

1700 SERIES

Light Commercial Door Closer



Norton®
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

OVERVIEW

Norton® 1700 Series Door Closers are multi-feature closers whose compact design is ideal for application on interior doors. This narrow-stile closer has distinctive lines that harmonize with most decors. It is available with a full cover to provide an installation with compatible appearance to other door closers with covers. The Norton 1700 Series Door Closer offers an economical alternative for those installations where a more heavy-duty closer is not necessary.

Standard Features

- Tri-Style® packaging: closer tri-packed for regular arm, top jamb or parallel arm installation.
- Non-handed
- Aluminum alloy shell
- Rack & pinion operation
- Adjustable closing speed
- Adjustable latch speed
- Non-hold open

Optional Features

- Adjustable backcheck cushioning: independent regulating valve; order 1700BC series.
- Full molded cover: order 1700COV/1700BCCOV.
- Hold open: order 1700H/1700BCH

SPRAYED FINISHES

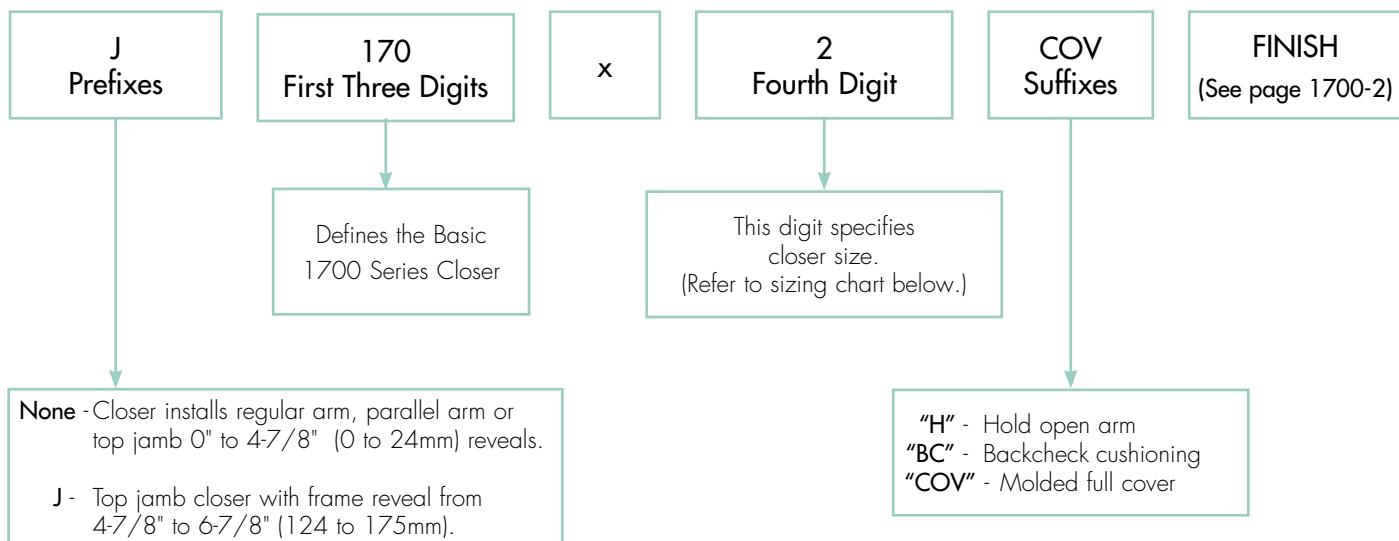
Description	Specify Norton (BHMA) Designation	Complements the following finishes	Old Norton Designation
Aluminum	689	628, 625, 629, 630, 651, 652	AL
Statuary Bronze	690	640, 613	STAT
Dull Bronze	691	612, 637, 639	DB
Black	693	315	315
Medium Amber	694	312	312
Gold	696	605, 606, 632, 633	GB
Prime Coat*	600		SRI

*600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat (ex: 1704 x 600 x 689).

TABLE OF CONTENTS

How To Order	3
Suggested Specifications	3
Compliance Standards	3
Sizing Chart	3
Accessories	4
Regular Arm Installation	5
Top Jamb Installation	6
Parallel Arm Installation	7

GLOSSARY OF TERMS



Fasteners

Through-bolts, grommet nuts and sex nuts are available to special order.

Suggested Specifications

Closers for interior doors shall be full rack-and-pinion type with cast aluminum alloy shell. Closer shall be non-handed to permit installation on either hand of door. Closer to be supplied with brackets to allow regular arm, parallel arm or top jamb mounting. Closer to have non-critical valves to independently regulate sweep speed (and) latch speed (and backcheck cushioning.) The forearm bracket shall permit a 15% power adjustment by rotating the forearm and bracket 180° at the door or frame. (Closer shall be enclosed in a molded full cover.) Closer to be Norton 1700/1700BC Series, 1700COV/1700BCCOV Series.

Compliance Standards

All series 1700 comply with ANSI/BHMA A156.4 Grade 2 specification.   All Norton series 1700 closers with non-hold open arms are listed by Underwriters' Laboratories for labeled fire doors. This includes compliance to UL10C for 3-hour assemblies. The product is manufactured in an ISO 9001 facility.

SIZING CHART

Model Number		Interior Doors: Maximum Size Wood or Metal (cm)		
		Type of Installation		
Non-Hold Open	Hold Open	Regular Arm	Parallel Arm	Top Jamb
1701(BC)	1701(BC)H	The 1701 closer (size 1) is intended for use on doors with a minimum clear opening width of 2'8" (81cm) to provide less than 5.0 lbs. (22.2N) of door opening resistance.		
1702(BC)	1702(BC)H	30" (76)	30" (76)	30" (76)
1703(BC)	1703(BC)H	36" (91)	32" (81)	36" (91)
1704(BC)	1704(BC)H	42" (107)	36" (91)	42" (107)

Door width information is based on 1-3/4" (44mm) x 7" (2.13m) standard weight doors swinging 110°. Other conditions (such as door height, weight, or draft conditions) may require a larger size closer.

Note: Contact factory if door weight exceeds 250 lbs.

ACCESSORIES

Part Number	Description
1700-1	Arm Assembly - Non-Hold Open
1700-3	Arm Assembly - Hold Open
17P	Cover
1739	Pinion Cap
1788	Parallel Arm Adapter Plate (Hold Open)
1789	Parallel Arm Bracket
170XBCLAP	Closer Body*

* X = specify closer size

Door Plates

For narrow top rails, narrow frame faces, and top jamb hold open installations. Plates vary in size when the closer is ordered with or without a full molded cover. Order drop plates from the chart. Specify finish when ordering separately.

Type Of Installation	Drop Plate Model Number	
	Without Cover	With Cover
Regular Arm	1746	1756
Top Jamb	1746	1757
Parallel Arm	1748	1758

For drop plate requirements, see Dimensional Information pages 5-7.

Molded Full Cover

Molded of high-impact U.L. Listed material for completely enclosing the closer body, mounting screws and the unused pinion shaft. This cover is non-handed. It has two notches; one for clearance of the pinion shaft. An insert is included for insertion into the unused notch. Four molded catches engage the closer body for easy yet secure installation. To order this cover separately, specify 17P x finish.

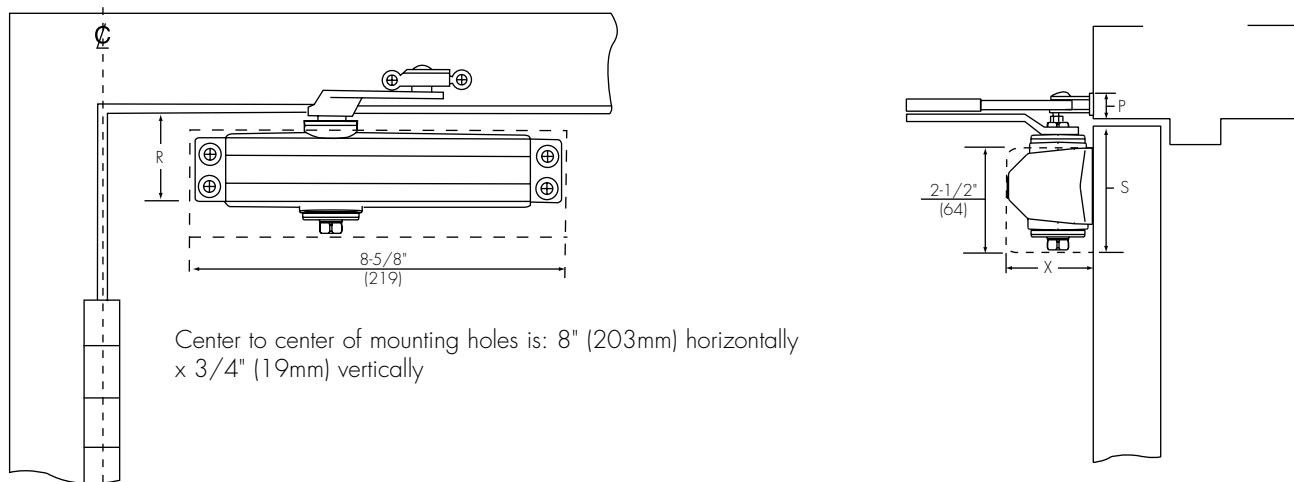
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REGULAR ARM INSTALLATION

Closer mounts on door;
Arm bracket on frame face.

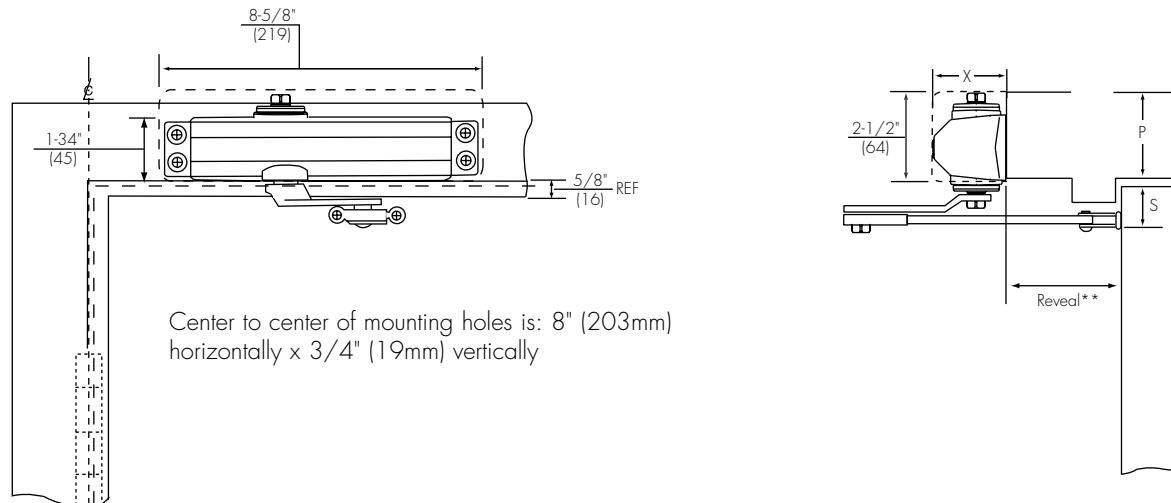


R Minimum Top Rail				S Minimum Top Rail Clearance		P Minimum Ceiling Clearance Without Drop Plate		X Closer Projection	
Without Drop Plate		With 1746/1756 Drop Plate		Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Without Cover	With Cover
Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	1-15/16" (49)	2-1/16" (52)
2" (51)		1-1/4" (32)		3" (76)	2-7/8" (73)	1" (25)	1-3/8" (35)		

Sizes based upon door 7'0" (2.13m) x 1-3/4" (44mm)

TOP JAMB INSTALLATION

Closer mounts on push side of frame; arm shoe mounts to door.



S Minimum Top Rail Clearance			P Minimum Ceiling Clearance				X Closer Projection	
Without Drop Plate	With 1746/1757 Drop Plate		Without Drop Plate	With 1746/1757 Drop Plate				
Non-Hold Open	Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Without Cover	With Cover
1-1/4" (32)	2-1/4" (57)	2-5/8" (67)	2-1/2" (64)	N/A***	1-3/4" (44)	1-15/16" (49)	2-1/16" (52)	

Sizes based upon door 7'0" (2.13m) x 1-3/4" (44mm)

**Reveal Information

The standard 1700 Series non-hold open closers and 1700H Series hold open closers (Top Jamb mount) accommodate frame reveals for 0" to 4-7/8" (0 to 124mm).

J1700 Series non-hold open closers and J1700H Series hold open closers accommodate frame reveals from 4-7/8" to 6-7/8" (124 to 175mm). These closers are not supplied with "Tri-Style® installation" hardware.

***Use of hold open arm requires use of a drop plate.

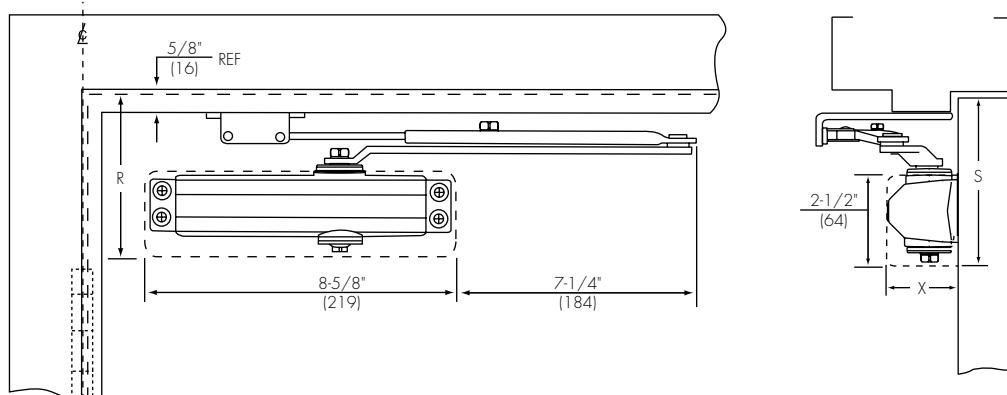
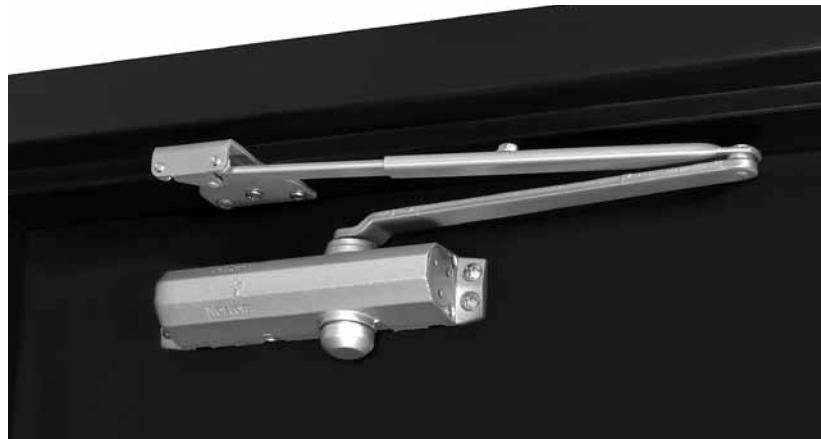
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PARALLEL ARM INSTALLATION

Closer Mounts on Door;
Bracket on frame soffit.



Center to center of mounting holes is: 8" (203mm)
horizontally x 3/4" (19mm) vertically

R Minimum Top Rail				S Minimum Top Rail Clearance		X Closer Projection	
Without Drop Plate		With 1748/1758 Drop Plate		Non-Hold Open	Hold Open	Without Cover	With Cover
Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Non-Hold Open	Hold Open	Without Cover	With Cover
4" (102)	4-1/4" (108)		2-1/4" (57)	4-3/4" (121)	5" (127)	1-15/16" (49)	2-1/16" (52)

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For a complete listing of products and
applications please visit our web site.
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