

BTS80EMB/IF x butt hinges

Package IF - Pull side mount - Track installation

Surface applied to door - 145° opening - 3 hour rated

Installation instructions

08064285 – 02-2021

| EN |

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Table of contents

| | | |
|----------|--|----------|
| 1 | Installation | 3 |
| 1.1 | Attach spindle and install closer | 3 |
| 1.2 | Install slide block to arm | 3 |
| 1.3 | Install slide arm (7451) to closer | 4 |
| 1.4 | Secure track to door | 4 |
| 2 | Templates | 5 |
| 2.1 | Closer template | 5 |
| 3 | Adjustments | 6 |
| 3.1 | Adjust bottom door clearances (if necessary) | 6 |
| 3.2 | Adjust closing speeds | 6 |
| 3.3 | Sealing compound (optional) | 6 |
| 4 | Covers | 6 |
| 4.1 | Install cover | 6 |

1 Installation

1.1 Attach spindle and install closer

Fig.1

1.1.1 Center closer in cement case.

1.1.2 Tighten mounting screws.

1.1.3 Pull solenoid wire through conduit. (Conduit supplied by others.)

1.1.4 Attach conduit to conduit connector on end of cement case.

1.1.5 Top of cement case must be flush with finished floor.

1.1.6 Cement case must be LEVEL and installed PARALLEL to frame.

1.1.7 Spindle center line must be accurately located.

1.1.8 Grout cement case in place.

1.1.9 Slide washer over tapered square end of spindle until fully seated in groove.

1.1.10 Fasten spindle with spindle screw provided.

1.1.11 Tighten securely with 5mm hex key.

**CRITICAL:
WASHER MUST
BE INSTALLED**

1.2 Install slide block to arm

Fig.2

1.2.1 Orient arm so angle of slot appears as shown.

1.2.2 Attach slide block to arm with shoulder screw provided.

Slot

Slot

(RH door)

(LH door)

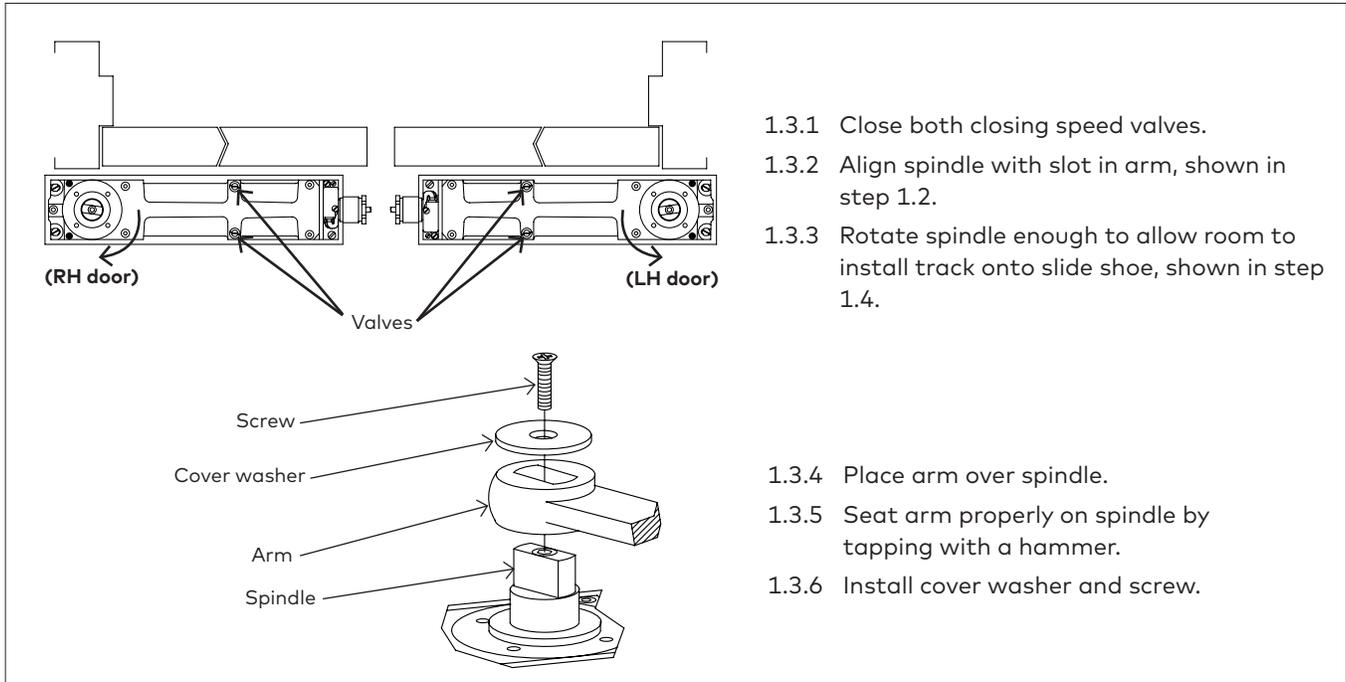
Shoulder screw

Slide block

Arm

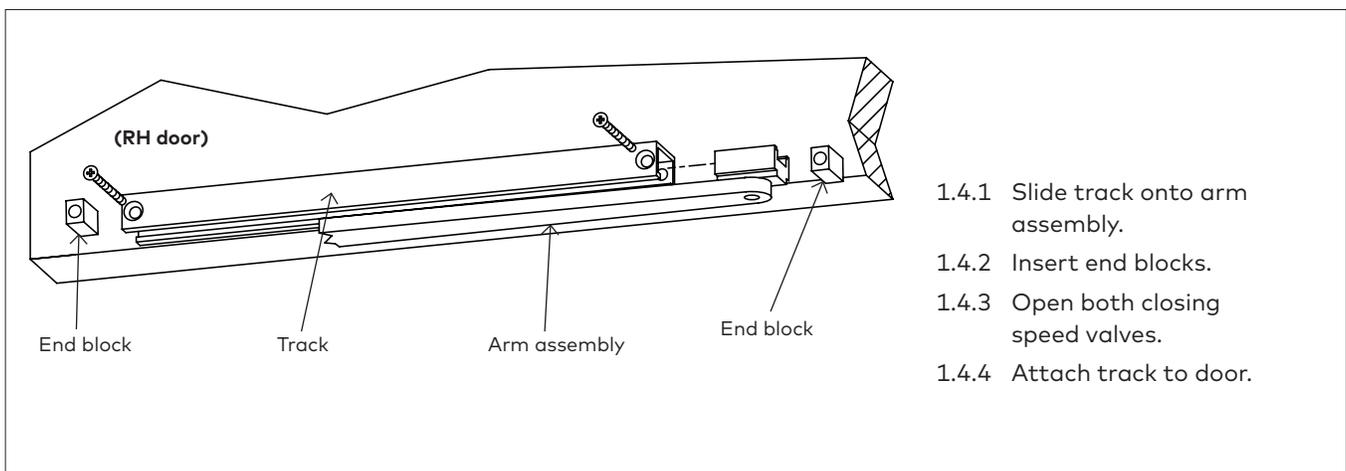
1.3 Install slide arm (7451) to closer

Fig.3



1.4 Secure track to door

Fig.4



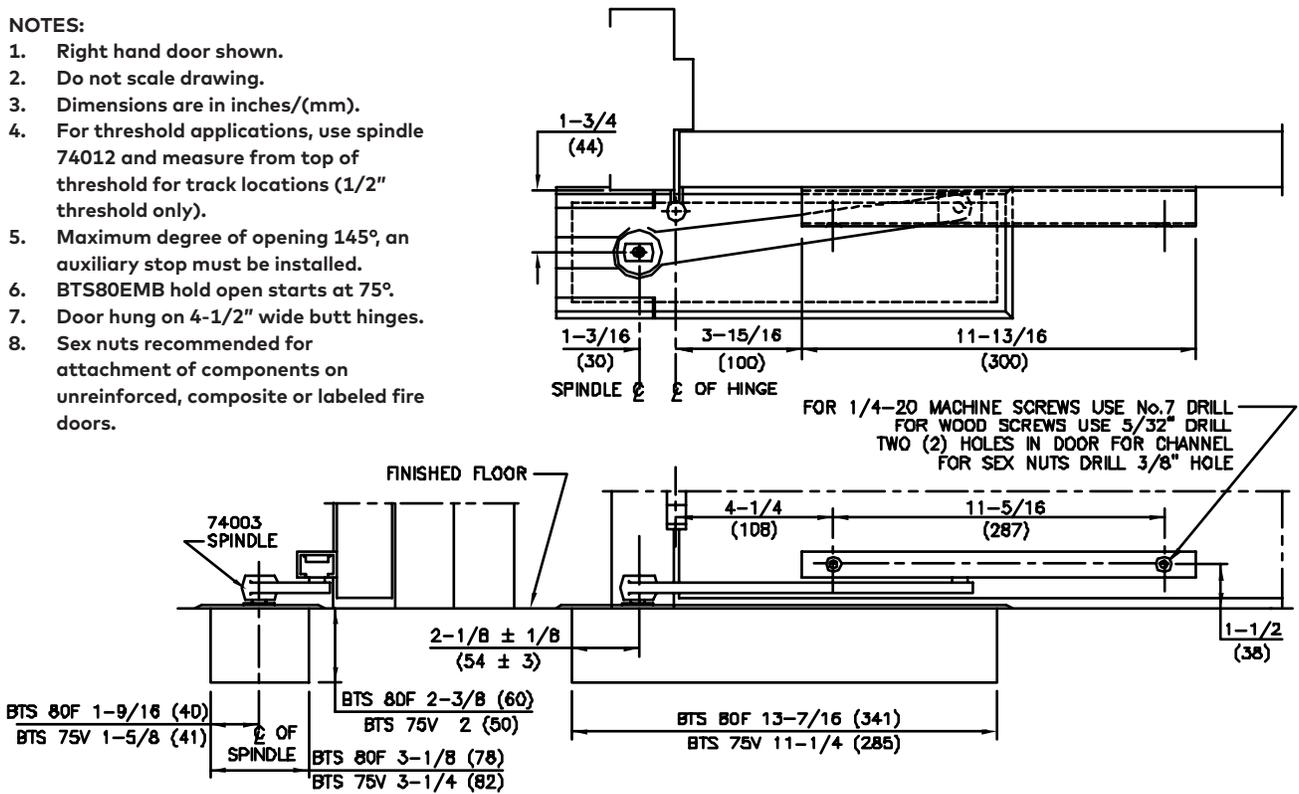
2 Templates

2.1 Closer template

Fig.5

NOTES:

1. Right hand door shown.
2. Do not scale drawing.
3. Dimensions are in inches/(mm).
4. For threshold applications, use spindle 74012 and measure from top of threshold for track locations (1/2" threshold only).
5. Maximum degree of opening 145°, an auxiliary stop must be installed.
6. BTS80EMB hold open starts at 75°.
7. Door hung on 4-1/2" wide butt hinges.
8. Sex nuts recommended for attachment of components on unreinforced, composite or labeled fire doors.



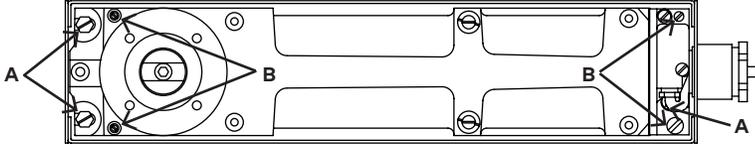
FLOOR CLOSER MODELS: BTS-75V/IF, BTS-80/IF WITH 7451N SLIDE ARM
(PULL SIDE INSTALLATION)
TRACK SURFACE APPLIED TO DOOR
FOR USE ON NON-RATED OR UP TO 3 HR. RATED DOORS

Template No. BTS-82

3 Adjustments

3.1 Adjust bottom door clearances (if necessary)

Fig.6



3.1.1 Closer can be raised approximately 5/32" with the cement case.

3.1.2 Loosen fastening screws "A".

3.1.3 Turn height adjustment screws "B" CW until desired height is obtained.

NOTE: Closer must remain level!

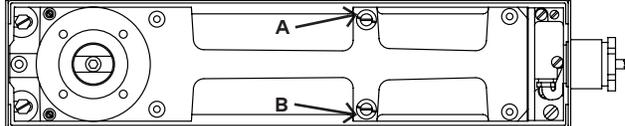
3.1.4 Re-tighten fastening screws "A".

3.1.5 If more clearance is necessary, change spindle to appropriate size.

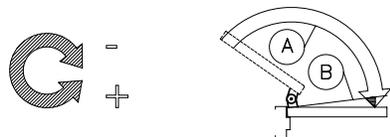
3.2 Adjust closing speeds

Fig.7

BTS80EMB



| | |
|-----------|---|
| Valve "A" | Controls closing speed from 145° to 0° |
| Valve "B" | Controls closing speed from approximately 7°-0° |



3.3 Sealing compound (optional)

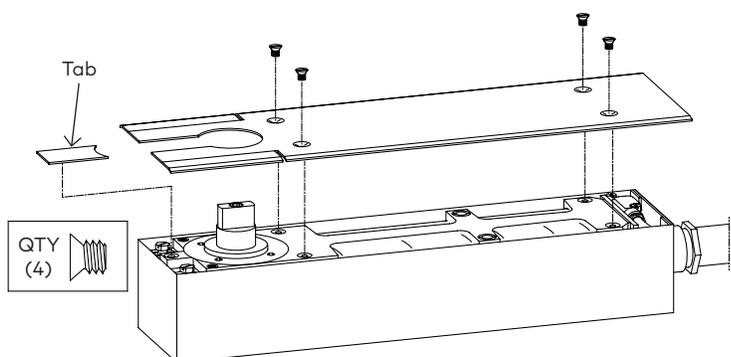
Fig.8

Sealing compound is recommended for exterior doors or areas with excessive moisture. Make all final adjustments before adding compound. Refer to instructions packed with compound for full details.

4 Covers

4.1 Install cover

Fig.9



4.1.1 Trim cover plate as required to match profile of pivot jamb.

4.1.2 Install cover plate with four screws provided.

4.1.3 Press tab in place behind spindle.

4.1.4 If threshold is installed, do not anchor threshold to closer body since closer is adjustable within cement case.

