

**Division 8100
Doors, Frames and Hardware**

**Kelly Brothers
87 Holly Court
Williston, VT 05495**

Harry Black

Tel: 802-865-5133 Fax: 802-865-7833

Information Includes:

**Warranty- Wood Doors
Warranty- Metal Doors
Warranty-Hardware
Warranty- Closers**

McKINNEY Hinge Catalog

Full Mortise Bearing Hinges

Five Knuckle Standard Weight Series

McKINNEY

1-800-346-7707

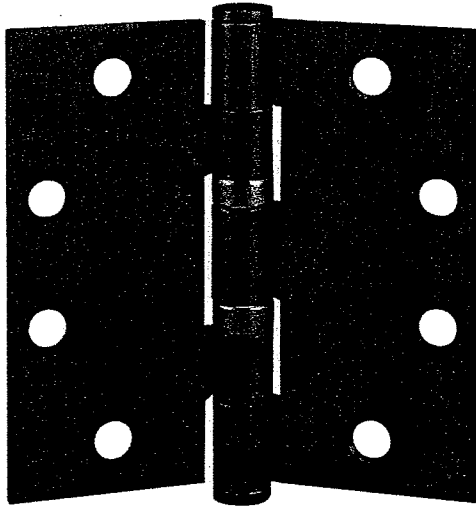
www.mckinneyhinge.com

TA2314

Stainless steel base or available in brass or bronze base material polished and plated or furnished in prime or powder coat.

TA2714

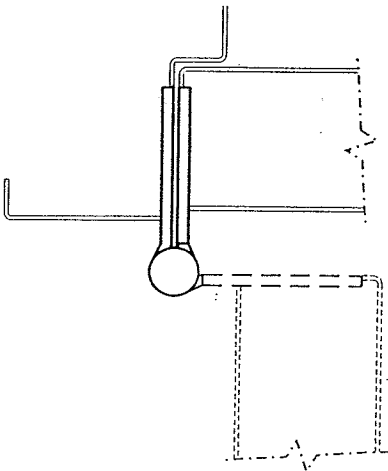
Steel base polished and plated or furnished in prime or powder coat finish.



Available Options:

- NRP (non-removable pin)
- TB (ball bearing)
- TCA (concealed bearing)
- RC (round corner - 1/4" radius furnished unless specified otherwise)
- HT (hospital tip)
- BT (ball tip)
- ST (steeple tip)
- SSF (safety stud feature)
- QC (quick connect hinge) 2, 4, 6, 8, 10 or 12 wire available
- CC (concealed circuit) 4, 6 or 8 wire available*
- CS- (concealed switch - handing required)*
- MM (magnetic monitoring)
- "S" (sheradizing, our additional rust resistant base under prime coat on steel base)
- Slip In (Type 1 or Type 2)
- Beveled Edge (where doors are beveled on hinge side specify TA4314 or TA4714)

APPLICATION



Available Sizes

Inches	NM	Gauge
3 1/2 x 3 1/2	10116-10156	.123
4 x 4	10116-10156	.130
4 1/2 x 4	10116-10156	.134
4 1/2 x 4 1/2	10116-10156	.134
5 x 4 1/2	10116-10156	.146
5 x 5	10116-10156	.146
6 x 6*	15214-15214	.160

*Not available in Stainless

* Not available in Stainless

Packing:

All standard weight full mortise non-ferrous hinges are packed with all machine x 1/2 wood screws. Steel hinges (except USP) are packed all machine x all wood screws. For special screws consult price book on availability.

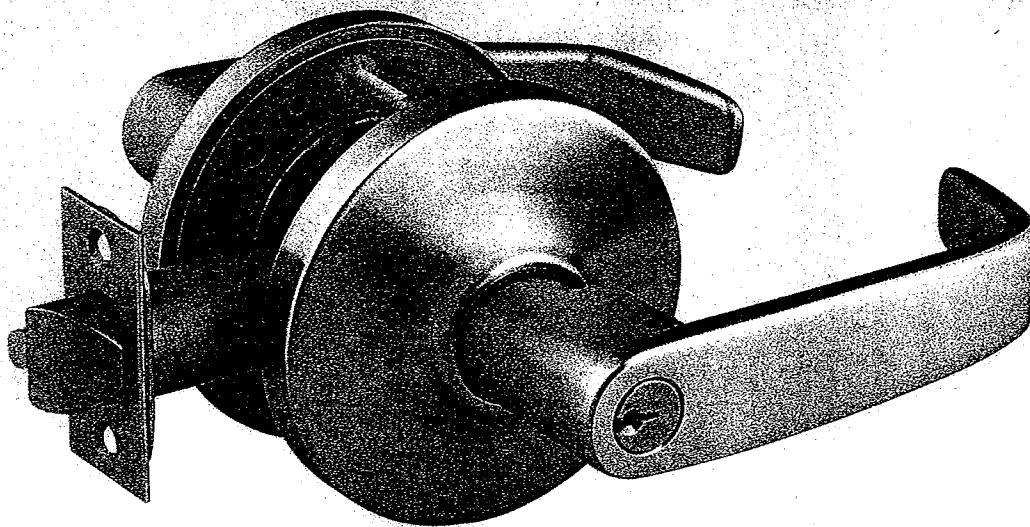
ANSI Cross Reference:

A2112 Brass, Bronze
 A5112 Stainless
 A8112 Steel

Recommended for standard weight, medium frequency doors, or doors with closing devices.

SARGENT[®]

10 LINE
CYLINDRICAL
LEVER LOCKS



10 Line Lever Lock Specifications



SARGENT
1-800-727-5477
www.sargentlock.com

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Specifications

For Doors	1-3/4" (44mm) thick door adjusts to 2" (51mm) standard 1-3/8" (35mm) thick door, 1- Prefix for Adapter plates
Backsets	2-3/4" (70mm) standard 2-3/8" (60mm) backset w/ 1" wide front (specify 20-) 5" (127mm) backset (specify 25-)
Cylindrical Housing	Steel, zinc dichromate finish
Front	Wrought brass, bronze and stainless steel 2-1/4" (57mm) x 1-1/8" (29mm) Fixed Bevel 2-1/4" (57mm) x 1" (25mm) (included with 20-)
Strike	Wrought brass, bronze and stainless steel 800 curved lip strike – standard 808 curved lip ANSI strike (28- prefix) Wrought box strike available (WBS suffix)
Hand	All 10 Line Locks are non-handed except the RX- and G & Y Levers
Roses	Heavy wrought brass and bronze
Latch	Stainless steel 1/2" (13mm) throw Brass 3/4" (19mm) throw for pairs of doors (41- prefix)
Cylinder	Brass, 6 pin, LA keyway standard
Keys	Two, nickel silver
Masterkeying	Can be master keyed or grand master keyed Construction key systems available
Finishes	03, 04, 09, 10, 10B, 10BL, 15, 20D, 26, 26D
Options	For detailed information see "Prefixes"
Door Prep	161 Door Prep Modified 160 Door Prep Modified (specify 20-)
Minimum Stile	4-1/2" (114mm)

Certification Compliance

ANSI/BHMA	Meets and exceeds ANSI A156.2 Series 4000 - Grade 1
UL	UL listed to U.S.A. and Canadian safety standards Listed for 3 hour doors (double doors require 41 - prefix)
Positive Pressure	Meets UL 10C and UBC 7-2 (1997)
ADA	All levers conform to ADA requirement for barrier-free accessibility
California Code	Levers (L, J & P) conform to California Administrative Code Title 19 and 24
Hurricane Code	All individual components of a total door opening are required to comply with each code. Refer to the SARGENT Website (www.sargentlock.com) for specific code compliance listings for both the lock hardware and other door components.

On The Cover

- 10G05 X GL

Hardwiring Made Easy™



As part of their promise to provide innovative, fast and effective, and higher security solutions to their customers, ASSA ABLOY Group companies offer ElectroLynx, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx™ is a trademark of ASSA ABLOY, Inc.



SARGuard is part of the MicroShield™ family of antimicrobial products.

As part of its promise to provide innovative solutions to their customers, ASSA ABLOY Group companies offer the MicroShield technology, a silver-based antimicrobial coating designed to stem the spread of germs and bacteria.

- Revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from AgION Technologies
- As an integral part of the finish coating, SARGuard lasts for the life of the hardware
- SARGuard coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. It is effective against a broad spectrum of bacteria.
- Non-toxic and completely safe. The AgION antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)



AgION Antimicrobial is EPA registered, FDA recognized and NSF certified

The AgION antimicrobial is not intended as a substitute for good hygiene. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. ASSA ABLOY makes no representations or warranties, express or implied, as to the efficacy of the AgION antimicrobial. A copy of the AgION warranty is available upon request.

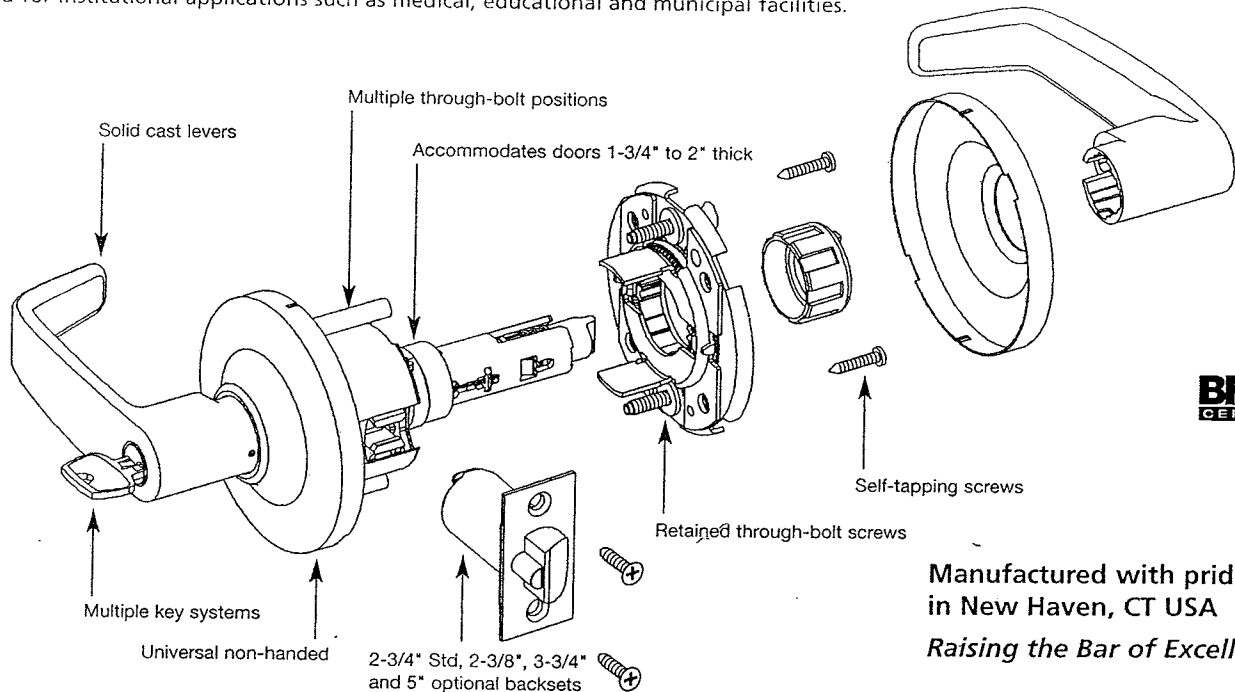
10 Line Lever Lock Features, Benefits & Applications

SARGENT
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Features & Benefits

A heavy duty cylindrical key-in-lever lock designed to exceed the requirements of ANSI 156.2 Series 4000 Grade 1. The 10 Line is the standard for institutional applications such as medical, educational and municipal facilities.



Strength, Durability and Security

- Cycle Test: Exceeds 5 times A156.2 Grade 1 requirements
- Abusive Locked Lever Torque- without entry gained: Exceeds 1.5 times A156.2 Grade 1 requirements
- 7 YEAR LIMITED WARRANTY – no service required to maintain warranty

Convenience

- Installs in 1 minute or less
- Quickly adapts to fit multiple through-bolt positions
- User friendly packaging
- User friendly instruction sheets
- Convenient installation diagram on box

Design

- Solid feel and precise lever action
- Slim rose design available
- Decorative Levers — Coastal Series designs — Gulfport and Yarmouth
- Levers are solid one piece cast construction, except "J" lever

Flexibility

- Fits a variety of door preparations with adaptable through-bolt positioning
- Accommodates retrofit applications with optional 2-3/8", 3-3/4" and 5" backset latches
- 6 ADA lever styles to complement a wide array of design applications
- Levers (B, L, J & P) are non-handed for efficient warehousing and for ease of installation
- 10 Architectural grade finishes
- 23 Functions
- SARGENT uses engineered solutions and flexible manufacturing processes to accommodate special applications

Security

- Torx® and spanner screws optional
- Classroom security and multiple locking functions available
- Vandal resistant trim optional (FW- prefix)
- Security key systems available (V-10, Signature, Keso, XC)

Applications

- Designed to conform to national & state fire and handicapped requirements
- Grade 1 Lock
- Heavy duty commercial and institutional interior and exterior doors
- Offices
- Schools/Universities
- Hospitals
- Manufacturing facilities

Innovation

- SARGENT's revolutionary SARGuard™ available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed
- Broad offering of electro-mechanical configurations offer higher security for the most demanding access/egress control applications
- SARGENT's revolutionary SARGuard™ available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed



- ElectroLynx™ is a plug-in universal connector system that allows users to simply link together the wired components of a doorway, without cumbersome soldering or wire nuts
- As part of their promise to provide innovative, fast and effective, and higher security solutions to their customers, ASSA ABLOY Group companies offer ElectroLynx, a universal quick-connect system that simplifies the electrification of the door opening
- ElectroLynx™ is a trademark of ASSA ABLOY, Inc.



10 Line Lever Lock Lever & Rose Designs

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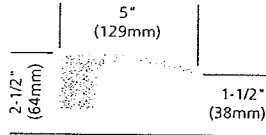
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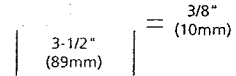
B Lever Design

- Lever: B-Solid Cast



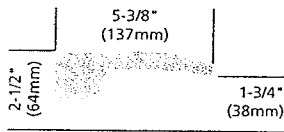
G Rose Design

- Rose G - Heavy Wrought



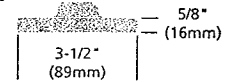
Y Lever Design - Coastal Design - Yarmouth

- Lever: Y-Solid Cast
- Handed



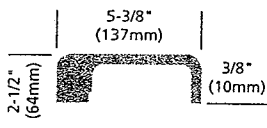
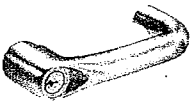
L Rose Design

- Rose L - Heavy Wrought



J Lever Design

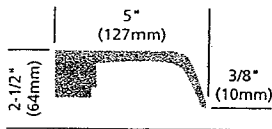
- Lever: J-Wrought



J lever – not available with Freewheeling or Interchangeable Core

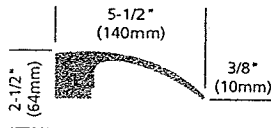
L Lever Design

- Lever: L-Solid Cast



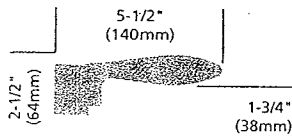
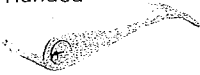
P Lever Design

- Lever: P-Solid Cast



G Lever Design - Coastal Design - Gulfport

- Lever: G-Solid Cast
- Handed



NOTE: Any rose or lever on this page can be combined to suit individual taste.

NOTE: All lever height measurements represent total distance from door face.

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10 Line Lever Lock Functions

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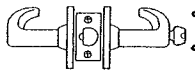
www.sargentlock.com



Single Cylinder Functions

04 Storeroom or Closet

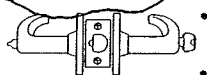
10G04



- Deadlocking latch
- Latch by lever inside or key outside
- Outside lever rigid at all times
- ANSI F86

05 Entrance or Office

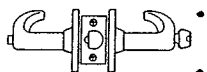
10G05



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push/turn button in inside lever
- Push button released by key outside or lever inside
- Turn button must be released manually
- Key retracts latch when outside lever is locked
- ANSI F81

24 Entrance or Office

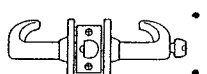
10G24



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Push button released by key or turning inside lever
- Closing door does not unlock outside lever or release button
- Key in outside lever retracts latch when outside lever is locked and releases inside push button
- ANSI F82

37 Classroom

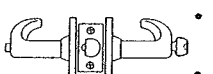
10G37



- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in outside lever locks or unlocks outside lever and retracts latch
- Inside lever always operative
- ANSI F84

44 Service Station

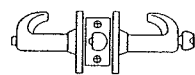
10G44



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button in inside lever
- Key retracts latch when outside lever is locked
- Push button released by turning inside lever, closing door, or by key in outside lever unless push button is fixed in locked position by turning coin slot in inside lever
- Slotted inside button must be manually released
- ANSI F92

50 Hotel, Dormitory or Apartment

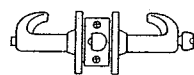
10G50



- Deadlocking latch
- Latch by key outside and lever inside
- Outside lever always rigid
- Depressing push button when door is closed shuts out all keys except emergency key and projects visual occupancy indicator in cylinder face
- Push button released by turning inside lever automatically reactivating all keys and retracting visual occupancy indicator
- Lock out key fixes push button in locked position, shutting out all keys except emergency
- Push button fixed by lockout key must be released manually
- Lock out key provided
- See prefix page for restrictions to 50 function
- ANSI F93

54 Corridor, Dormitory

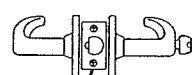
10G54



- Deadlocking latch
- Latch by either lever unless outside lever is locked by push button inside or key outside
- Rotating inside lever or closing door releases inside button only, but does not unlock the outside lever if locked by key
- Key outside locks or unlocks outside lever and also retracts latchbolt when locked
- ANSI F90

70 Electromechanical (Fail Safe)

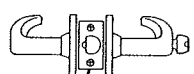
10G70



- Power off, unlocks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; voltage must be specified when ordering

71 Electro mechanical (Fail Secure)

10G71



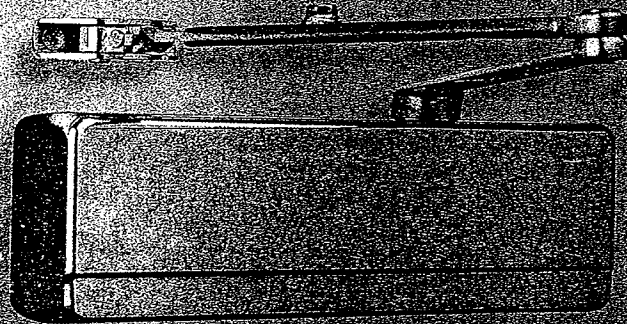
- Power off, locks outside lever
- Deadlocking latch
- Key retracts latch
- Inside lever always allows egress
- Voltage requirements: 12VDC or 24VDC Regulated; voltage must be specified when ordering

Freewheeling Locked Lever Option

- Available on all locking functions except 10G26, 10G38, 10G70, and 10G71
- Provides protection from vandalism and added security
- Stops in the rose prevent the lever from traveling beyond 60° in either direction
- Not available in "J" Lever Design and some prefixes

NOTE: Shaded lever indicates it is rigid at all times

SARGENT®



1431 SERIES
POWERGLIDE®
DOOR CLOSER

1431 Series Powerglide® Door Closer General Information



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1-800-727-5477

www.sargentlock.com

All Weather Fluid

All 1431 Series closers are equipped with fluid that allows the units to operate effectively in extreme temperatures without readjustment

Finishes

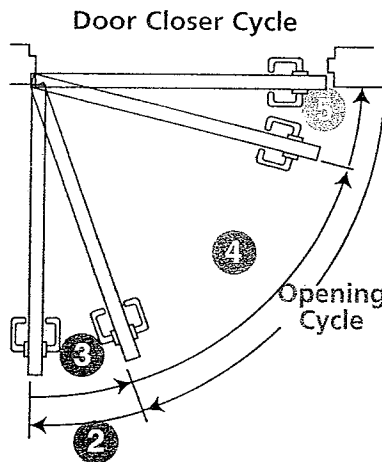
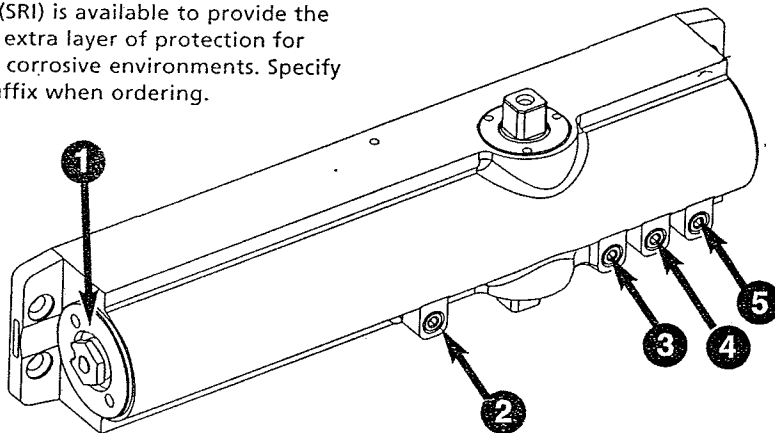
Powder coated and plated finishes are available. See How to Order page 15.

ANSI/BHMA Specifications

- The 1431 Series doors closers are certified to the requirements of ANSI A156.4 Grade 1
- Complies with UL-10C and UBC 7-2C (1997) Positive Pressure Fire Test

Special Rust Inhibitor Process (SRI)

The aluminum body of the 1431 provides a high level of corrosion protection in many environments. An additional process (SRI) is available to provide the arms an extra layer of protection for extreme corrosive environments. Specify SRI as suffix when ordering.



Closer Spring Adjustment

- Not Shown in Door Closer Cycle Diagram
- Effects the entire cycle of the door closer movement
- Used to size closer for application requirements
- Determines the amount of force with which the door closes and the amount of force required to open the door
- Adjustable to compensate for door size and draft conditions

2 Backcheck valve

- At approximately 70° of the open cycle, the Backcheck Valve begins to slow the door's motion
- Prevents the door from slamming into the door's stop
- Valve is used to control the intensity of the Backcheck
- Note: A Positive stop is required, Backcheck cannot be used as a stop

3 Delayed action valve (Optional)

- Holds the door in the open position momentarily
- 20 second minimum hold open delay
- The feature is available for all applications and arms
- Beneficial when moving carts or objects thru door opening and ADA applications

4 Closing speed valve

- Controls how fast the door closes to approximately 8" from the closed position

5 Latching speed valve

- Controls the speed of the door during the final 8" of door swing
- The force the door closes with is controlled by the Closer spring
- Note: This adjustment is critical for door latching

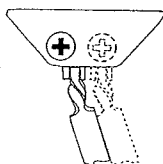
ANSI Standards

ARM	TYPE	ARM	TYPE
O	CO2011	PF9	CO2101
P9	CO2021	P10	CO2021
H	CO2051	PS/CPS	CO2021
PH9	CO2061	CPSH/PSH	CO2061
F	CO2091		

All are certified ANSI types including options PT4 A, B, D, E, F, G, H

Arm Leverage Adjustment

Closers using "O" or "F" arms have the provision to increase closing power by 15% by adjusting foot pivot



How to Select the Proper Closer

Things to Consider

1. Size and Weight of Door

The 1431 Door Closer is non-sized so that closing force can be adjusted in the field to accommodate various door sizes and weights.

2. Interior Application

The standard application is the most efficient in terms of power and control.

3. Exterior Application

The top jamb, parallel arm application should be used. Exterior doors require greater closing forces because of draft conditions. Always place the closers out of the weather.

4. Degree of Opening

Proper arm and position on the door is most important to permit the door to open far enough to allow adequate traffic flow.

5. Function

Closers are available with hold-open, positive stop or fusible link hold-open arms.

6. Special Condition

Consult factory when special hinges, overhead holders or other specialized hardware is used.

1431 Series Powerglide® Door Closer

Features and Benefits

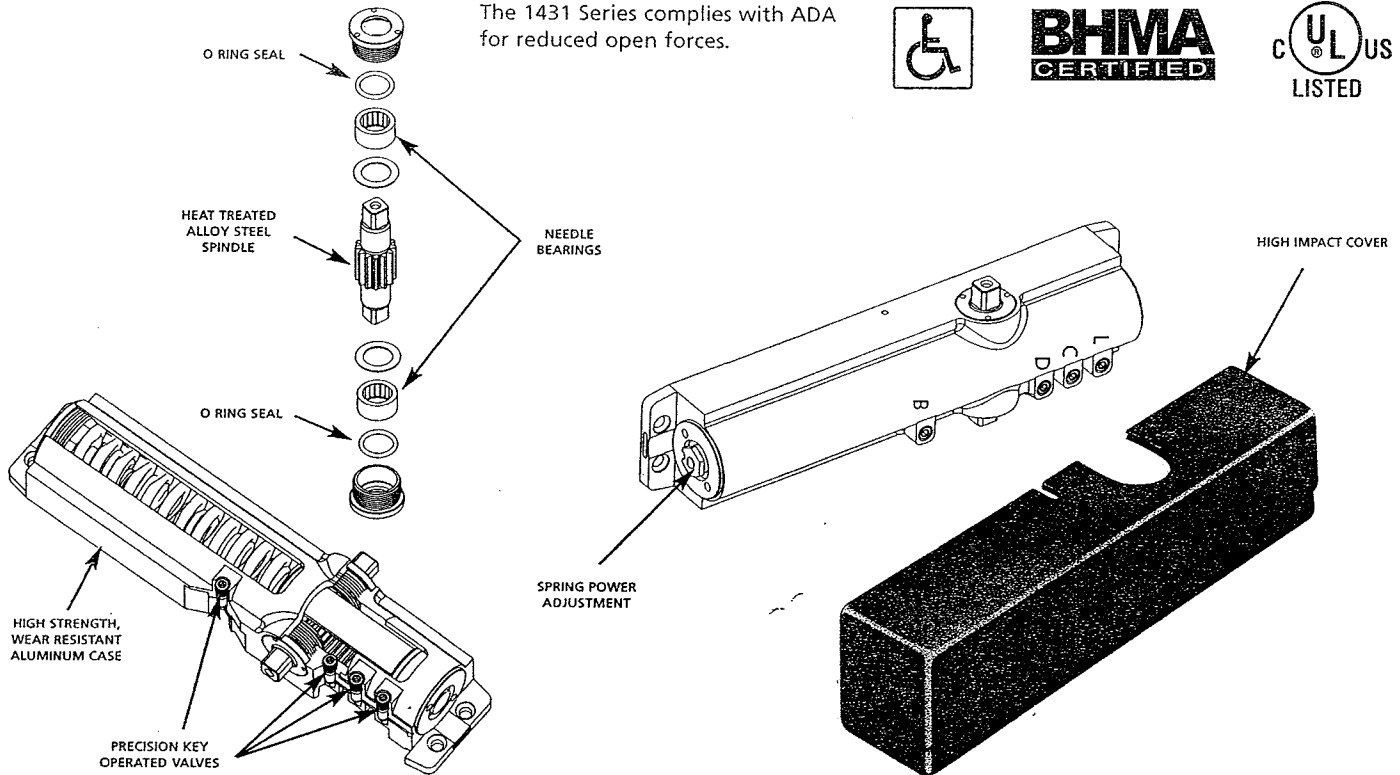
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The 1431 Series complies with ADA for reduced open forces.



Features

- ANSI/BHMA Grade 1 (A156.4)
- Conforms to standards UL 10C and UBC 7-2 for positive pressure fire test
- Ten year or 10 million cycle Warranty
- Versatile mounting applications permit standard, top jamb, parallel and track installations with the same closer body
- UL and cUL listed for use on fire doors
- Adjustable spring power allows 1431 closers a size range of 1 through 6. Closers are adjusted to Size 3
- Closer bodies are non-handed
- ADA requirements are met in all applications (except track)
- Standard pressure relief valves for both opening and closing cycles protect the door & frame from damage caused by abuse
- Retrofits existing SARGENT 1230/1231 Series Closer installations
- High impact non-corrosive plastic covers standard (Optional metal cover available)
- Cover secured by machine screws

- All weather fluid allows closer to operate effectively in extreme heat and cold without readjustment

Heavy Duty Construction

- Heat treated full rack and pinion for high strength & wear resistance
- Heavy duty one piece high silicon content aluminum alloy body provides corrosion resistance, superior strength and wear resistance
- 1/2" arm engagement over a 7/16 square spindle ensures a wear-resistant tight joint

Full Complement of Arm Types

- Standard and parallel arms
- Push and pull track arms
- Heavy duty forged steel arms are finely finished and interchangeable between SARGENT 281 and 1431, and 351 Series. The cold formed arms (RO/RP9) are unique to the 1431 series and not interchangeable with other SARGENT closers

Valves

- Separate brass low sensitivity control valves offer ability to separately regulate door speed, latching, backcheck and optional delayed action
- All valves are captured to prevent accidental removal, adjustable with an 1/8" Allen wrench
- Adjustable backcheck protects the door and hardware from damage during the opening cycle
- Adjustable delayed action (optional) permits easy access for physically impaired individuals

Innovation

- SARGENT's revolutionary SARGuard™ available. This antimicrobial silver-based finish coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildew. EPA and NSF approved and FDA listed

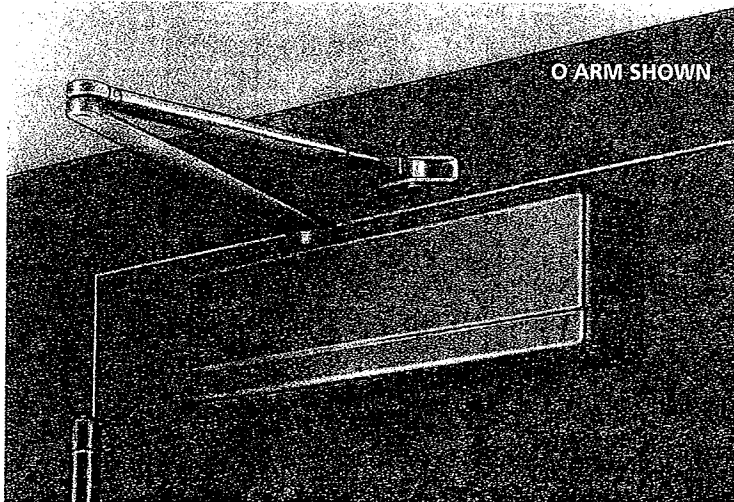


1431 Series Powerglide® Door Closer Standard Application

SARGENT

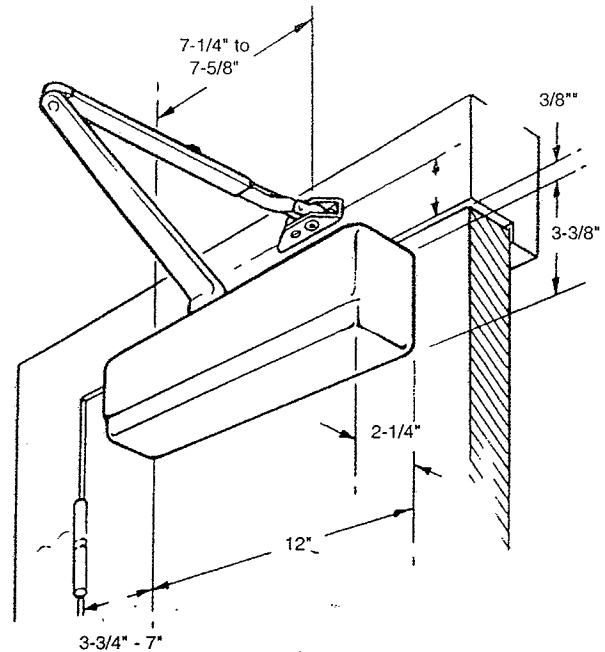
1-800-727-5477

www.sargentlock.com



The standard application of the 1431 door closer is the most common and the most desirable. The closer mounts on the hinge (pull) side of door (except when the W Corner Bracket is used). Note: This application is not recommended on exterior doors, since the closer is not protected from weather. The cover projection normally limits the door opening to a maximum of 160°.

1431-0 Standard Application



1431 Standard Application for:

- Interior Doors Opening In or Out
- Exterior Doors Opening In

1431 Standard Application Door Opening Range

(Range based on Mounting Position)

- O & RO Standard Arms: 120°–180°
- H- Hold Open Arm: 90°–180°
- F- Fusible Link Hold Open Arm: 75°–135°

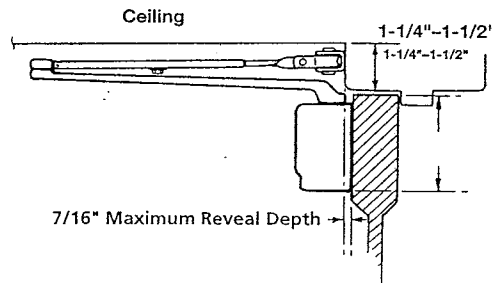
Adjustable Closing Force

- Interior doors to 5'0" wide
- Exterior doors to 4'0" wide
- Shipped factory preset for 3'0" door
- Factory pre-sized upon request

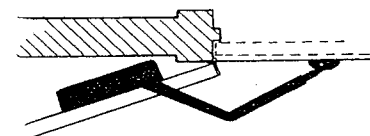
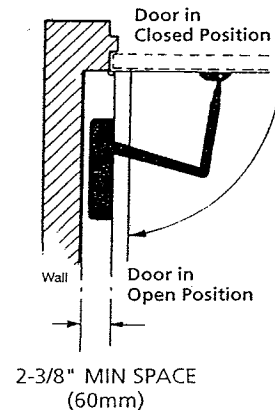
OLC - Low Ceiling Application Arm for Ceiling to Doors Clearance of 1 1/4" - 1 1/2"

Door Top Rail Requirement

- 2-5/8" min. rail (116mm)
- For Top Rails less than 3-3/4" with window opening, the 1431-J Cover Plate is recommended



Wall Clearance Requirement



Cover Projection normally limits door opening to 160°

NATIONAL GUARD PRODUCTS, INC.

Automatic Door Bottoms - Heavy Duty Mortise

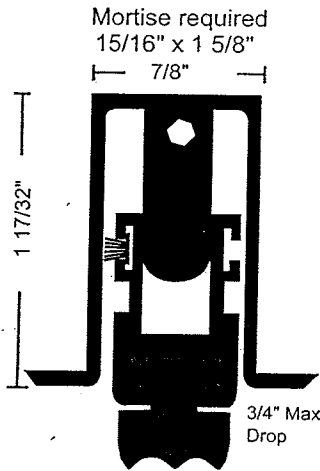
- Use with a threshold for maximum sealing capability
- Nylon brush recommended for carpet applications where no threshold is provided
- Specify the exact net length of your Automatic Door bottom, whenever possible. Automatic Door Bottoms 32" and larger may be cut up to 4" in the field, 24" to 32" may be cut 2", under 24" should not be cut in the field
- Clear anodized end caps furnished standard. DKB end caps available - please specify



All products this section

neoprene is black
 nylon brush is gray
 #4 x 5/8" SWS furnished

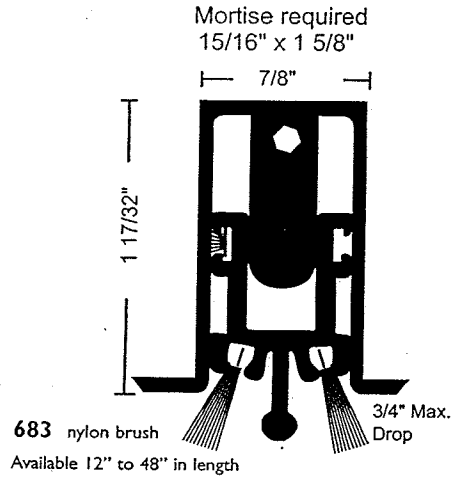
Fits Wood Fire Door Mortise Restrictions



423N neoprene

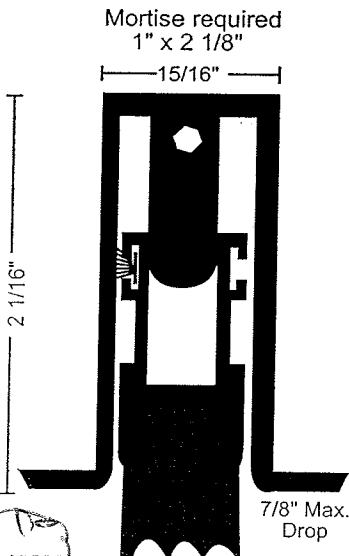


Available 12" to 48" in length
 Available with lead insert for radiation shield - Specify "lead lining"



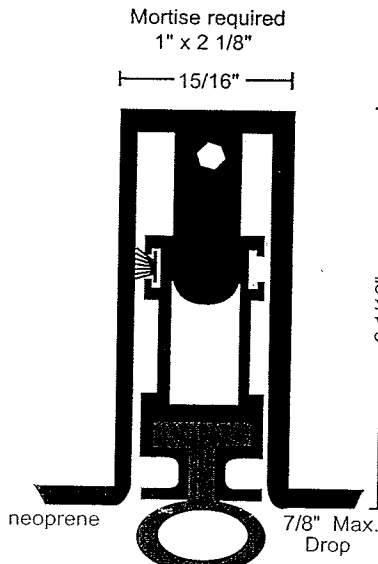
683 nylon brush

Available 12" to 48" in length



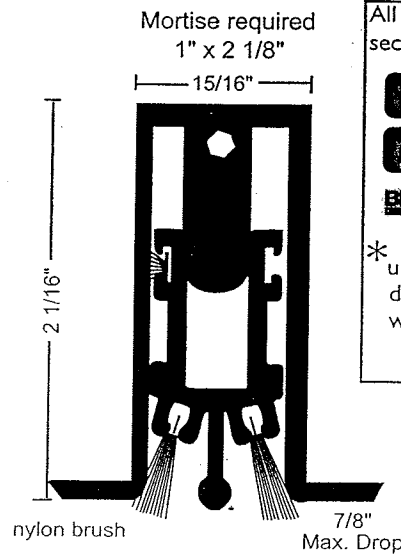
422N neoprene

Available 12" to 60" in length
 Available with lead insert for radiation shield - specify "lead lining"



522N neoprene

Available 12" to 60" in length



682 nylon brush

Available 12" to 60" in length

All products this section



* up to 3 hrs. metal doors, 45 minute wood doors

Automatic Door Bottoms - Heavy Duty Mortise



NGP Edge Sealing Systems/Smoke & Draft Control Gasketing

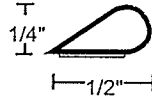
Combination NGP-Edge® Sealing System Smoke and Draft Control Gasketing - Category 'G' and 'H' Listed

5050

Silicone Bulb Fire and Smoke Seal



Edge Sealing System - Category "G"
for 20 minute rated category B
wood doors perimeter application up to:
single swing 4'0" x 8'0"
pairs 8'0" x 8'0"
use 9550 at the meeting edge of pairs

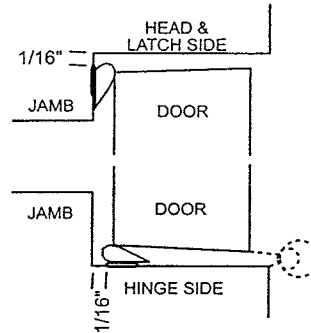


- 5050B Brown
- 5050C Charcoal
- 5050W White
- 5050T Tan
- 5050CL Clear



Up to 3 hours steel fire doors
Up to 1 1/2 hours wood fire doors

Meets requirements of ROHS Directive 2002/95/EC



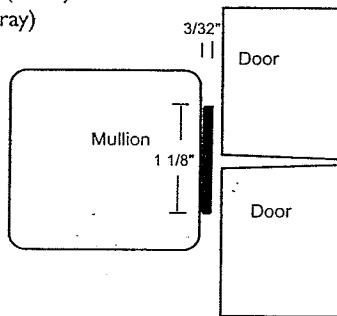
Available in 17', 20', 21', 25', and 300' rolls

Self-Adhesive

Note: See adhesive specifications on next page

Seal for Mullion Applications

- 5100N Neoprene (black)
- 5100S Silicone (gray)



Closed cell sponge strip 1-1/8" wide x 3/32" thick with an adhesive strip for mounting directly to the face of the mullion that doors close against.



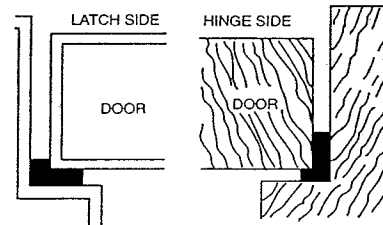
Available in 86" and 96" lengths.

Self-Adhesive

Note: See adhesive specifications on next page

Neoprene Sponge Self-Adhesive Gasketing

		width	thickness
361	21' rolls	3/8"	3/16"
362	21' rolls	1/2"	1/4"



January, 2004

HERE IS YOUR CURRIES DISTRIBUTOR MANUAL

You will find this manual an important source of information for CURRIES products. As new information is developed, or as changes occur, the new material will be mailed directly to you. If you will insert the new pages as received, your CURRIES Manual will always be current.

P O L I C I E S**TERMS**

CURRIES reserves the right to refuse purchase orders and is not bound to honor them unless they have been accepted at the Mason City, Iowa, home office. CURRIES reserves the right to sell or not to sell to a firm for any reason which in their sole discretion seems appropriate. Terms are 2% ten days and net 30 days from date of invoice.

PRICES

All prices are subject to change without notice and are not guaranteed.

QUOTATIONS

Quotations are based on market conditions and are subject to acceptance within the terms stated on the quotation. Quotations are subject to revisions or cancellations should conditions warrant. Any invoiced order that has the incorrect discount applied to it and did not have a quote form copy attached to the order or the quote number written on the order form will have a service fee of \$50.00 net DEDUCTED from any sales credit issued for the difference in discount.

CHANGES OR CANCELLATIONS

From the time an order for manufactured products is received and through the coordination phase it may be changed or cancelled without charge. If the order has begun the processing phase it may be changed or cancelled for a charge of \$50.00 net per order.

Once the order has been scheduled for production it **cannot** be changed or cancelled, the product belongs to the customer. If requested, we will not ship the product, however, the customer will be invoiced the full amount for the material. A Quick Ship Order, due to the nature of the process cannot be changed or cancelled after it has been scheduled, which can be a matter of hours after we receive it.

MINIMUM INVOICE

Purchase orders amounting to less than \$50.00 net will be subject to an additional net charge of \$15.00 over and above the net order amount.

CLAIMS

Claims for price adjustments must be submitted in writing to the Mason City, Iowa, home office within 30 days from date of invoice in question. Claims for shortages or incorrectly filled orders must be made in writing within 10 days after receipt of shipment.

WARRANTY

We warrant our products against defects in workmanship and materials for a period of one year, as follows:

- (a) There are no warranties, express or implied, which extend beyond those described herein, and there is no implied warranty or merchantability.
- (b) If our products should prove to be defective, our only responsibility will be to either repair or replace the defective item(s), and we will have no liability or obligation for any damages of any kind beyond such repair or replacement.
- (c) Our obligation to repair or replace any defective item terminates one year after the product has been delivered by us to the customer, and also terminates at any time anyone other than our company performs any work of repair, service, or replacement on the item without our prior written consent.
- (d) We assume no liability to pay any costs of labor or material for repair, service or replacement of any CURRIES product which has been incurred by anyone other than us.
- (e) CURRIES is committed to providing the highest quality products and services to its customers as possible. Errors can occur on occasion. We request our distributors to act as "final" quality control on our hollow metal. A simple double check procedure by an assembly person prior to modifying a door or welding a frame should be performed on every unit of product that leaves a distributor's place of business. This simple action can prevent a considerable amount of potential field problems.

RETURNS

No goods may be returned without written approval from the home office in Mason City, Iowa.

Replacement will be made only after a thorough investigation of the product is made, and investigation reveals that it is defective or was shipped in error. All returns must refer to the return authorization letter.

FREIGHT

All goods are shipped F.O.B. Point of Origin and become the customer's property when they pass into the hands of the transportation company.

POOL SHIPPING

Freight shipments may be pool shipped together with other distributor orders to various regions of the country. Pool shipment program descriptions are available from the factory.

Warranty Information

Full Door and Frame Warranty

(WOOD DOOR)

COVERAGE

This Warranty applies to Purchasers of the below-described products from Algoma Hardwoods, Inc., and to resale of them during the full warranty term, including Transferees of the product. Algoma Hardwoods, Inc. warrants that its products hereinafter listed, will be free from manufacturing defects which would render them unserviceable or unfit for their normal, recommended use for the time periods indicated below.

-PRIOR TO INSTALLATION

Any Algoma Hardwoods door or frame found by an authorized representative of Algoma Hardwoods to be defective within the meaning of this warranty, prior to installation, will, at Algoma Hardwoods' option, except as provided on the reverse side hereof with respect to claims relating to door warp or photographing, either be repaired, or replaced with an identical product delivered to the location of the structure without charge. If, after a reasonable number of attempts to remedy the problem, repair or replacement is not practical, Algoma Hardwoods will refund the purchase price of the product.

-AFTER INSTALLATION

If any product becomes defective after installation, Algoma Hardwoods will agree, in addition to the above, to pay reasonable expenses for removing, rehanging and refinishing. Such removal and rehanging shall be performed only with the approval of Algoma Hardwoods and after the cost of such work has been determined. **IF THE DEFECT FOR WHICH THE PRODUCT IS BEING REJECTED WAS VISIBLE AND APPARENT PRIOR TO INSTALLATION, Algoma Hardwoods CANNOT BE RESPONSIBLE** for the cost of removal and reinstalling the product.

EXCEPTIONS TO COVERAGE

ALGOMA HARDWOODS SHALL HAVE NO LIABILITY UNDER THIS WARRANTY UNLESS SUCH DOORS OR FRAMES HAVE BEEN HANDLED, STORED, FINISHED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH ESTABLISHED BUILDING PRACTICES, THE RECOMMENDATIONS SET FORTH ON THE REVERSE SIDE HEREOF, AND ALGOMA HARDWOODS' WRITTEN INSTALLATION RECOMMENDATIONS, AND HAVE BEEN SUBJECTED ONLY TO NORMAL USE. FURTHERMORE, UNLESS THE PRODUCTS HAVE BEEN PREFINISHED BY ALGOMA HARDWOODS, ALGOMA HARDWOODS SHALL HAVE NO LIABILITY UNDER THIS WARRANTY FOR THE FINISH OF SUCH DOORS OR FRAMES. This warranty does not apply if the defect or failure of the warranted product to conform to the warranty was caused by damage while in the possession of the consumer. ALGOMA HARDWOODS' SOLE RESPONSIBILITY IS AS STATED IN THIS WARRANTY, AND ALGOMA HARDWOODS IS NOT LIABLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES. (This warranty gives you specific legal rights, and you may also have other rights which vary from state to state).

CLAIMS PROCEDURE

Algoma Hardwoods cannot inspect or control the handling or exposure of doors or frames after shipment; therefore, the Purchaser must inspect them when received. The Purchaser, upon discovery of a defect in the product, must notify Algoma Hardwoods, Inc. in writing, of the defect within thirty (30) days of discovery of the defect.

OTHER CONDITIONS ON WARRANTY

It shall not be Algoma Hardwoods' policy to inspect finished installations for the sole purpose of certifying that the installation is within warranty. **THIS WARRANTY WILL NOT COVER EXCLUSIONS, IS SUBJECT TO TOLERANCES, AND REQUIRES STRICT COMPLIANCE WITH THE STORAGE, HANDLING, JOB FINISHING AND INSTALLATION INSTRUCTIONS, ALL STATED ON THE REVERSE SIDE OF THIS WARRANTY.**

WARRANTY	Product	Interior Use	Exterior Use
	Wood Frames	Life of original installation	NOT WARRANTED
	PC-5 Novodor, FD ½ Hour	Life of original installation	2 years; 5 years with Medium Density Overlay faces*
	SLC-5 Slave Lumber Core, FD ½ Hour	Life of original installation	2 years; 5 years with Medium Density Overlay faces*
	SCLC-5 Structural Composite Lumber Core, FD ½ Hour	Life of original installation	NOT WARRANTED
	FD 1½, FD 1, FD ¾ Hour	Life of original installation	NOT WARRANTED
	SR Acoustical, FD ½ Hour	Life of original installation	NOT WARRANTED
	LL Lead Lined, FD ½ Hour	Life of original installation	NOT WARRANTED
	Site and Rail/Artisan	Life of original installation	NOT WARRANTED
	FGFW Full Glass Full Warranty ½ Hour	Life of original installation	NOT WARRANTED
	SHC & IHC Hollow Core	Limited 1 year warranty	NOT WARRANTED

*Exclusions and limitations for exterior doors listed on reverse side.

Purchaser KELLEY BROS. of NE Name of Installation UVM - COSMOGENIC NUCLIDE LAB

Address WILLISTON, UT. City BURLINGTON State/Zip UT. 05401

Algoma Order No. _____ No. of Doors 1 Type F. GLASS

Date Shipped 2/16/08 No. of Doors _____ Type _____

No. of Doors _____ Type _____

No. of Doors _____ Type _____

No. of Doors _____ Type _____

No. of Frames _____ Type _____

By: _____
Algoma Hardwoods, Inc.



1001 Perry Street • Algoma, Wisconsin 54201
920.487.5221 • 1.800.678.8910 • FAX 920.487.3636
www.algomahardwoods.com • sales@algomahardwoods.com

Warranty Information

PHOTOGRAPHING AND WARP TOLERANCES

1. Stiles, rail, and core show-through (photographing) on flush doors shall not be considered a defect unless the faces of the door vary from a true plane in excess of .010" in any three inch span.
2. Warp shall not be considered a defect unless it exceeds $\frac{1}{4}$ " in the plane of the concave side of the door itself. The following warp allowances are for $1\frac{1}{2}$ " or thicker doors. For doors wider than 3'6" and less than 7' in height, the warp shall not exceed $\frac{1}{4}$ " in a section 3'6" by the height of the door. For doors wider than 3'6" and higher than 7', the warp shall not exceed $\frac{1}{4}$ " in any 3'6" by 7' section. For doors up to and including 3'6" wide and over 7' in height, the warp shall not exceed $\frac{1}{4}$ " in any 7' length of door section. "Warp" is any distortion in the door itself and does not refer to the relationship of the door to the frame or jamb in which it is hung. The term "warp" shall include bow, cup and twist. In measuring the amount of warp present in a door, the following method shall be used: bow, cup, and twist shall be measured by placing a straight edge, taut wire or string on the suspect concave face of the door at any angle (i.e., horizontally, vertically, diagonally), with the door in its installed position. The measurement of bow, cup and twist shall be made at the point of maximum distance between the straight-edge, taut wire or string and the face of the door.
3. Manufacturer has the option to let the warped or photographing door hang 1 year to acclimate to surroundings.
4. Exterior doors, or interior doors subjected to different temperature or humidity conditions on each side of the door, or stored or used in conditions outside the guidelines below will not be warranted.

CERTAIN ADDITIONAL MATTERS EXCLUDED FROM THIS EXPRESS WARRANTY

1. The appearance of field finished doors or frames is not warranted.
2. Natural variations in the color or texture of wood are not to be considered as defects.
3. Since bleaches sometimes react unfavorably to minerals and other particles in wood, Algoma Hardwoods will not be liable for results of the bleaching of wood products.
4. The warranty against warp does not apply to the following:
 - a. Doors with face veneers of different species on each side.
 - b. Doors that are improperly hung or do not swing freely.
 - c. Doors with top and bottom rails not sealed.
 - d. Exterior doors
5. This warranty does not cover:
 - a. Doors with cutouts for lights, louvers and/or face grooves, any edge of which is nearer than 5 inches to any edge of the door.
 - b. Doors with cutout areas exceeding 40 percent of the door area, or with individual cutouts exceeding 54 inches in height (Exception: FGFW Full Glass Doors).
 - c. Doors with less than 5 inches between cutouts for lights, louvers, locks, and/or other hardware cutouts (Exception: $1\frac{1}{2}$ " on stile and rail doors and $1\frac{1}{2}$ " on FGFW Full Glass Doors).
 - d. Any delamination or warpage caused by failure to protect and seal all exposed surfaces of the door and the continued proper maintenance of these surfaces.
 - e. The appearance of wood doors with a high gloss finish.
 - f. Doors with hardware that is not compatible with a particular door construction. Concealed overhead closers, stops, or holders are limited to a maximum mortise dimension of $1\frac{1}{2}$ " wide by $1\frac{1}{2}$ " deep on particleboard or slave core doors ($1\frac{1}{2}$ " or thicker doors) and not approved for use on fire-rated doors.
 - g. Repairs, rework or replacements made without prior written consent from manufacturer.
 - h. Normal wear and tear including wear through of the finish or doors deteriorating for reasons other than material and workmanship of the door itself.
 - i. Doors and accessories that are not acceptable to local authorities having jurisdiction.
 - j. Doors where self-tapping or combination metal/wood screws are used to surface applied hardware.
 - k. Exterior doors:
 - 1) If concealed closers and concealed vertical rods are used.
 - 2) Unless edges exposed for openings and hardware are double sealed with exterior sealer.
 - 3) Unless exterior lip mouldings are used at bottom of openings and flashing is installed at top and bottom of doors and bottom of openings.
 - 4) Without adequate overhang protection to prevent direct exposure to the elements.
 - 5) Exterior doors are not warranted against photographing and warpage.
 - 6) Algoma's univar finish system is for interior doors only.

HANDLING, JOB FINISHING AND INSTALLATION INSTRUCTION

1. Deliver doors or frames to building site after plaster or cement is dry. If doors are stored at jobsite for more than one week, all edges should be sealed.
2. Handle with clean gloves and do not drag doors or frames across one another or across other surfaces.
3. Store flat on a level surface off the floor in a dry, well ventilated building. Cover to keep clean and avoid discoloration with opaque covering which does not permit light to penetrate. Covering must allow air circulation. Relative humidity should not be less than 25 percent or greater than 55 percent to aid in preventing warping and photographing. Avoid exposure to direct sunlight or artificial light, as some veneers will change color when exposed to light.
4. Doors and frames should not be subjected to: abnormal heat, extreme dryness, humid conditions or sudden changes therein.
5. The structural strength of the door or frame must not be impaired in the fitting of the door or frame, the application of hardware, or cutting and altering the door for lights, louvers, panels or any other special details. Cutting for electric strikes or other hardware may impair the structural strength of the frame.
6. For all doors up to 7'6" high, use three hinges. All doors 7'6" or higher require an additional hinge for each additional 30" of length.
 - a. Top and bottom offset pivots require one intermediate pivot up to 7'6" and an additional pivot for each additional 30" of length.
 - b. Center hung pivots warranted on PC-5 up to 7'0". All doors above 7'0" up to 8'0" must use slave lumber core.
7. Before finishing, remove handling marks or effects of exposure to moisture with a thorough, final sanding over all surfaces of the door using 120 to 180 grit sandpaper and clean before applying sealer or finish, otherwise a blotchy appearance may result. Sanding and finishing should be done in a horizontal position. Some species of wood contain a chemical (oak particularly) which reacts unfavorably with certain finishes. Where possible, the surface should be tested for such unfavorable reactions. Application of a thinned clear sanding sealer, followed by light block sanding before finishing, will promote the uniformity of subsequent stain coats. The full beauty of wood is best emphasized by the use of a satin or semi-gloss finish rather than high gloss. For spray application of paint on paint grade surfaces, additional preparation of the surface will be required to minimize visibility of grain. The darker the stain color, more sanding and prepping is required.
8. Immediately after fitting, or cutting for closers, weatherstrip and/or threshold, and before hanging any interior or exterior door on the job, the entire door, including the top and bottom edges, must receive an application of primer and two coats of a good grade paint, varnish or lacquer. Adequate drying time must be allowed between coats. For jobsite finishing, do not use a water-thinned paint unless an oil base prime coat is first applied. Exterior finishes shall be used on the exterior face and all edges of exterior doors.
9. Dark colored finishes should be avoided on exterior surfaces of exterior doors.
10. Doors or frames prefinished at the factory should be compared with the approved finish sample before installing. Installation of prefinished doors or frames shall constitute acceptance.
11. Finishing at the job site should be discontinued immediately if unsatisfactory results are evident. The manufacturer should be consulted for possible corrective action before continuing.



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920.487.5221 • 1.800.678.8910 • FAX 920.487.3636
www.algomahardwoods.com • sales@algomahardwoods.com

McKINNEY

(HINGES)

McKinney hinges are guaranteed to be free of defects in both workmanship and materials. McKinney's liability under all warranties, express or implied, shall be limited to replacement of defective goods. The defective goods must be returned to our factory in Scranton, Pennsylvania, with freight charges prepaid. Any bending, defacing or modification of a hinge after leaving our factory will void the warranty.

This guarantee is only valid if the hinges are specified, applied and adjusted in accordance with the instructions contained in the general information section of the McKinney catalog and on frames and doors that are plumb and square. This guarantee is good for one (1) year.

Please be advised that we do not have MSDS sheets, operation or maintenance manuals for our production. In addition hinges contain no hazardous materials such as lead, asbestos or urea formaldehyde.

The McKinney Products Company

McKINNEY Products Company • 820 Davis Street • Scranton, PA 18505 U.S.A.
Phone 570-346-7551 • Fax 570-342-4845
Customer Service: Phone 800-346-7707 • Fax: 800-541-1073
Email: www.mckinneyhinge.com

GI-6 GENERAL INFORMATION

SARGENT

LIMITED WARRANTY

Minimum Order \$250

May 15, 2006

(LOCK & CLOSER)

LIMITED WARRANTY:

SARGENT® warrants that its products sold under the "SARGENT" trade name in the United States of America are free from defects in workmanship and materials under normal use and service.

This warranty does not cover defects or damage arising from improper installation, lack of or improper maintenance, improper storage, shipping and handling, corrosion, erosion, ordinary wear and tear, misuse, abuse, accident, unauthorized service, or use with unauthorized non-SARGENT products or parts.

This warranty is void if any modification is made to the warranty product, regardless of whether the modification causes or contributes to the alleged defect. All modifications are made at the risk of the party making the modification.

The only liability of SARGENT®, in tort or contract whether under this warranty or otherwise, shall be limited to the repair or replacement of any product or component part which shall prove defective as covered by this warranty, within the stated time period listed below, after delivery to the original purchaser.

• T-Zone (11-Line), Bored-In Lever Lock	10 years
• 1130, 1331, 1431, 281, 351 Series Closer Body	10 years
• 9200/8200/7800, Mortise Lock	10 years
• 10L, Bored-In Lever Lock	7 years
• 80/90 Series Exit Device or Trim	5 years
• Overhead Holders & Stops	5 years
• 7L, Bored-In Lever Lock	5 years
• 8L, Bored-In Knob Lock	3 years
• 20/30 Series Exit Device or Trim	3 years
• All Electromechanical and Electronic Products	2 years
• All other SARGENT products	1 year

Warranty for Cylinders Factory or Field Combined:

Cylinders shall be periodically lubricated depending on environmental conditions. Dry graphite, molybdenum disulfide or Polyube(trademark) are recommended. Petroleum based liquid lubricants should only be used in cylinders in harsh or corrosive environments and should not be missed with dry lubricants.

Warranty for Cylinders Field Combined:

1. Keys shall be cut to the SARGENT® key biting specifications required for the particular keyway and depth system.
2. All pin lengths shall be selected according to prevailing factory standards.
3. Original SARGENT® cylinder components, including pin tumblers and key blanks, shall be used.
4. We reserve the right to void the warranty if we deem that a malfunction is a result of non-original components which do not conform to SARGENT® standards.

Keying Systems:

All bittings shall be originated or authorized by the SARGENT® Key Systems Department to be compatible with one another in a specific type of cylinder (conventional, security, high security, interchangeable core, removable core) and within a particular keying system.

SARGENT® will not pay for the cost of repair performed other than in accordance with this warranty.

Refer to our Returned Goods Policy regarding the return of a product or component part believed to be defective as covered by this warranty. A brief description of the defect will be required. Product will be examined upon return. In the event such examination reveals a defect covered by this warranty, the product will be repaired or replaced.

Minimum Order \$250

LIMITED WARRANTY

May 15, 2006

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. TO THE EXTENT PERMITTED BY LAW, ALL IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THIS WARRANTY. SARGENT® MANUFACTURING COMPANY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO AGENT, SALES REPRESENTATIVE OR DEALER HAS THE AUTHORITY TO INCREASE OR ALTER THE OBLIGATIONS OF THIS WARRANTY.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

SARGENT® Manufacturing Company

TERMS AND CONDITIONS

GASKET

1. Limited Warranty; Limitation of Remedy and Damages. Subject to the limitations of liability set forth below, NGP warrants for a period of two (2) years from date of delivery (the "Warranty Period"), that the products provided by NGP hereunder (the "Products") (i) shall conform substantially to the specifications provided to NGP, if any, so long as the Products have been properly installed; and (ii) shall conform substantially to the specifications provided by NGP, and (iii) are free from defects in workmanship and materials.

THIS IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY NGP WITH RESPECT TO THE PRODUCTS AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE. NGP HEREBY DISCLAIMS AND EXCLUDES ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

This warranty does not cover, and NGP will not be liable for, defects or damage arising from improper installation, modification, lack of or improper maintenance, improper storage, shipping and handling, ordinary wear and tear, misuse, abuse, accident, unauthorized service, use with unauthorized products or parts, or improper product selection or specification.

The sole and exclusive liability of NGP under this warranty or otherwise shall be limited to the repair or replacement of any Product or component part which shall prove defective to the original purchaser from NGP hereunder (the "Purchaser"), and shall not extend to dismantling, installing or reinstalling (or payment for the cost of the same). NGP will not pay for the costs of repair or replacement performed other than in accordance with this warranty. NGP SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY DELAY IN PERFORMANCE AND IN NO EVENT, REGARDLESS OF THE FORM OF THE CLAIM OR CAUSE OF ACTION (WHETHER BASED IN CONTRACT, INFRINGEMENT, NEGLIGENCE, STRICT LIABILITY, TORT OR OTHERWISE), SHALL NGP'S LIABILITY TO PURCHASER AND/OR ITS CUSTOMERS EXCEED THE PRICE PAID BY PURCHASER FOR THE SPECIFIC PRODUCTS GIVING RISE TO THE CLAIM OR CAUSE OF ACTION. PURCHASER AGREES THAT IN NO EVENT SHALL NGP'S LIABILITY TO PURCHASER AND/OR ITS CUSTOMERS EXTEND TO INCLUDE INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES RESULTING FROM USE OF THE PRODUCTS, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. This warranty is governed by the law of the State of Tennessee without regard to its conflicts of law principles.

2. No Set-off. Purchaser acknowledges that its obligations to pay NGP all sums properly invoiced to purchaser by NGP for the products are absolute and unconditional. Purchaser shall make all payments to NGP when due hereunder and shall not withhold, delay or condition payment for any reason whatsoever. Purchaser shall not set-off any amounts due NGP against any amounts already due from NGP to Purchaser and expressly waives any right to claim of set-off.

3. Claims. Any claim by Purchaser with reference to the Products shall be deemed waived by Purchaser unless submitted in writing in accordance with this Paragraph 3. Purchaser shall inspect the Products immediately upon receipt and prior to any installation or use of such Products. Unless Purchaser provides written notice to NGP of any claim for shortages or defects in the Products within fourteen (14) days after Purchaser's receipt of shipment, such Products shall be deemed finally inspected and accepted by Purchaser. If a defect is of such nature that reasonable inspection within the time provided herein would not disclose it, then notice of the claimed defect shall be made in writing and delivered to Purchaser within ten (10) days after Purchaser knew or should have known of the defect (but in no event later than the expiration of the Warranty Period); provided, however, that (notwithstanding any provisions hereof to the contrary) NGP shall not be liable for claimed defects in Products once such Products have been incorporated into a structure. At NGP's request, Purchaser will send any allegedly non-conforming Products to NGP. Any written notice of a claim hereunder shall be sent in writing to National Guard Products, 4985 East Raines Road, P.O. Box 753430, Memphis, Tennessee 38175.

4. Additional Terms. Acceptance of the Products shall be limited to the terms and conditions contained herein. Any terms and conditions contained in Purchaser's purchase order or acceptance that are in addition to, or are in conflict with, the terms and conditions contained herein shall not become a part of the agreement between NGP and Purchaser unless expressly agreed to in writing by NGP.