armor

## 1300 SERIES DOOR CLOSER

FEATURES

(1) Hydraulic door closer

(2) Aluminium alloy die casting body. Modernize style, sliding dress cover.

(3) Suitable for hollow steel, and wood doors with any kind of frame, reversible hand installation.

(4) Adjustable spring power, from size 2 to size 4 Multi size .

(5) According to installed dimension be able to select desirable opening angle.

(6) Universal application for STANDARD, TOP JAMB and PARALLEL arm installation.

(7) Precise two speed adjusting valve for control door closing smoothly.

(8) Standard adjustable BACK CHECK .
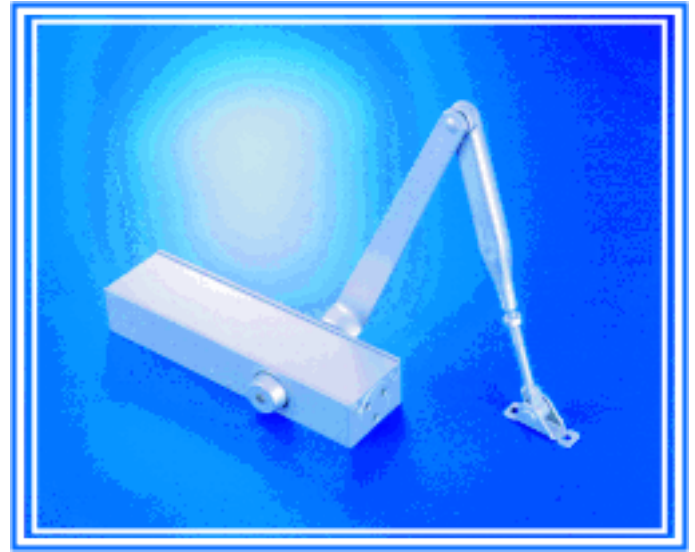
SELECTION CHART

No . of turned	Power size	STANDARD TOP JAMB INSTALLATION				PARALLEL INSTALLATION				DOOR WEIGHT (Ret) lbs
		Interior door width (mm)	Exterior door width(mm)		Minimum Lbf.	Interior door width (mm)	Exterior door width(mm)		Minimum Lbf.	
			Swing out	Swing in			Swing out	Swing in		
2	-6	900	800	700	3	800	700	600	2	50~100
3	0	950	900	800	5	900	800	700	3	80~150
4	5	1050	950	900	8	950	900	800	5	130~200

- counterclockwise, + clockwise

ADJUSTMENT

(1) Individual two speed adjusting valves for adjust both closing speed from 180°~15° and 15°~0° .

(2) Speed adjusting valves turned clockwise for slow down the closing speed, turned counterclockwise for speed up the closing speed.

(3) The closing speed adjust range from 180° to 15° and latching speed adjust from 15° to 0° (refer to FIG. B).

(4) Back check function act on door open to about 75° to avoid damage to doorware, to adjust the reaction of BC Please refer to FIG. A .

(5) Choose either of slide arm or cam hold-open arm (option), it may hold the door in any of your set-up point within 75° to 180°

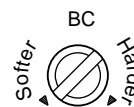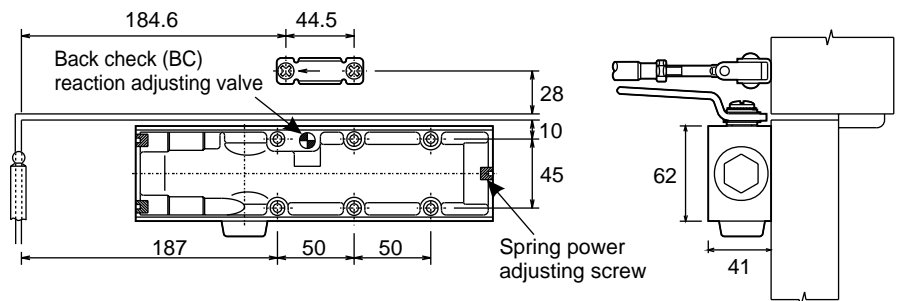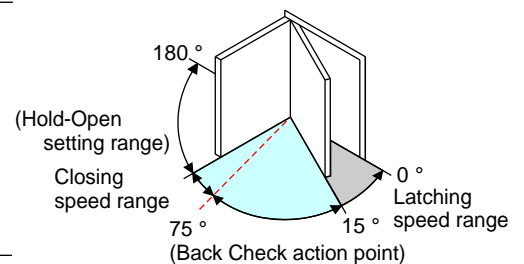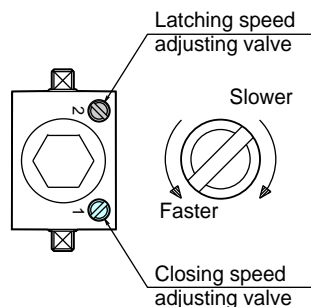184.6   44.5

Back check (BC) reaction adjusting valve

28
10
45

187   50   50

Spring power adjusting screw

62
41

BC
Softer — Harder

Spring power
Weaker — Stronger

FIG. A

Latching speed adjusting valve

Slower

Faster

Closing speed adjusting valve

180°
(Hold-Open setting range)
Closing speed range
75°
(Back Check action point)
15°
0°
Latching speed range

FIG. B

Installation instructions *for 180° opening*

Standard Installation
(Closer mounted on door on pull side)

184.6(7⁹/₃₂") 44.5 (1³/₄")

Spindle shaft

Arm screw and washer

Arm shoe

28(1¹/₈")
10(³/₈")
B. C. Valve
45(1³/₄")

Speed valve

Spring power adjusting screw

Cover Cap

184(7¹/₄") 50 (1³¹/₃₂") 50 (1³¹/₃₂")

Spring power adjusting screw
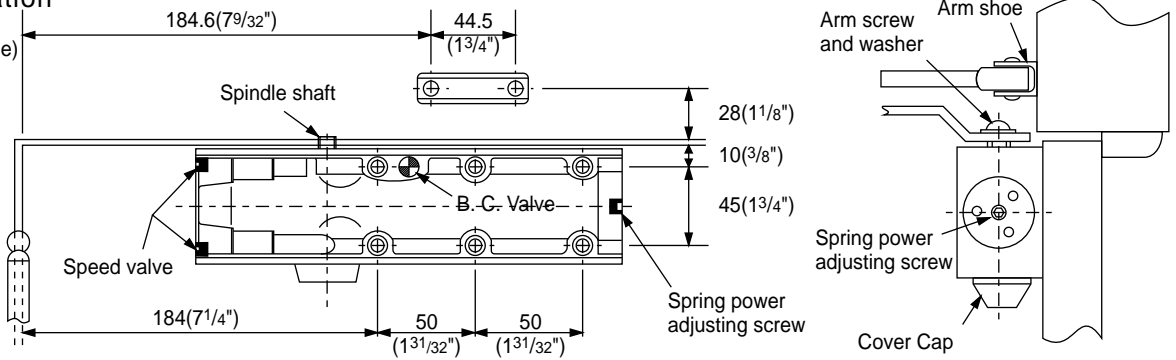
Top Jamb Installation
(Closer mounted on top jamb on push side of door)

184(7¹/₄") 50 (1³¹/₃₂") 50 (1³¹/₃₂")

Cover Cap

Spring power adjusting screw

Speed valve

B. C. Valve

45(1³/₄")

70(2³/₄")

Springpower adjusting screw

10(³/₈")

Spindle shaft

28(1¹/₈")

Arm screw and washer

Arm shoe

184.6(7⁹/₃₂") 44.5 (1³/₄")
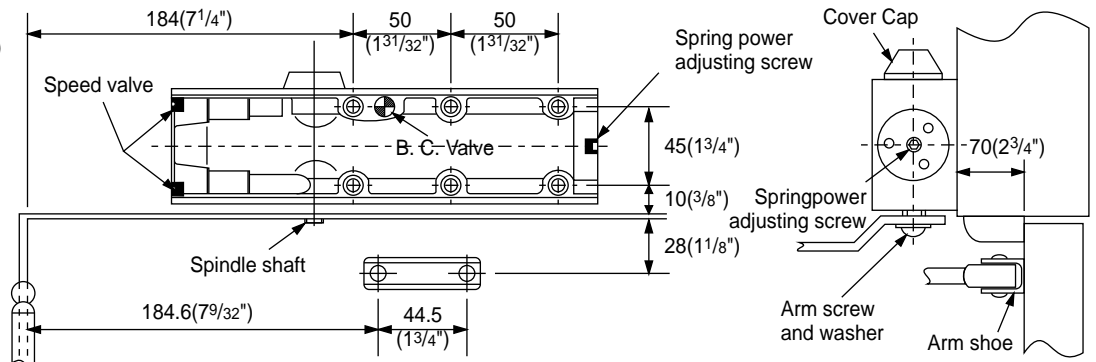
Parallel Installation
(Closer mounted on door on push side)

67 (2⁵/₈")

Spring power adjusting screw

45 (1³/₄")

B. C. Valve

64(2¹/₂") 50 (1³¹/₃₂") 50 (1³¹/₃₂")

Speed valve

141(5⁹/₁₆") 44.5 (1³/₄")

Parallel bracket

Arm screw and washer

22.2 (7/8")

19 (3/4")

8 (5/16")

Parallel bracket

Spindle shaft

Cover Cap
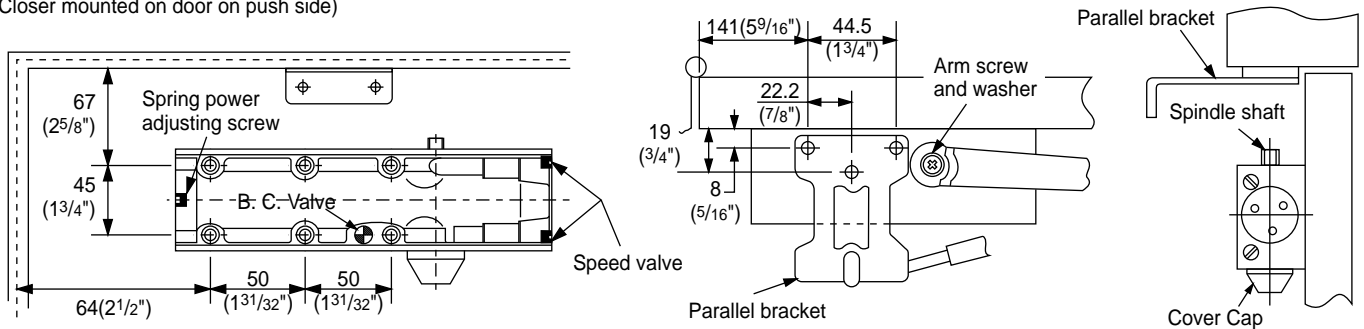
Finished color Abbreviations   AL   Aluminium   DU   Dark Bronze   BZ   Gold

Three years warranty from delivery.