

armor

80 SERIES DOOR CLOSER

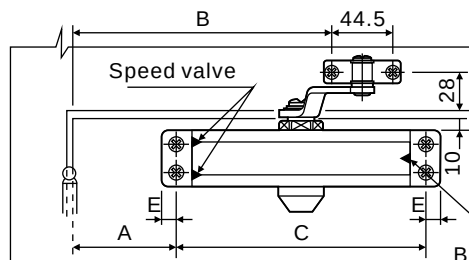
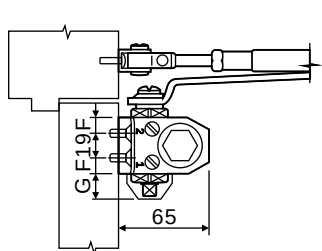
FEATURES

- ◆ Hydraulic door closer
- ◆ Size 2 to size 5 with different body sizes
- ◆ The hardened steel rack and pinion mechanism is housed in the alloy aluminum body
- ◆ Reversible for both left and right handed doors
- ◆ Universal applications for standard, top jamb, or parallel arm installation (Optional parallel bracket)
- ◆ Suitable for both metal and wood doors
- ◆ Adjustable closing speed from 180° ~15° by turning the adjusting valve 1
- ◆ Adjustable latching speed from 15° ~0° by turning the adjusting valve 2
- ◆ Standard adjustable BACK CHECK

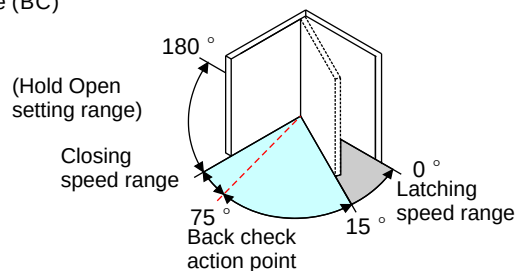
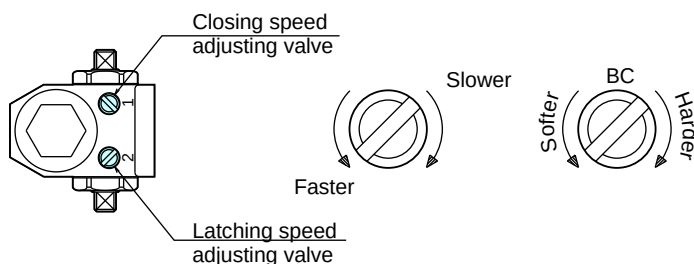


SELECTION CHART

SIZE No .	STANDARD / TOP JAMB INSTALLATION				PARALLEL INSTALLATION				DOOR WEIGHT (Ref) 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		
82	900	800	700	5	800	700	600	3	44~88
83	950	900	800	6	900	800	700	5	88~132
84	1050	950	900	8	950	900	800	6	132~176
85	1200	1050	950	11	1050	950	900	8	176~220



	A	B	C	D	E	F	G
82	160	305	187	73.4	9.5	12.7	22.6
83	151	305	208	73.4	9	12.7	22.6
84	140	305	230	76.5	9	13	22.6
85	140	305	230	76.5	9	13	22.6



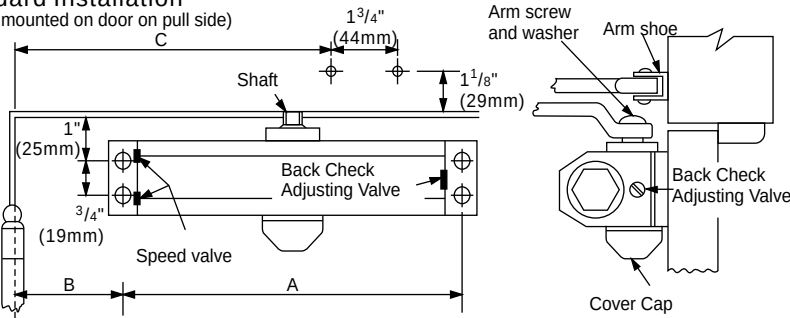
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KUNSHAN HENG KUO MACHINERY CO., LTD

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CHINA PLANT : No.388 Lu Chen Road kun Shan City CHINA
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Installation instructions

Standard Installation

(Closer mounted on door on pull side)

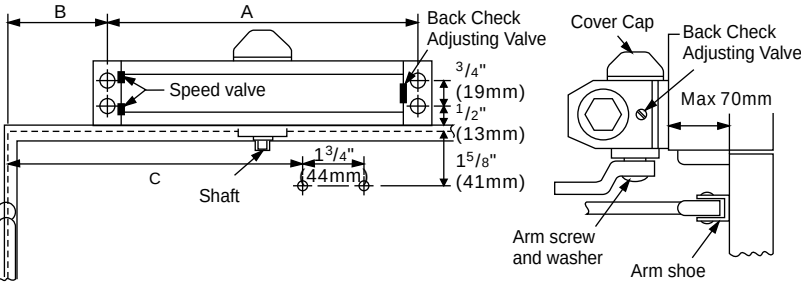


Same dimensions apply to Left Hand Doors.
Measurements B & C start from the edge of the door.

Closer size	A	FOR OPENING TO 120 °		FOR OPENING TO 180 °	
		B	C	B	C
2	7 3/8" (187mm)	6 5/16" (160mm)	12" (305mm)	4 7/8" (124mm)	10" (254mm)
3	8 3/16" (208mm)	5 15/16" (151mm)	12" (305mm)	4 1/2" (114mm)	10" (254mm)
4&5	9 1/16" (230mm)	5 1/2" (140mm)	12" (305mm)	4 1/16" (103mm)	10" (254mm)

Top Jamb Installation

(Closer mounted on top jamb on push side of door)

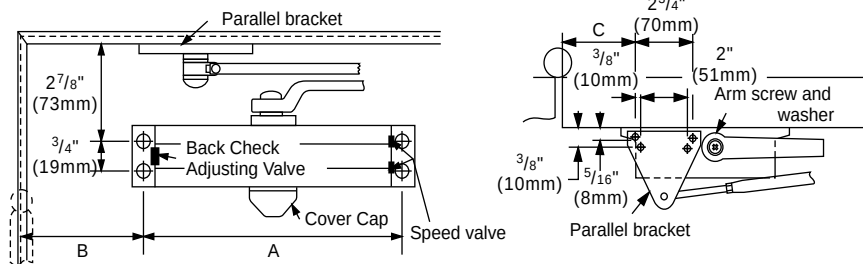


Same dimensions apply to Right Hand Doors.
Measurements B & C start from the edge of the door.

Closer size	A	FOR OPENING TO 120 °		FOR OPENING TO 180 °	
		B	C	B	C
2	7 3/8" (187mm)	6 7/16" (164mm)	11 3/4" (298mm)	4 1/4" (108mm)	8 3/4" (222mm)
3	8 3/16" (208mm)	6 1/16" (154mm)	11 3/4" (298mm)	3 7/8" (98mm)	8 3/4" (222mm)
4&5	9 1/16" (230mm)	5 5/8" (143mm)	11 3/4" (298mm)	3 7/16" (87mm)	8 3/4" (222mm)

Parallel Installation

(Closer mounted on door on push side)



Same dimensions apply to Right Hand Doors.
Measurements B & C start from the edge of the door.

Closer size	A	FOR OPENING TO 120 °		FOR OPENING TO 180 °	
		B	C	B	C
2	7 3/8" (187mm)	8 3/4" (222mm)	9 1/16" (230mm)	7 3/8" (187mm)	7 11/16" (195mm)
3	8 3/16" (208mm)	8 3/8" (213mm)	9 1/16" (230mm)	7" (178mm)	7 11/16" (195mm)
4&5	9 1/16" (230mm)	7 15/16" (202mm)	9 1/16" (230mm)	6 9/16" (167mm)	7 11/16" (195mm)

Finished color Abbreviations : AL (Aluminium) 、 DU (Dark Bronze) 、 BZ (Gold)

Three years warranty from delivery.