

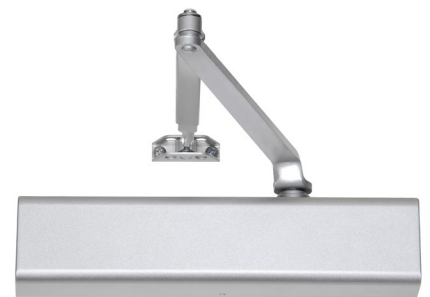


ARCHITECTURAL DOOR CLOSERS

Architectural door closers offer the ideal combination of a clean appearance, reliability and durability. With many options available on the market today, it is important to understand the value and difference between Norton's 8000 and 210 Series door closers.



8000 SERIES



210 SERIES

Norton[®]

ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

www.NortonDoorControls.com

FEATURES & BENEFITS

FEATURE	BENEFIT	8000 SERIES	210 Series
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Listings and Approvals

ANSI A156.4 Grade 1	Meets or exceeds ANSI standards.	Yes	Yes
UL listed	Listed for use on fire-rated doors.	Yes	Yes
Extended Cycle Testing beyond ANSI Grade 1	Confirms durability and longer service life. ANSI requires 1.5m cycles.	25 Million	1.5 Million

Product Design

High performance casting alloys	Specially selected alloys provide increased strength, reduce wear and are dimensionally stable for a range of climatic conditions.	304 Alloy	Standard Alloy
Steel pistons	Specially selected to increase strength, reduce wear and extend service life.	Carbon Steel	Mild Steel
Pinion to arm attachment	Critical to maintain reliability under abusive conditions.	Precision Machined	Standard
Rack and pinion design	High strength design with increased rack and pinion engagement. Smooth load transfer increases reliability and service life.	13 Teeth	12 Teeth
Special applications support	Products customized for 'out of ordinary' applications.	Yes	No
Limited warranty period	Quality Norton door closers.	25 year	10 year

Product Configuration

Multi-size spring	Provide maximum flexibility to meet site conditions.	Size 1 thru 6	Size 1 thru 6
Regular, hold open, heavy duty and special application arms	Full range to meet typical North American architectural functions and mounting conditions.	Full range	Limited and series specific
Delayed Action option	Provides additional time to move through the doorway.	Yes	No
Finish options (sprayed, powder coat, plated)	Range of choices to complement building décor.	Yes	689, 690 only
Full, slim line and metal covers available	Full line offering for specific application needs.	Yes	Full cover only
Adapter plates, mounting plates and brackets	Maybe required to meet site specific conditions.	Full range	Limited

Cross Reference Guide

Norton	LCN	Dorma	PDQ	Cal Royal	Stanley	Falcon	Hager
8501	1460-72FC	8600	-	-	-	-	-
8301	1460-72	8600	-	-	-	-	-
210	1450	-	5100	900/800	DC1610	SC80	5200

NOTE: No products are exactly alike. This cross reference represents our judgment of products that are most similar. Information has been obtained from trade sources. It is not represented nor guaranteed that any product exactly equals any other products.

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ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

Since 1880, Norton door controls have been an integral part of schools, hospitals and businesses around the globe. When you need products and people that perform at the highest level, rely on Norton – From Open to Close.

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