

armor

TS 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 application for standard, top jamb, or parallel arm installation (Optional parallel bracket)

Suitable for both metal and wooden doors

Adjustable closing speed from 180° ~15° by turning the adjusting valve 1

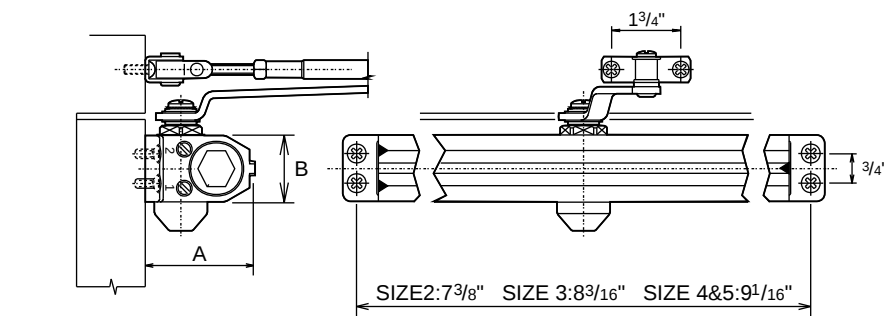
Adjustable latching speed from 15° ~0° by turning the adjusting valve 2

Standard adjustable BACK CHECK.

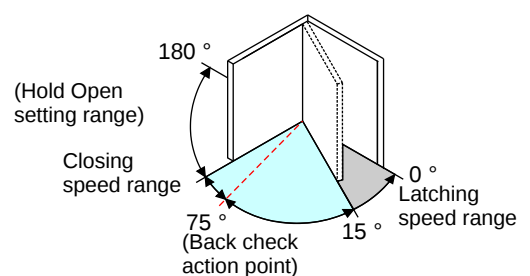
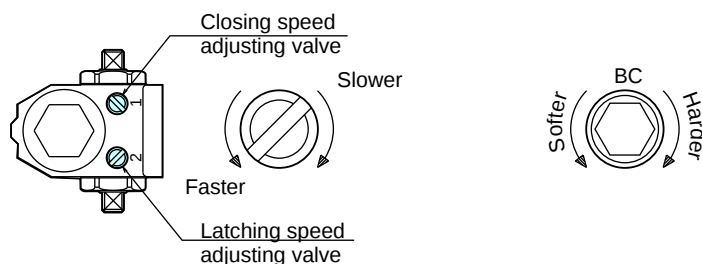


SELECTION CHART

SIZE No .	STANDARD / TOP JAMB INSTALLATION				PARALLEL INSTALLATION				Door weight (Kgs)
	Interior door width (mm)	Exterior door width(mm)		Closing force (Kgf.m)	Interior door width (mm)	Exterior door width(mm)		Closing force (Kgf.m)	
		Swing out	Swing in			Swing out	Swing in		
TS 82	900	800	700	3	800	700	600	3	44~88
TS 83	1050	900	800	5	900	800	700	5	88~132
TS 84	1200	1050	900	8	1050	900	800	8	132~176
TS 85	1350	1200	1050	11	1200	1050	900	11	176~220



MODEL	A	B
TS 82	2 17/20"	1 3/4"
TS 83	2 17/20"	1 3/4"
TS 84	2 17/20"	1 3/4"
TS 85	2 17/20"	1 3/4"



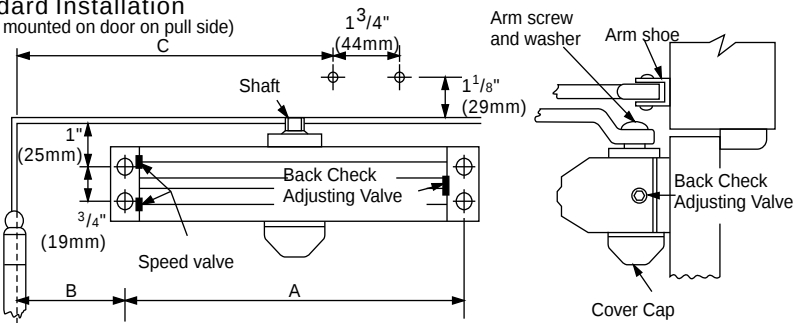
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Installation instructions

Standard Installation

(Closer mounted on door on pull side)

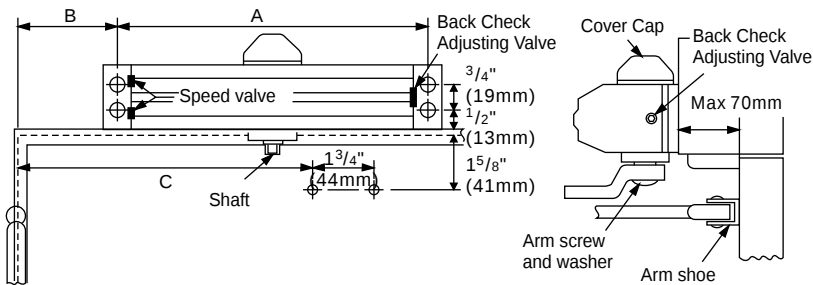


Same dimensions apply to Left Hand Doors.
Measurements B & C start from the edge of the door.

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)

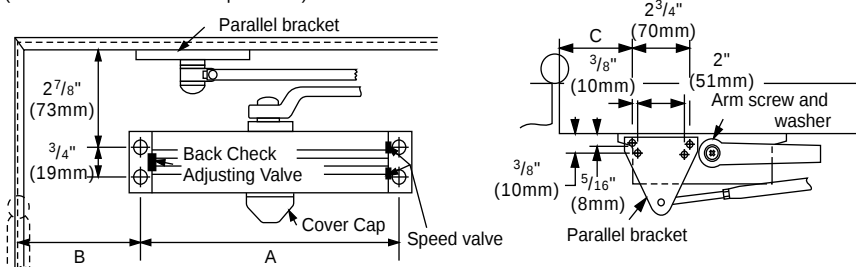


Same dimensions apply to Right Hand Doors.
Measurements B & C start from the edge of the door.

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.