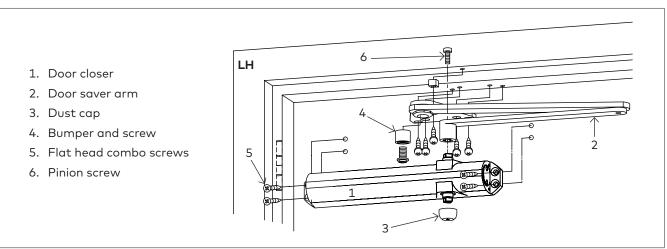
1.3 Handing the door

Fig.1



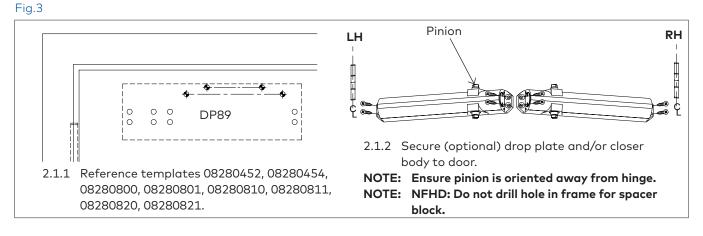
1.4 Closer system

Fig.2

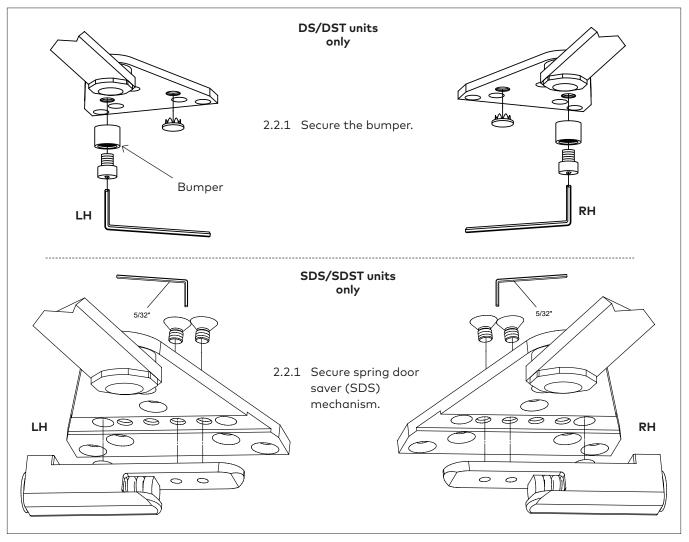


2 Instructions - parallel mount

2.1 Installing (optional) drop plate and surface closer

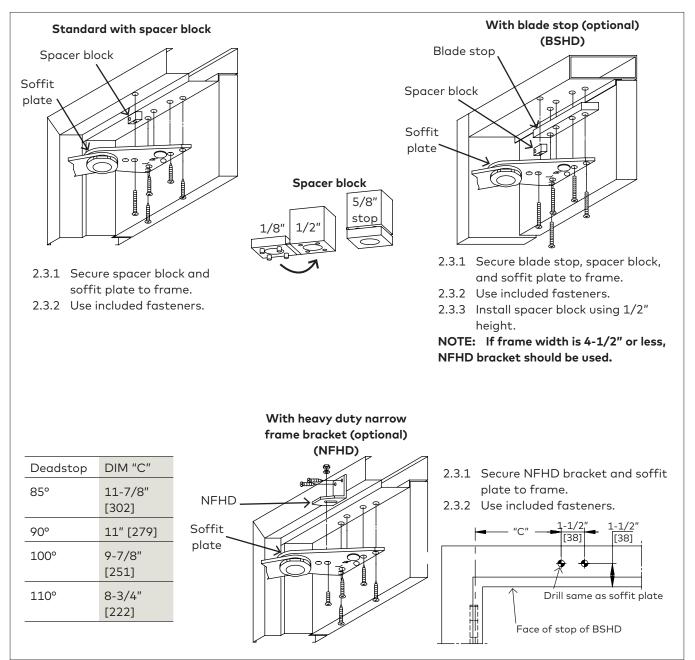


2.2 Secure door saver arms (DS/DST or SDS/SDST) Fig.4



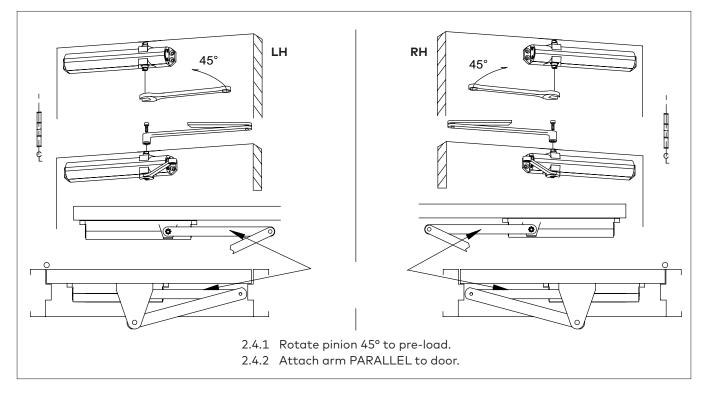
2.3 Secure soffit plate to frame: spacer block, blade stop, or narrow frame bracket

Fig.5



Securing main arm to closer 2.4

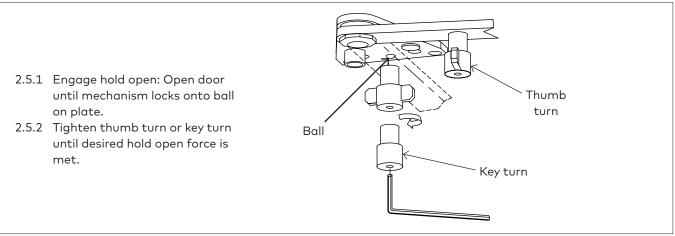
Fig.6



Adjust hold open (DST/DSK units only) 2.5

Fig.7

6



Adjustments 3

Confirm closer spring size prior to making any closing speed adjustments.

A Do not back valve heads out beyond closer casting.

Backcheck positioning MUST be turned "ON" for parallel arm applications.

- Backcheck position will advance approximately 15°. ∕∕∖
- Check delayed action (DEL) function if supplied. ⋒



🕂 Maximum opening angle is 110°.

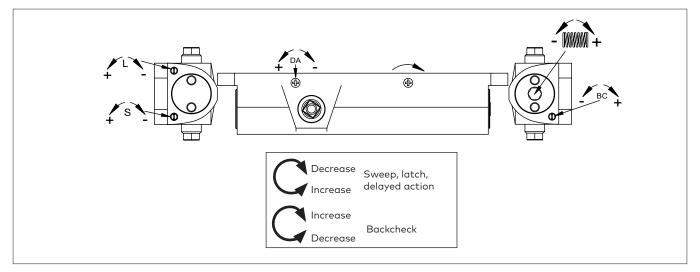
Door should close in 3 to 6 seconds from 90°. A

🔨 Do not close valves completely.

Ball bearing hinges and pivots should always be used.

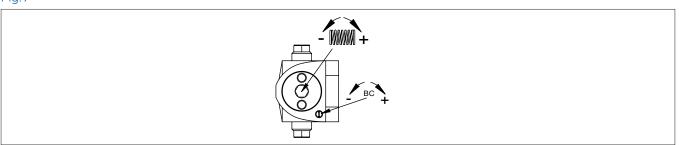
8616 meets 5lb interior barrier-free requirements. 🗥 If necessary, adjust closer spring and test pull forces until proper forces are obtained.

Adjust closing speeds: sweep, latch, backcheck, delayed action 3.1 Fig.8



3.2 Adjust spring force



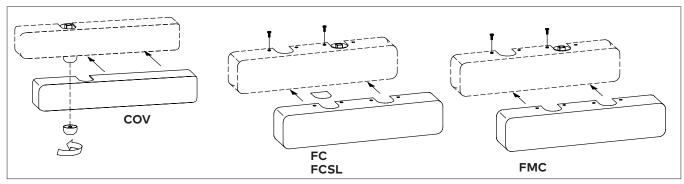


Parallel mount								
	(locar siza	Max door weight (lbs)	Door width		Full turns			
			Interior	Exterior	Full turns			
	3	100	2'-6"		-11			
	4	125	3'	2'6"	0			
	5	150	3'6"	3'	+5			
	6	200	4'	3'6"	+13			



Fig.10

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