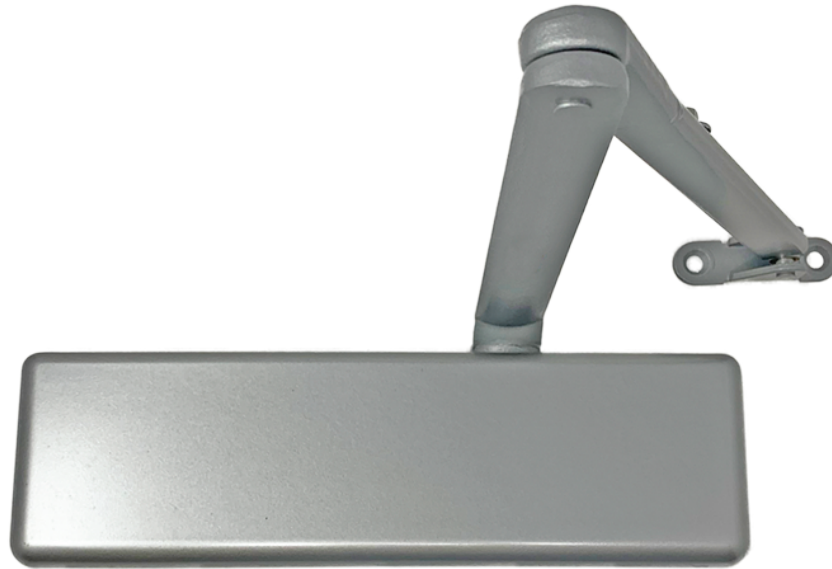


GRADE 1 HEAVY DUTY COMMERCIAL DOOR CLOSER



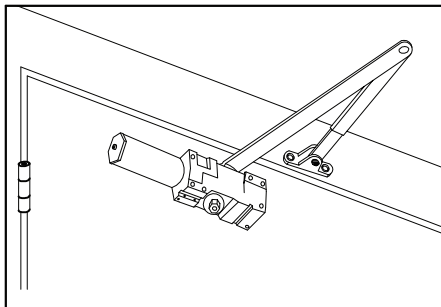
With Cover



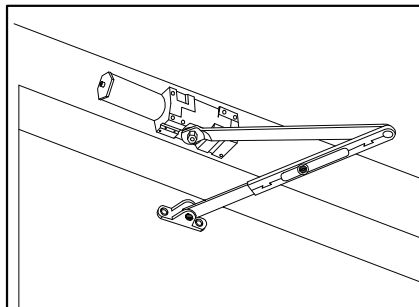
SPECIFICATIONS

- **Certification:**
 - ANSI/BHMA A 156.4 Grade 1
 - UL/CUL Listed
 - UL 10C 3 hours fire rating
- **Materials of Closer body:** Cast iron
- **Materials of Closer arm:** Forged steel for high traffic
- **Handing:** Non handed
- **Cover:** Full plastic cover included
- **Adjustment:**
 - Spring power size adjustable 1-6
 - Adjustable Backcheck
 - Adjustable sweep speed
 - Adjustable latching speed
 - Adjustable delayed action
- **Rack and Pinion:** Double Heat treated
- **Bearings:** Full needle bearing for high efficiency
- **Fluid:** Anti-Freeze and fire-proof
- **Screws:** Standard packing, sex nuts included
- **Finish:** Aluminum
- **Installation type:** Tri-packed (regular arm, top jamb and Parallel arm mounting)
- **Limited Warranty:** 5 years

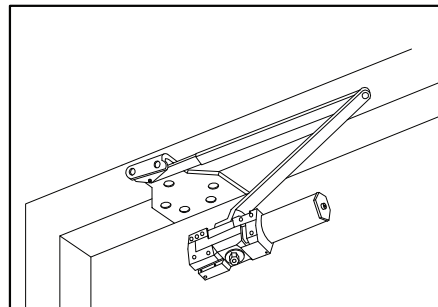
STANDARD MOUNT
(PULL SIDE)



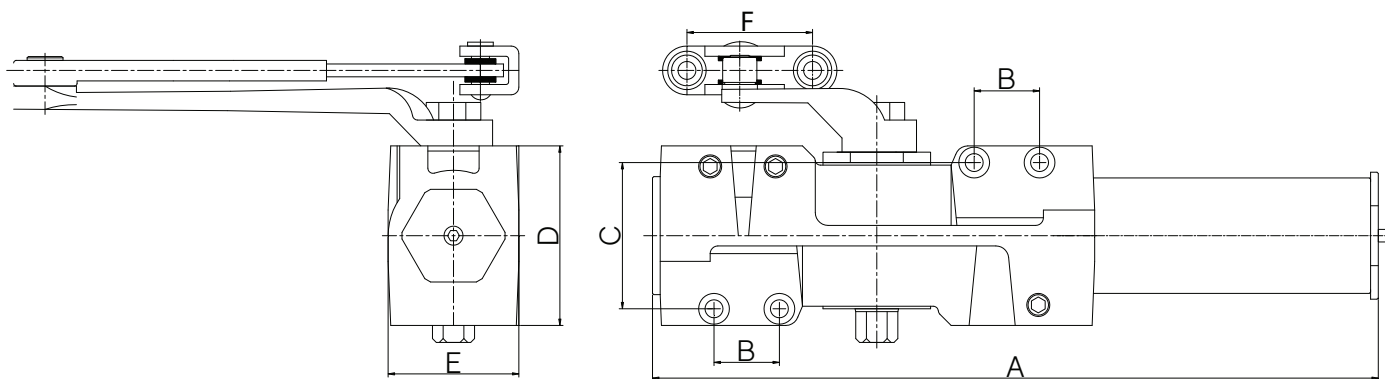
TOP JAMB MOUNT
(PUSH SIDE)



PARALLEL MOUNT
(PUSH SIDE)



TECHNICAL DIMENSIONS



Description	Dimensions
A. Length of Closer Body	11" (280 mm)
B. Horizontal Mounting Holes	1" (25.4 mm)
C. Vertical Mounting Holes	2-1/4" (57 mm)
D. Closer Body Height	2-3/4" (70 mm)
E. Projection from Door	2" (51mm)
F. Arm Shoes Spacing	1-15/16" (49.2 mm)

Maximum Size of Door							
Regular & Top Jamb				Parallel Arm			
Closer Size	Interior	Exterior Inswing	Exterior Outswing	Closer Size	Interior	Exterior Outswing	Applicable Door Weight Lbs (Kg)
1	28"(0.71m)	N/A	N/A	1	N/A	N/A	33-66 (15-30)
2	36"(0.91m)	N/A	N/A	2	30"(0.76m)	N/A	66-99 (30-45)
3	42"(1.07m)	30"(0.76m)	36"(0.91m)	3	36"(0.91m)	30"(0.76m)	99-143 (45-65)
4	48"(1.22m)	36"(0.91m)	42"(1.07m)	4	42"(1.07m)	36"(0.91m)	143-187 (65-85)
5	54"(1.37m)	42"(1.07m)	48"(1.22m)	5	48"(1.22m)	42"(1.07m)	187-264 (85-120)
6	54"(1.37m)	42"(1.07m)	48"(1.22m)	5	48"(1.22m)	42"(1.07m)	187-264 (85-120)

HOW TO ORDER

KROM-910DA689

The diagram illustrates the components of the product code KROM-910DA689:

- KROME**: The brand name, indicated by a line from the 'KROM' part of the code.
- Grade 1 Door Closer**: Indicated by a line from the '91' part of the code.
- Size**: Indicated by a line from the '0' part of the code.
- Function**: Indicated by a line from the 'DA' part of the code.
- Finish**: Indicated by a line from the '689' part of the code.

Item Number	Size	Function	Finish
91	Adjustable 1-6 (0)	Delayed Action (DA)	Aluminum (689)
Note: Tri-packed, with backcheck and delayed action			