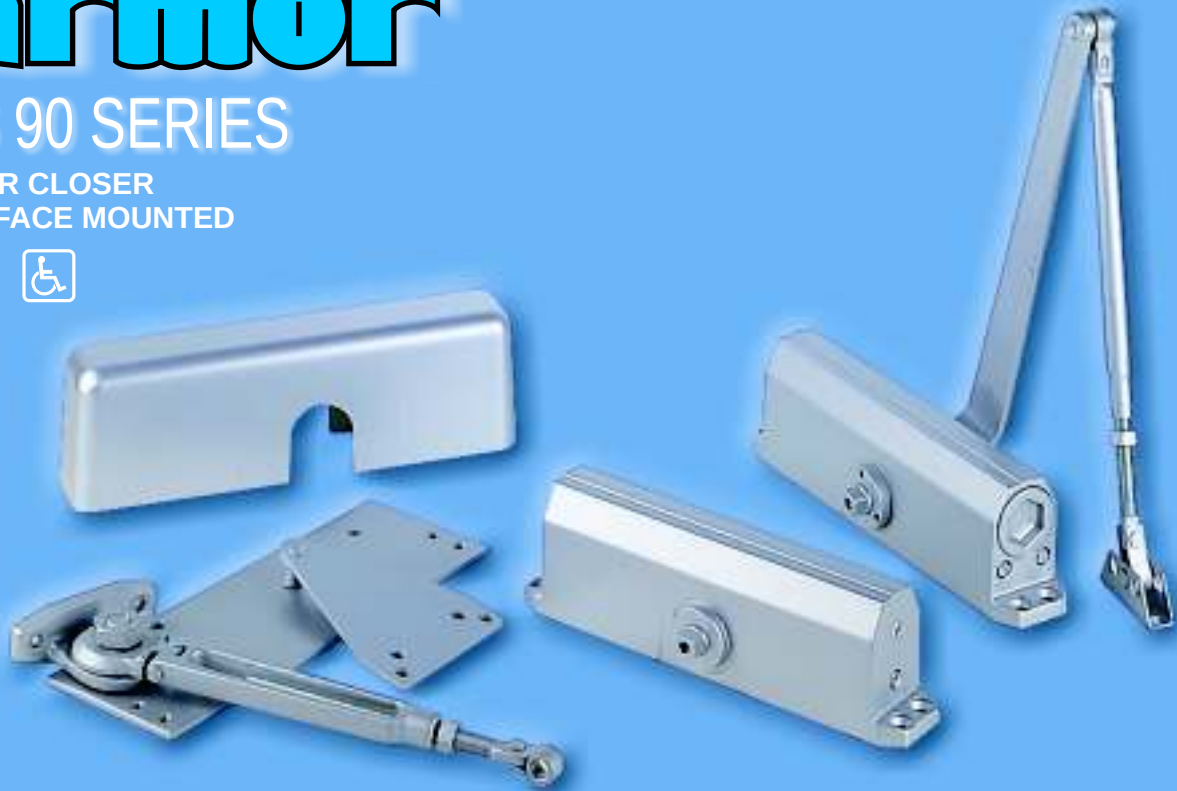


armor

TS 90 SERIES

DOOR CLOSER
SURFACE MOUNTED



Features

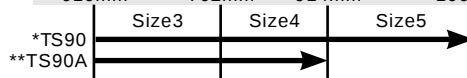
- Surface mounted hydraulic door closer
- Multi-size power for size 1 to 4 or size 2 to 5
- Hardened steel rack and pinion mechanism
- Alloy aluminum body
- Universal application and non-handed installation
- Adjustable closings speed 180° - 15° and latching speed 15° - 0°
- Parallel bracket is included
- Suitable for both metal and wooden door
- Adjustable Back-Check function standard
- Optional plastic cover
- Barrier free function standard (size 1~4 only)
- Finishes: Aluminum, Dark Bronze, Gold Brass

Arrows → Indicate recommended ranges of door width for different closer sizes

* : Adjustable Size 2 thru 5
** : Adjustable Size 1 thru 4

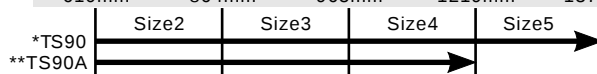
EXTERIOR DOOR WIDTH

24"	30"	36"	42"
610mm	762mm	914mm	1067mm



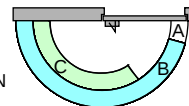
INTERIOR DOOR WIDTH

24"	34"	38"	48"	54"
610mm	864mm	965mm	1219mm	1372mm



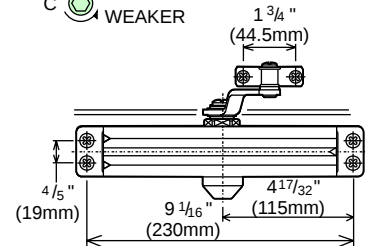
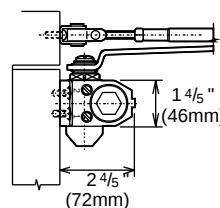
Minimum Door Width: 24" (610mm)

- A LATCHING RANGE
- B CLOSING RANGE
- C BACK CHECK REACTION



- A SLOWER
- B FASTER
- C STRONGER

- SPRING POWER
- WEAKER
- STRONGER

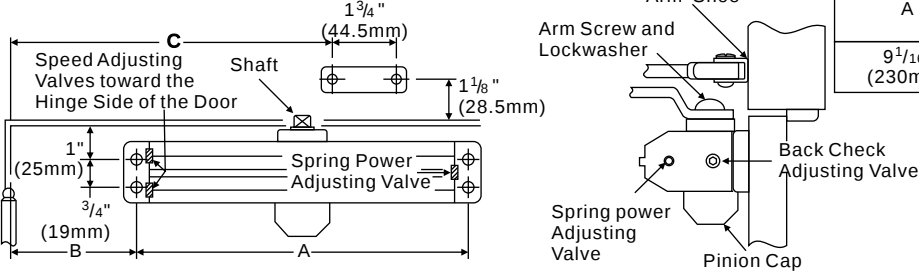


HENG KUO CO., LTD. - (TAIWAN)
KUNSHAN HENG KUO MACHINERY CO., LTD

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

STANDARD INSTALLATION

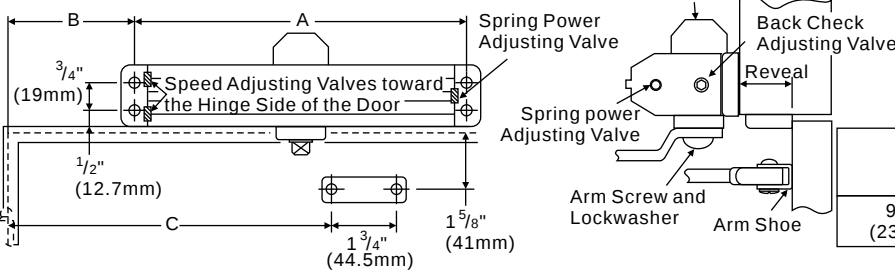
Right hand door illustrated. Same dimensions apply to left hand doors
Measurements B & C start from the edge of the door.



A	FOR OPENING TO 120 °		FOR OPENING 120 °~180 °	
	B	C	B	C
9 1/16" (230mm)	5 1/2" (140mm)	12" (305mm)	4 1/16" (103mm)	10" (254mm)

TOP JAMB INSTALLATION

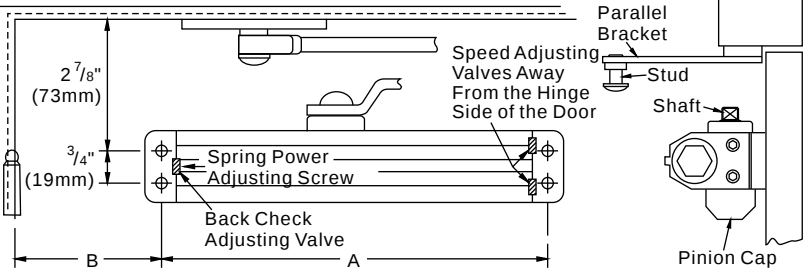
Left hand door illustrated. Same dimensions apply to right hand doors
Measurements B & C start from the edge of the door.



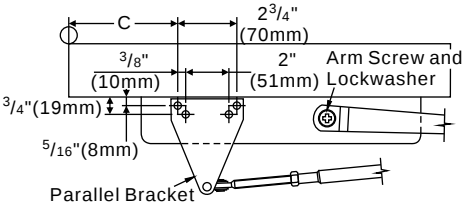
A	FOR OPENING TO 120 °		FOR OPENING 120 °~180 °	
	B	C	B	C
9 1/16" (230mm)	5 5/8" (143mm)	11 3/4" (298mm)	3 7/16" (87mm)	8 3/4" (222mm)

PARALLEL ARM INSTALLATION

Left hand door illustrated. Same dimensions apply to right hand doors
Measurements B & C start from the edge of the door.



A	FOR OPENING TO 120 °		FOR OPENING 120 °~180 °	
	B	C	B	C
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.