




### INTRODUCTION

The 160 Series door closer, is ideal for stocking distributors serving high volume after-market and storefront segments. The 160 Series features an adjustable spring, non-hold open arms and independent and separate latch, sweep and backcheck intensity valves. With easy installation and maintenance and dependable control, the 160 Series is perfect for office doors, utility doors and strip mall applications.

### FEATURES

- Two models:
  - 161BF: adjustable spring size 1 through 4
  - 164: size 4 spring
- Door weight: 250 lbs.
- Non-handed
- Cast aluminum body
- Rack-and-pinion design
- Independent latch sweep and backcheck intensity valves
- Non-hold open arms: 161BF, 164
- Hold open arms: 161BF only
- Closer footprint: 3/4" x 9-1/16"
- Closer projection: 2-5/8"
- Available in 689 (aluminum) or 690 (dark bronze) finishes
- 5-year limited warranty

### CERTIFICATIONS

- ANSI/BHMA A156.4, Grade 1 
- Americans with Disabilities Act (ADA) Compliant 
- UL10C positive pressure
- UL-cUL Fire-Rated Up to 3 Hours 

### CAUTION: Door Closers for Low Opening Force Applications:

Door closers installed in openings required to meet the requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door based on opening or site conditions.



# 160 SERIES

## LIGHT COMMERCIAL DOOR CLOSER

### APPLICATIONS



TPN arm shown (regular mounting)

- Pull-side application
- Closer mounted on the door



TPN arm shown (top jamb mounting)

- Push-side application
- Closer mounted on the frame
- Minimum top rail = 2-1/4" (57mm)
- Maximum frame reveal = 2-3/4" (70mm)



TPN arm shown (parallel mounting)

- Push-side application
- Closer mounted on the door

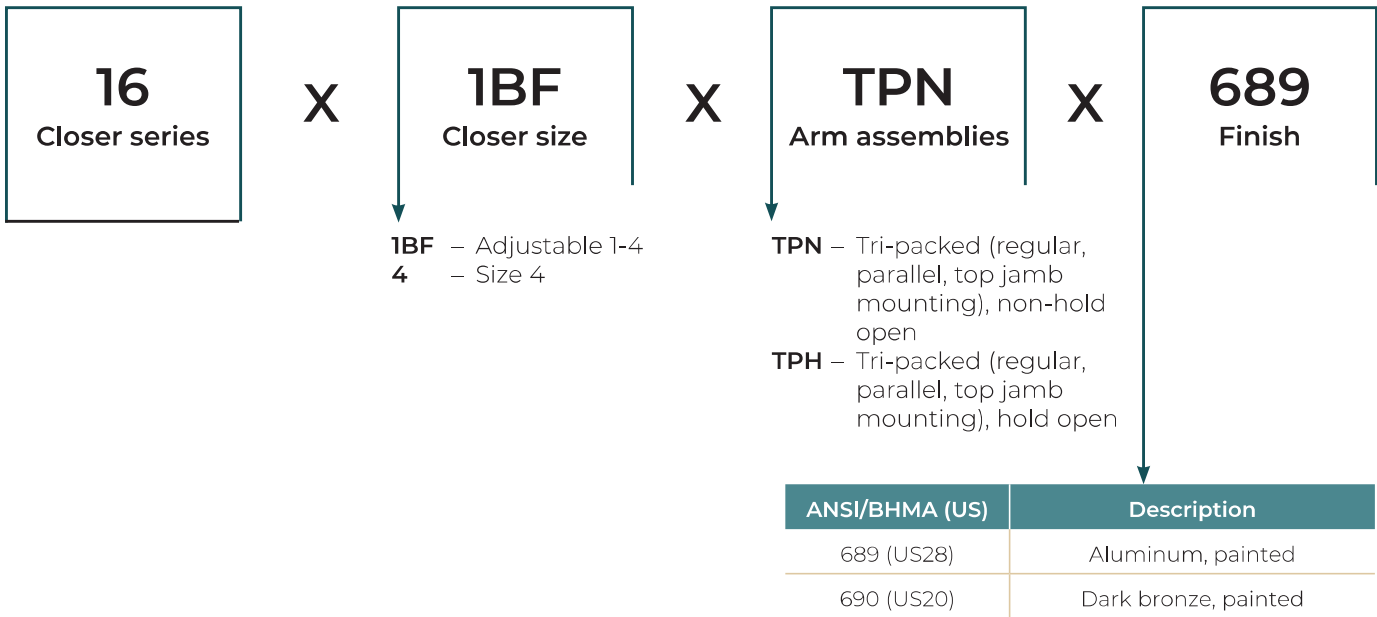
NOTE: Arms are not interchangeable with Norton Rixson premium door closers.

### COVER



To order cover only, specify 160P x finish. (Only available with model 161BF closer.)

### HOW TO ORDER



Model #	Suffix	Non-Hold Open	Hold Open	Adjustable Spring 1-4	Size 4 Spring	Adjustable Slide Arm	Tri-Packed (RA, TJ, PA)	Sex Nuts Included
161BF	TPN	.		.		.	.	.
	TPH		.	.		.	.	.
164	TPN	.			.	.	.	.

Note: Specify 161BFxOP2 to order the 161BF closer packed with a cover.

#### NOTES:

- Before installing a door closer, verify the accessibility, fire, and life-safety requirements that are in effect. This includes the mounting height and projection into the clear opening. Check the adopted state and local building codes and consult the Authority Having Jurisdiction (AHJ)
- To maintain the warranty and ensure proper operation of the product, follow the installation instructions & templates and install on the inside of the building.
- Consult NFPA 80 for the hinge requirements on a fire door.
- Failure to use fasteners supplied with closer may void factory warranty.
- Optional fasteners are available for a variety of applications. Consult the door and frame manufacturer to ensure the proper fasteners are used to maintain certifications.
- Sizing charts are based on 1-3/4" x 7' standard weight doors swinging to 110°. Other application conditions (e.g. larger door heights or weight) may require larger size closer. Adjusting the spring power to meet the low opening force requirements of the Americans With Disabilities Act or ANSI/BHMA Standard A117.1, may not provide adequate closing power to dependably close and latch the door in some conditions (i.e. air movement from wind gusts or building stack pressure).