TS9356 PKT 90, 90/P, 90/PF

Surface Applied Closer
Pocket door track mount in 90° pocket (PKT 90)
Pocket pivot (PKT 90/P)

3 hour fire-rated pocket pivot (PKT 90/PF)

Installation instructions

08279991 – 08-2019

| EN |

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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 degree of opening is 90°.
- Minimum door width is 37".
- Adjust closer spring tension for proper closing and latching of door.
- Adequate reinforcement by others required to install track in pocket.
- Pocket depth is measured from the pull side face of the door at 90°.
- Requires DORMA EM504 electromagnetic door holder
- Use closer body style "B" for this installation.
- Arrows on closer mounting plate point upward.
- Follow included template to properly prepare door and frame for all accessories of the closer installation.
- Know the swing of the door which is being installed prior to installation.
- Make sure door efficiently operates prior to installing closer.
- Verify closer spring size prior to installation.

1.2 Size selection chart

Table 1

Closer	Door width range	Maximum weight
TS9356 PKT 90	3'-1" to 4'-6"	250lbs

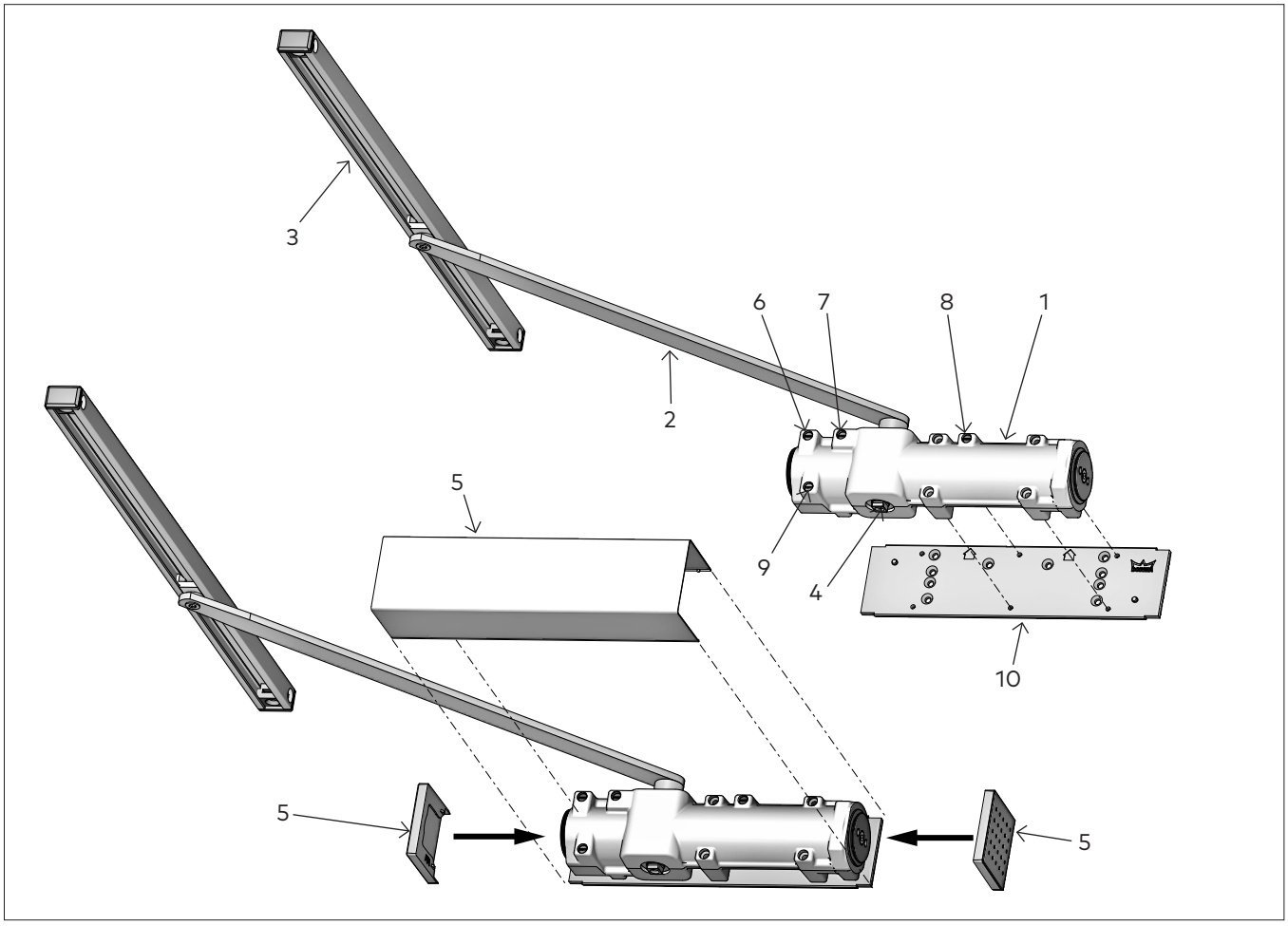
1.3 Surface closer system

Table 2

Drill bits:	#2 Phillips screwdriver
Metal: No. 21 & 10-32 tap	M2.5 hex key
Wood: 1/8"	M5 hex key

1.4 Handing the door

Fig.1

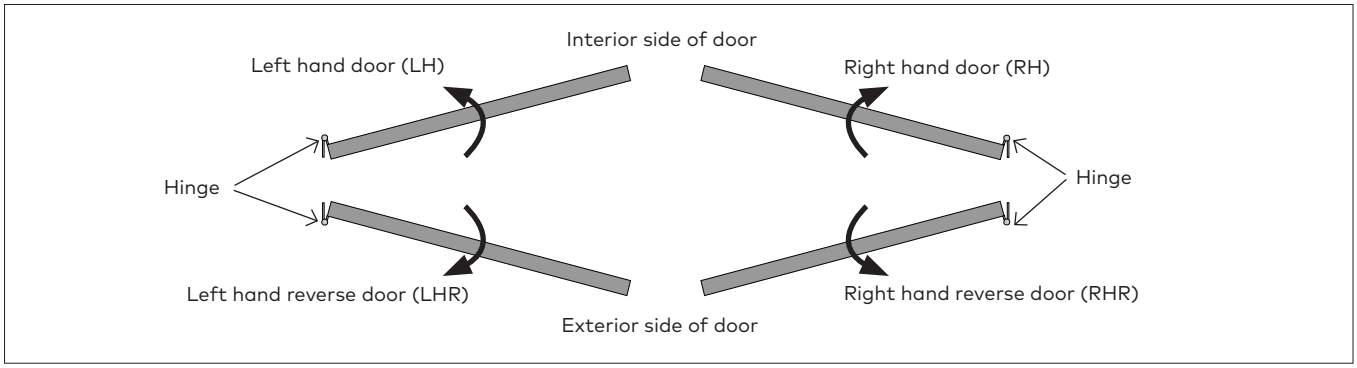


The surface closer is comprised of the following components.

1. Closer body
2. Main arm
3. Track assembly
4. Pinion
5. Cover and end caps
6. Closing/sweep speed adjustment
7. Latch speed adjustment
8. Backcheck adjustment
9. Delayed action adjustment
10. Backplate

1.5 Tools recommended

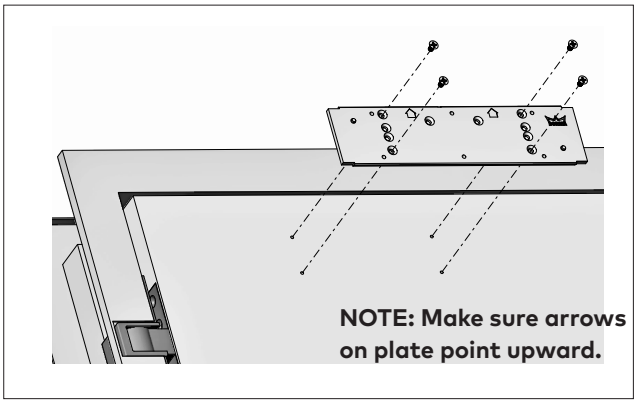
Fig.2



2 Installation instructions

2.1 Installing the back plate

Fig.3

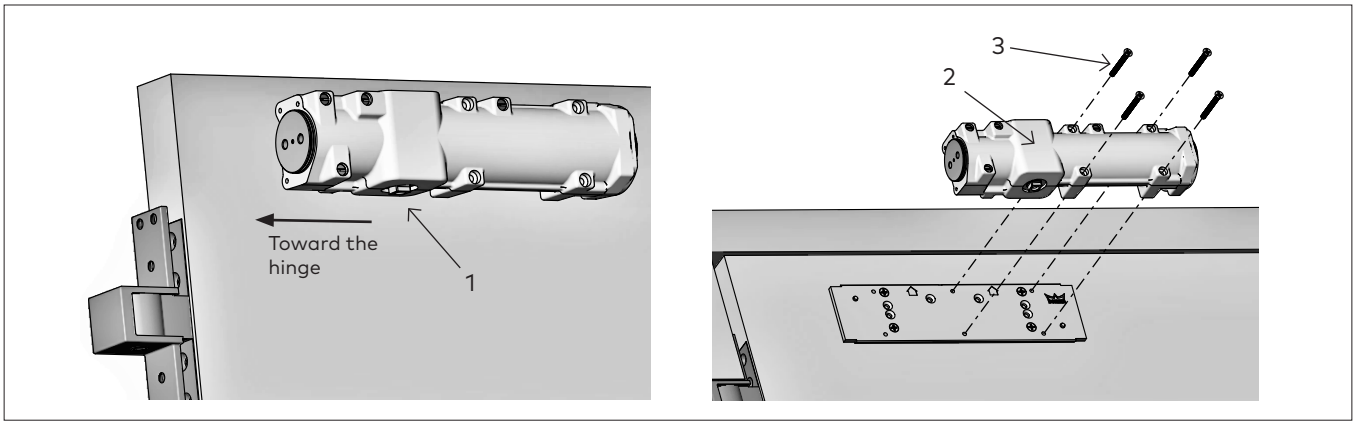


Reference template 08279992

2.1.1 Attach the back plate to the installing surface using the four screws [10-32 machine screws or #10 wood screws] provided with the surface closer.

2.2 Installing the surface closer

Fig.4

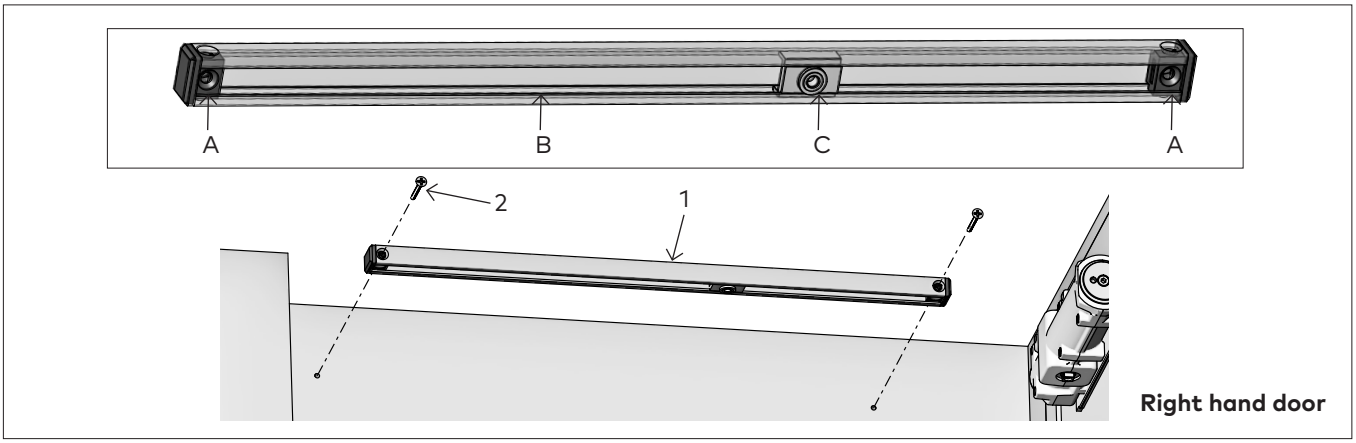


NOTE: Orient pinion (1) closest to hinge.

2.2.1 Secure the closer body (2) to the plate using the four M5x47mm flathead Phillips screws (3) provided with the plate itself.

2.3 Installing track assembly

Fig.5



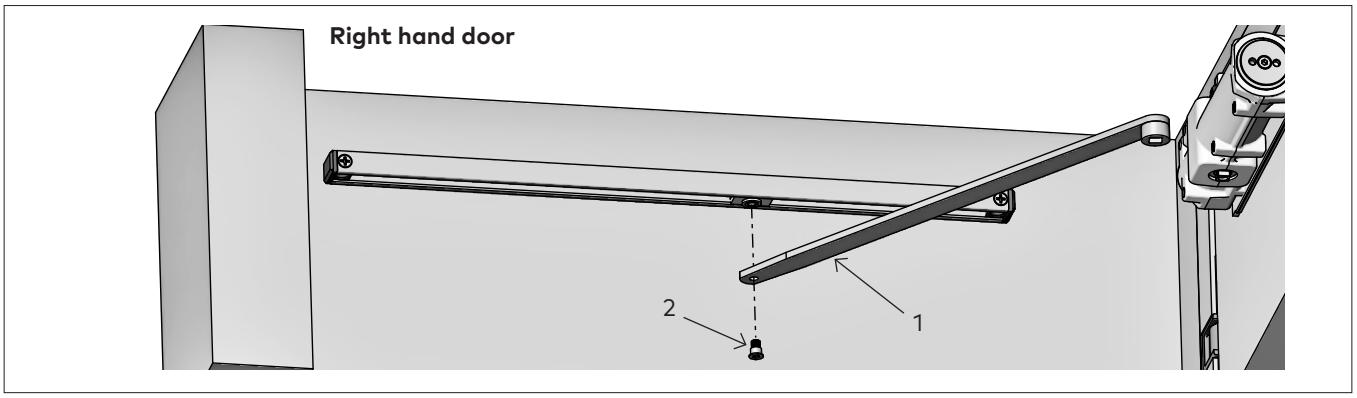
2.3.1 Position the end block inside the track channel (1).

2.3.2 Attach the track channel to the wall through the end blocks with two flat head Phillips screws (2).

A. End block
B. Track channel
C. Slide shoe

2.4 Installing main arm

Fig.6

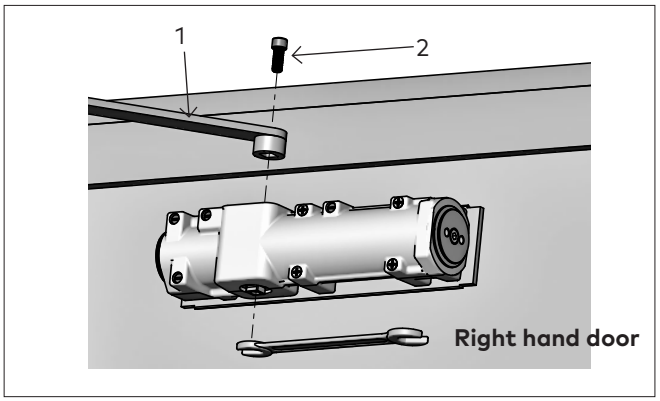


2.4.1 Align the arm (1) with the slide shoe of the track channel.

2.4.2 Secure with one M8x15mm shoulder bolt (2) using an M5 hex key.

2.5 Secure main arm

Fig.7



2.5.1 With the door closed and using an adjustable wrench (looking up at the bottom of the closer):

- **Left hand door** - turn the bottom pinion clockwise approximately 5°.
- **Right hand door** - turn the bottom pinion counter-clockwise approximately 5°.

2.5.2 Attach the main arm (1) to the top pinion with an M6x20 socket head cap screw (2) using an M5 hex key.

Be sure that the door is fully closed during application.

3 Adjustments

⚠ Set closer spring size prior to making any closing speed adjustments.

⚠ Do not back valves out beyond closer casting.

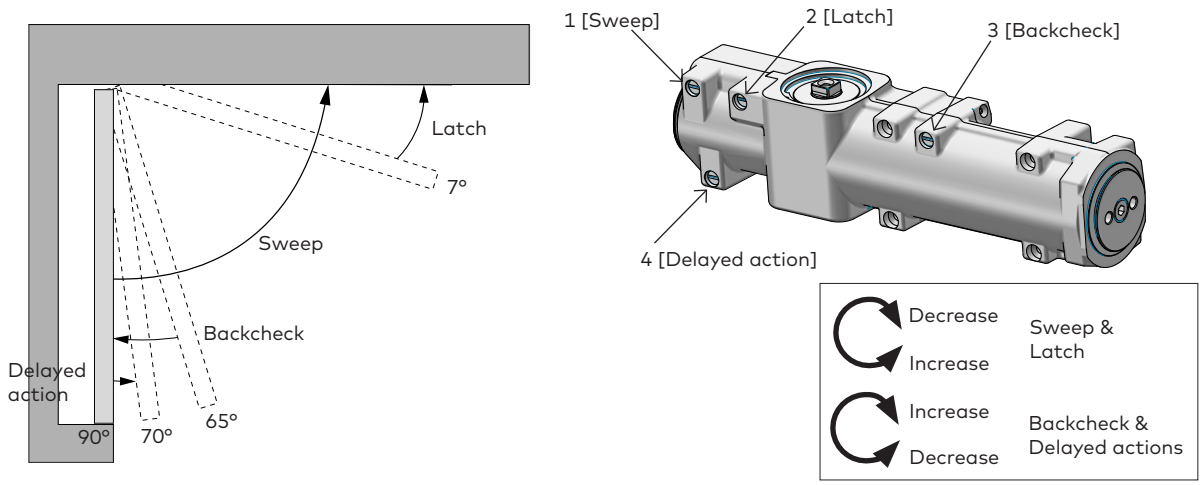
⚠ Maximum opening angle is 90°.

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

⚠ Do not close valves completely.

3.1 Adjust closing speeds: sweep, latch, backcheck, delayed action

Fig.8



3.1.1 Adjust the **closing sweep speed** (1) for the area from 70° - 0°

- Increase sweep speed: Turn valve counter-clockwise
- Decrease sweep speed: Turn valve clockwise.

3.1.2 Adjust the **closing latch speed** (2) for the area from 7° - 0°.

- Increase latch speed: Turn valve counter-clockwise
- Decrease latch speed: Turn valve clockwise.

3.1.3 Adjust the **opening backcheck** (3).

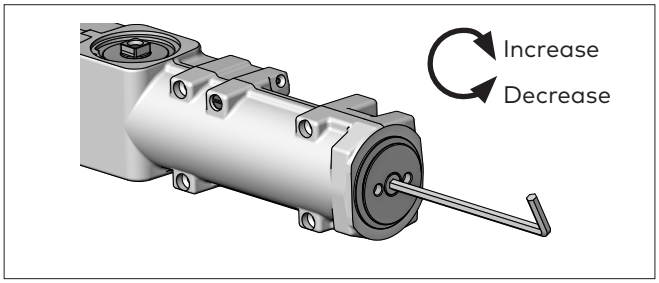
- Increase resistance: Turn valve clockwise
- Decrease resistance: Turn valve counter-clockwise.

3.1.4 Adjust the **closing** delayed action (4) for the area from 90° - 70°.

- Increase **delayed action:** Turn valve clockwise
- Decrease delayed action: Turn valve counter-clockwise

3.2 Adjust spring force

Fig.9



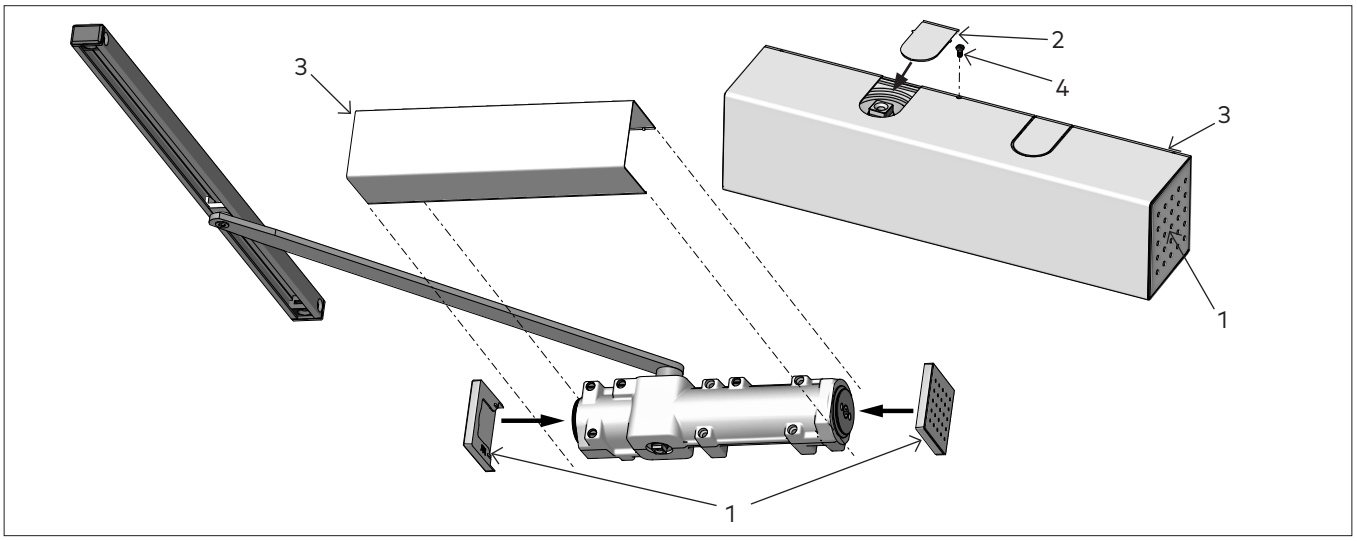
	Door width	Full turns of spring adjust	Closer size
TS9356	4′	0	5
	4′-6″	+5	6

TS9356

NOTE: Supplied with a size 6 spring setting.
Increase force: turn clockwise 6 times (max)

4 Install covers

Fig.10



4.1.1 Snap both end covers (1) into place.

4.1.2 Remove the un-needed tab (2), and snap the closer body cover (3) into place.

4.1.3 Secure with a 4-40 Phillips pan head screw (4) .

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