



51 SERIES DOOR CLOSER

FEATURES

- ◆ Hydraulic door closer
- ◆ 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 wooden doors
- ◆ Adjustable closing speed from $180^{\circ} \sim 15^{\circ}$ by turning the adjusting valve 1
- ◆ Adjustable latching speed from $15^{\circ} \sim 0^{\circ}$ by turning the adjusting valve 2
- ◆ Standard BACK CHECK.



SELECTION CHART

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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		
51	800	700	600	0.7	800	700	600	0.7	15~30
51-02	900	800	700	1.0	900	800	700	1.0	24~45
51-03	1050	900	800	1.7	950	900	800	1.7	40~65
51-04	1200	1050	900	2.7	1050	950	900	2.7	60~85

ADJUSTMENT

- (1) Individual two speed adjusting valves for adjust both closing speed from $180^{\circ} \sim 15^{\circ}$ and $15^{\circ} \sim 0^{\circ}$.
- (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° .

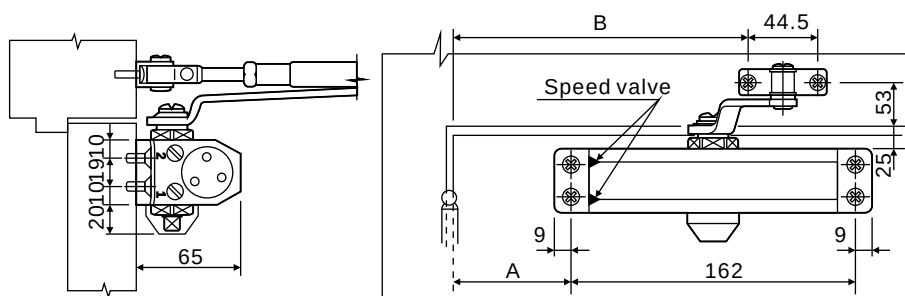


Fig. A

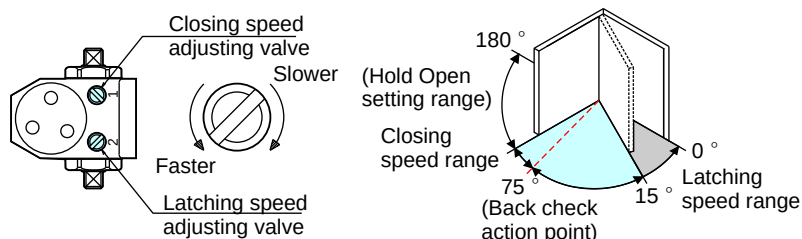


Fig. B



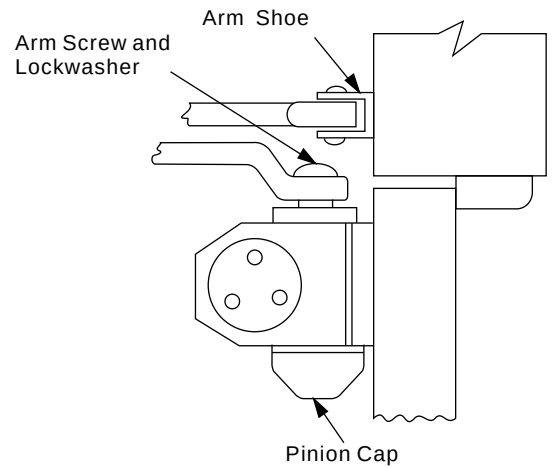
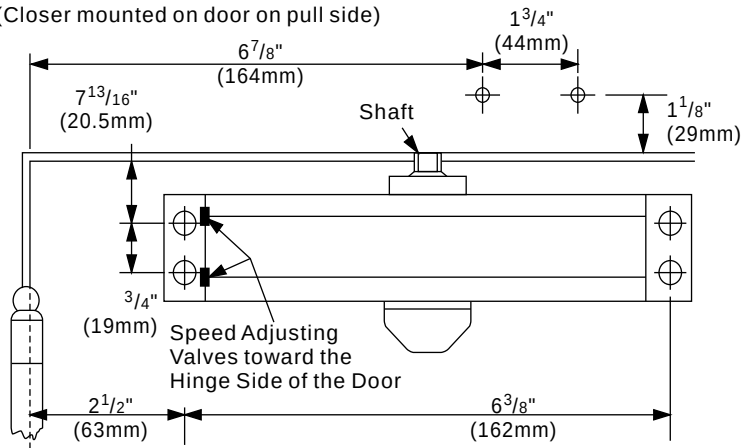
HENG KUO CO., LTD. - (TAIWAN)
KUNSHAN HENG KUO MACHINERY CO., LTD

TAIWAN PLANT : No136, Ren De 5, Ta-Shi, Tao Yuan Hsien, Taiwan R.O.C.
TEL : 886-3-380-2101 FAX : 886-3-380-2123
CHINA PLANT : No.388 Lu Chen Road Kun Shan City CHINA
TEL : 86-512-861-86625 FAX : 86-512-575-70392

Installation instructions (for 180° opening)

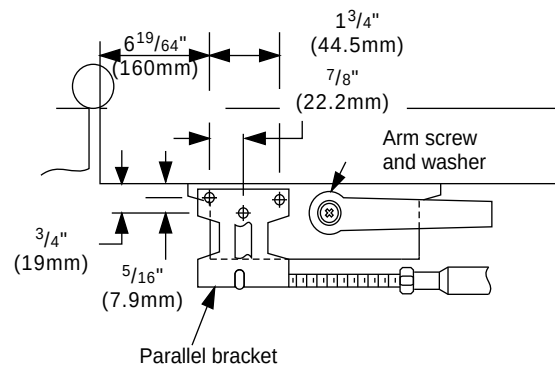
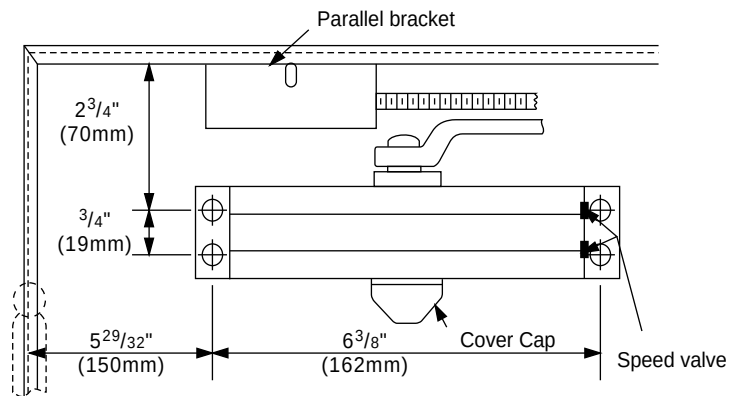
STANDARD INSTALLATION

(Closer mounted on door on pull side)



PARALLEL INSTALLATION

(Closer mounted on door on push side)



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

Three years warranty from delivery.