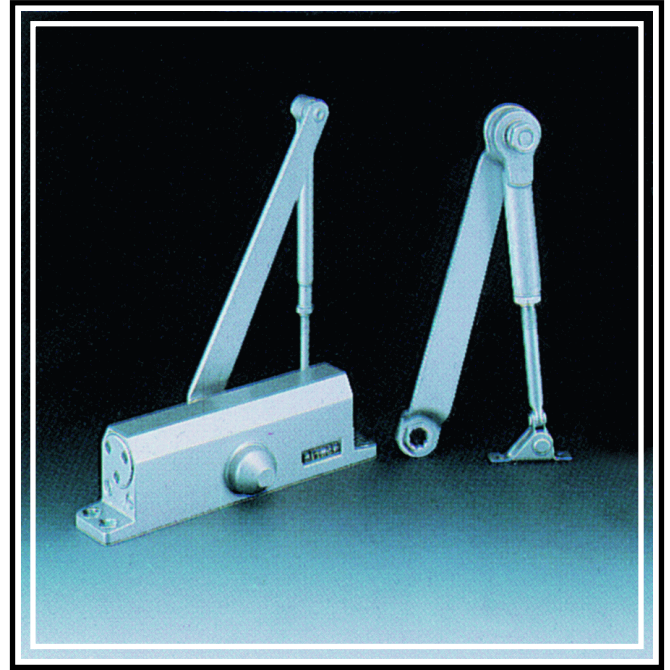


armor

200 SERIES DOOR CLOSER

FEATURES

- (1) UL Listed conforms to UL10C and UBC7-2 1997
- (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) Provide whole series from size 1 to size 5 staples regulation, less inventory for wider user needs.
- (5) According to installed dimension be able to select desirable opening angle.
- (6) Universal applications STANDARD, TOP JAMB and PARALLEL arm installation.
- (7) Precise two speed adjusting valve for control door closing smoothly.
- (8) Optional Hold-Open from size 1 to size 5, standard Back Check size 2 to size 5,



SELECTION CHART

SIZE No .	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		
1	800	700	600	3	800	700	600	2	30~70
2	900	800	700	5	900	800	700	3	50~100
3	1050	900	800	6	950	900	800	5	80~150
4	1200	1050	900	8	1050	950	900	6	130~200
5	1400	1200	1050	11	1200	1050	950	8	170~270

CLOSER DIMENSIONS in mm		CLOSER SIZE				
		1	2	3	4	5
Projection from door	A	61.5	64.5	64.5	73.4	76.5
Height of closer body	B	39	41.2	42.5	44.5	47
Length of closer body	C	138	206	226	226	248

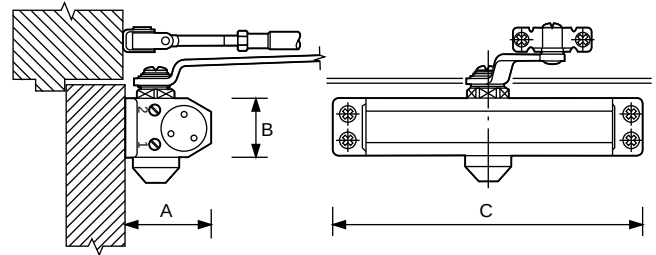


Fig.A

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.
- (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 °

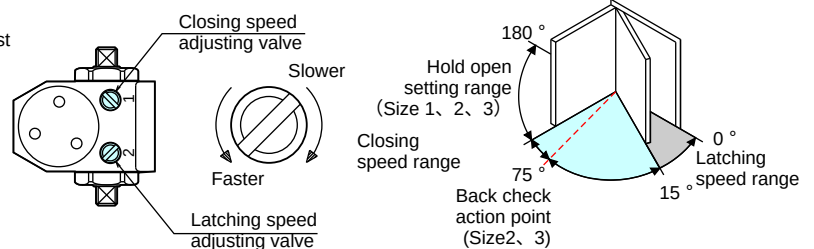


Fig.B



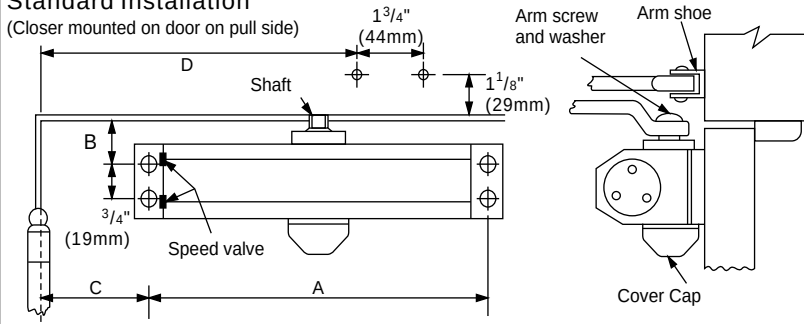
HENG KUO CO., LTD. - (TAIWAN)
KUNSHAN HENG KUO MACHINERY CO., LTD

TAIWAN PLANT : No.136, Rende 5th St., Daxi Dist.,
Taoyuan City 335, Taiwan (R.O.C.)
TEL : 886-3-380-2101 FAX : 886-3-380-2123
CHINA PLANT : No .388 Lu Cnen Road kun Shan City CHINA
TEL : 86-512-861-86625 FAX : 86-512-575-70392

Installation instructions

Standard Installation

(Closer mounted on door on pull side)



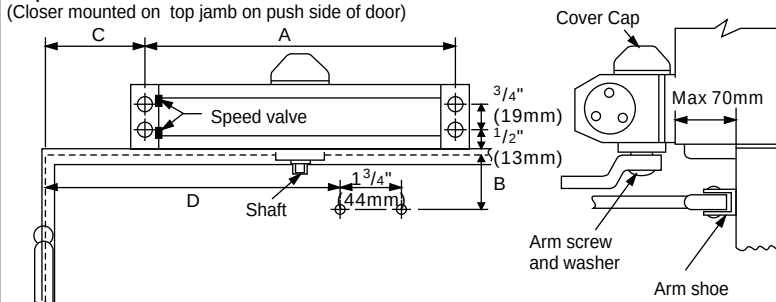
Same dimensions apply to Left Hand Doors.

Measurements B & C start from the edge of the door.

Closer size	A	B	FOR OPENING TO 120 °		FOR OPENING TO 180 °	
			C	D	C	D
1	5 ⁷ / ₁₆ " (138mm)	1" (25.4mm)	6 ¹ / ₈ " (155mm)	9 ³ / ₈ " (248mm)	3 ⁷ / ₈ " (98mm)	7 ¹ / ₂ " (190mm)
2	7 ³ / ₈ " (187mm)	1 ¹ / ₈ " (22.2mm)	5 ¹ / ₄ " (133mm)	9 ³ / ₄ " (248mm)	3" (76.2mm)	7 ¹ / ₂ " (190mm)
3	8 ³ / ₁₆ " (208mm)	7 ⁷ / ₈ " (22.2mm)	4 ⁵ / ₈ " (118mm)	9 ³ / ₄ " (248mm)	2 ³ / ₈ " (60.3mm)	7 ¹ / ₂ " (190mm)
4&5	9 ¹ / ₁₆ " (230mm)	1" (25.4mm)	7 ¹⁵ / ₁₆ " (176mm)	8 ⁵ / ₈ " (219mm)	6 ⁷ / ₁₆ " (164mm)	8 ¹ / ₈ " (181mm)

Top Jamb Installation

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



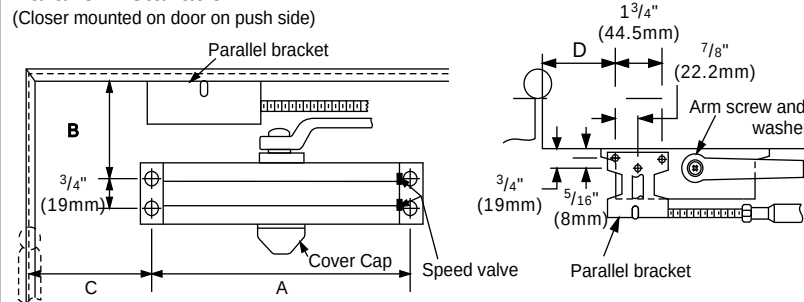
Same dimensions apply to Right Hand Doors.

Measurements B & C start from the edge of the door.

Closer size	A	B	FOR OPENING TO 120 °		FOR OPENING TO 180 °	
			C	D	C	D
1	5 ⁷ / ₁₆ " (138mm)	1 ⁵ / ₈ " (41.3mm)	5 ⁷ / ₈ " (149mm)	9 ¹ / ₂ " (241mm)	4 ¹ / ₈ " (105mm)	7 ³ / ₄ " (197mm)
2	7 ³ / ₈ " (187mm)	1 ¹ / ₂ " (38.1mm)	5" (127mm)	9 ¹ / ₂ " (241mm)	3 ¹ / ₄ " (82.6mm)	7 ³ / ₄ " (197mm)
3	8 ³ / ₁₆ " (208mm)	1 ¹ / ₂ " (38.1mm)	4 ³ / ₈ " (111mm)	9 ¹ / ₂ " (241mm)	2 ⁵ / ₈ " (66.7mm)	7 ³ / ₄ " (197mm)
4&5	9 ¹ / ₁₆ " (230mm)	1 ⁵ / ₈ " (41mm)	5 ⁷ / ₈ " (149mm)	12 ¹ / ₁₆ " (306mm)	3 ¹ / ₄ " (82.5mm)	8 ⁷ / ₈ " (225mm)

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	B	FOR OPENING TO 120 °		FOR OPENING TO 180 °	
			C	D	C	D
1	5 ⁷ / ₁₆ " (138mm)	2 ⁵ / ₈ " (66mm)	7 ³ / ₈ " (187mm)	7 ¹ / ₄ " (184mm)	5 ⁷ / ₈ " (149mm)	5 ³ / ₄ " (146mm)
2	7 ³ / ₈ " (187mm)	2 ³ / ₄ " (70mm)	6 ⁷ / ₈ " (175mm)	7 ¹ / ₄ " (184mm)	5 ³ / ₈ " (137mm)	5 ³ / ₄ " (146mm)
3	8 ³ / ₁₆ " (208mm)	2 ³ / ₄ " (70mm)	6 ¹ / ₂ " (165mm)	7 ¹ / ₄ " (184mm)	5" (127mm)	5 ³ / ₄ " (146mm)
4&5	9 ¹ / ₁₆ " (230mm)	2 ⁷ / ₈ " (73mm)	5 ¹³ / ₁₆ " (148mm)	12" (305mm)	4 ¹ / ₈ " (105mm)	10 ⁵ / ₁₆ " (262mm)

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

Three years warranty from delivery.