

Rixson® offers specialized floor closers featuring exceptional durability, vandal-resistant concealment and minimal maintenance.

Door Closers Concealed in the Floor	185 - 186
Door Closers Concealed in the Head Frame	187
Pivots and Pivot Sets Superior Door Hanging	188
Door Holders and Stops / Thresholds	189
Smoke Actuated Door Closers	190
Electro-Magnetic Door Releases & Locking Device	190

**Door Closers - Concealed in the Floor**

Model 27 (Offset Hung) and Model 28 (Center Hung) install in the concrete beneath the surface of the floor for total concealment. They feature heavy-duty hydraulic mechanism for reliable, consistent performance.




**No. 27  
Floor Closer**  
(shown)

Model 27 (Offset Hung) is installed to provide a pivot point 3/4" from the face of the door and 3/4" from the heel edge of the door. Model 28 (Center Hung) is installed 2-3/4" from the door frame. Both models are single acting (opening in one direction only).

Both models come complete with a bottom arm, top pivot, cement case and floor plate. Intermediate pivots are recommended for total door alignment on offset hung models.



**No. 28  
Floor Closer**  
(shown)

 Specify "PH" prefix to meet A.D.A. requirements on interior doors for any model listed below. Note PH27 and PH28 are designed specifically to meet handicapped requirements.

Model Number	Best Suited for...	Maximum Door Weight	Degree of Opening & Dead Stop	Special Features Available
27	Heavy Traffic Doors	450 lbs.	85°, 90°, 95°, 105°	Selective, Automatic or Non-Hold Open
L27	Lead Lined or Extra Heavy Doors	1,500 lbs.	85°, 90°, 95°, 105°	Selective, Automatic or Non-Hold Open
F27	Labeled Fire Doors	450 lbs.	85°, 90°, 95°, 105°	Non-Hold Open
Q27	Heavy Traffic Doors	350 lbs.	85°, 90°, 95°, 105°	Closer Removable Without Demounting Door-Side Jamb M19 Pivot Included
HM27	Hollow Metal Doors	250 lbs.	95°, 105°	Butt Hung (3/4" offset)
FHM27	Labeled Fire Doors	250 lbs.	95°, 105°	Butt Hung (3/4" offset)
PH27	Barrier Free Entrances	450 lbs.	85°, 90°, 95°, 105°	Meets ANSI Handicapped Requirements For Interior Door Opening
27DA	Heavy Traffic Doors	450 lbs.	85°, 90°, 95°, 105°	Adjustable Delay From 90° to 70°
28	Heavy Traffic Doors	300 lbs.	85°, 90°, 95°, 105°	Selective, Automatic or Non-Hold Open
H28	Extra Traffic Doors	1,000 lbs.	85°, 90°, 95°, 105°	Selective, Automatic or Non-Hold Open
G28	Tempered Glass Doors	300 lbs.	85°, 90°, 95°, 105°	Selective, Automatic or Non-Hold Open
PH28	Barrier Free Entrances	300 lbs.	85°, 90°, 95°, 105°	Meets ANSI Handicapped Requirements For Interior Door Opening
28DA	Heavy Traffic Doors	300 lbs.	85°, 90°, 95°, 105°	Adjustable Delay From 90° to 70°

Closers Feature As Standard: separate hydraulic latch, stroke and backcheck adjusting valves and built-in positive dead stop to exceed ANSI Grade 1 standards.

**How to order**

<b>27</b>	<b>LH</b>	<b>630</b>	<b>90°</b>	<b>NHO</b>
Model	Hand	Finish	Degree	Options

**Door Closers - Concealed in the Floor**

Rixson offers other specialized floor closers featuring exceptional durability, vandal-resistant concealment and minimal maintenance. The chart below identifies these closers and their operational features. Accessories are available for these closers and can be custom designed to accommodate any special condition.



**10-12**  
(shown)



**350 Series**  
(shown)

"H" Models are available on the 40 series closers for extra-heavy interior or lead-lined doors.

"F" Models for labeled doors available on 51



\*Specify "PH" prefix to meet A.D.A. requirements on interior doors.

Model Number	Best Suited for...	Maximum Door Weight	Degree of Opening	Closer Type	Cement Case Depth
50	Medium Traffic	250 lbs.	130° trim permitting	Center Hung Single Acting or Double Acting	2"
51	Medium Traffic	250 lbs.	180° trim permitting	Offset Hung Single Acting	2"
53	Medium Traffic Interior Doors	250 lbs.	90° trim permitting	Independantly Hung Single Acting	2"
30*	Medium Traffic Exterior and Interior Doors	200 lbs.	Approx. 100° trim permitting	Center Hung Double Acting	3-5/8"
40*	Heavy Exterior and Interior Doors	300 lbs.	Approx. 100° trim permitting	Center Hung Double Acting	4-1/8"
10*	Light Traffic	125 lbs.	105°	Center Hung	3"
12*	Light Traffic	125 lbs.	105°	Center Hung	3"
15	Light Traffic	125 lbs.	105°	Center Hung	3"
16	Light Traffic	125 lbs.	105°	Center Hung	3"
350	Gate Closer	75 lbs.	90° 140°	Pivot Hung Butt Hung	Surface Mount

**How to order**

<b>50</b>	<b>LH</b>	<b>630</b>	<b>90°</b>	<b>NHO</b>
Model	Hand	Finish	Degree	Options

**700/800 Series and Model 607/608 Door Closers Concealed in the Head of the Frame**




**No. 700/800**  
(shown)



**No. 608**  
(shown)

Model Number	Best Suited for...	Maximum Door Weight	Maximum Door Size	Closer Type
607/608	Light Weight Doors	200 lbs.	3'-6"	Center Hung/Double Acting
0607/0608	Light Weight Doors	200 lbs.	3'-6"	Offset Hung
0700	Medium Weight Doors	250 lbs.	4'-0"	Offset Hung
700	Medium Weight Doors	250 lbs.	4'-0"	Center Hung/Single Acting
800	Medium Weight Doors	175 lbs.	4'-0"	Center Hung/Double Acting

 All of the above closers can be furnished with Hold Open, specify 90 or 105 degrees.  
608 available in side or end loads attachments.  
Only Model 607 Series closer comply to ADA

**2900 Series Automatic Door Opener**

This opener is designed to be used with floor closers on doors that are too heavy to be handled by other low energy operators. This unit only opens the door. The floor closer shuts it.

Model Number	Application	
2910	Push Side Mount	200 lbs.
2915	Push Side Mount	200 lbs.
2910-D	Push Side Mount	350 lbs.
2915-D	Push Side Mount	350 lbs.
2920	Pull Side Mount	175 lbs.
2925	Pull Side Mount	74



**How to order**

<b>2910</b> Model	<b>LH</b> Hand	<b>630</b> Finish	<b>90°</b> Degree	<b>NHO</b> Options
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**Pivots and Pivot Sets Superior Door Hanging**

Pivot sets have been recognized for years as the best way to hang a door because the weight of the door is supported by the floor instead of the door frame. Pivot sets are available for doors weighing up to 1,500 pounds. (Intermediate pivots must be used with the F Series and are recommended for all applications.) If your specific requirements are other than those shown in the chart below, contact your local Rixson representative or the Rixson factory for information on customized applications.

Pivot sets include both top and bottom pivots. Intermediate pivots are recommended for offset applications.

*Pivots for electric power transfer and door position indicators are available for both offset and center hung applications.*

*\*F Series available for Labeled Doors.*



**No. M19**  
(shown)



**No. 147**  
(shown)

Model Number	Best Suited for...	Maximum Door Weight	Maximum Door Width	Type of Mounting
<b>Offset Hung Pivots</b>				
147*	Heavy Traffic Exterior and Extra Heavy Interior Doors	600 lbs.	Exterior: 3'-6" Interior: 4'-0"	Surface of Floor
L147*	Lead Lined and Extra Heavy Interior and Exterior	1000 lbs.	4'-0"	Surface of Floor
195	Heavy Traffic Exterior and Interior Doors	450 lbs.	Exterior: 3'-6" Interior: 4'-0"	Side Jamb
117-1/2*	Heavy Traffic Exterior and Interior Doors	650 lbs.	Exterior: 3'-6" Interior: 4'-0"	In Floor
L117*	Lead Lined and Extra Heavy Interior Exterior Doors	1750 lbs.	For Lead Lined Doors	In Floor
117*	Interior Doors; Pivot Mounts on Floor	300 lbs.	Interior: 3'-8"	Surface of Floor
117-1/4	Interior Doors; Pivot Mounts Directly to Side Jamb	250 lbs.	Interior: 3'-8"	Side Jamb
M19*	Intermediate Pivot	N/A	N/A	Full Mortise
ML19*	Intermediate Pivot for Lead-lined Doors	N/A	N/A	Full Mortise
F519	Intermediate Pocket Pivot	N/A	N/A	Full Mortise
<b>Center Hung Pivots</b>				
117-3/4	For Exterior and Interior Doors	600 lbs.	Exterior and Interior: 4'-0"	In Floor
H-117-3/4	Lead Lined and Extra Heavy Interior Exterior Doors	1000 lbs.		In Floor
127-3/4	Mounts to Side Jamb. For Lightweight Interior Swinging Doors	200 lbs.	Interior: 4'-0"	Side Jamb
128-3/4	Mounts on Floor. For Lightweight Interior Inswinging Doors	250 lbs.	Interior: 4'-0"	Surface of Floor
370	Mounts on Floor. For Exterior and Interior Doors	500 lbs.	Exterior and Interior: 4'-0"	Surface of Floor

**How to order**

<b>147</b>	<b>LH</b>	<b>630</b>	<b>90°</b>	<b>NHO</b>
Model	Hand	Finish	Degree	Options

## Door Holders and Stops/Thresholds

Proper door control through the use of a combination door holder/stop minimizes damage to the door and frame, walls and any glass in the door. Virtually maintenance free, these rugged devices provide shock-absorbing door stopping power and convenient hold-open capabilities. When teamed with concealed floor closers, they provide top-to-bottom door control.

Standard-duty models are shipped for multi-function installation, hold-open, stop and friction stay.



**8HD**  
(shown)



**No. 9**  
(shown)

Model Number	Best Suited for...	Maximum Door Opening	Special Features
2 Series (Concealed)	Medium Traffic Interior and Exterior Doors	110°	Multi-Function
10 Series (Surface)	Medium Traffic	110°	Multi-Function
1 Series	Heavy-Duty Concealed Holder and Stop for Heavy Traffic Interior and Exterior Doors	110°	Hold-Open, Stop Only or Friction
8HD Series	Pivot type Heavy-Duty Surface Holder and Stop for Heavy Traffic Interior and Exterior Doors	110°	Hold-Open or Stop Only
9 Series	Heavy-Duty and Extra Heavy-Duty Door Holder and Stop for High-Traffic Interior and Exterior Doors	110°	Hold-Open, Stop Only or Friction
6 Series	Heavy-Duty Concealed Low Profile Holder and Stop for Heavy Traffic Exterior and Interior Doors	110°	Hold-Open or Stop Only

### How to order

<b>8HD</b>	<b>630</b>
Model	Finish

**Smoke Actuated Door Closers**

Rixson-Firemark pioneered the development of smoke-actuated door controls. The new Smok-Chek VI has been added to the dependable Smok-Chek® V. Each is designed as a combination smoke detector, door holder/release, and door closer.



This is a Fire/Life Safety product.

Smok-Chek® VI available in free swing and double egress arms (prefix FS or DE).

Smok-Check V Model	Mounting	Degree of Opening	Detected
0600	Pull Side	145°	No
2600	Pull Side	145°	Yes
0601	Push Side	90°	No
2601	Push Side	90°	Yes
0602	Pull Side Holder	180°	No
2602	Push Side Closer	180°	Yes
Smok-Check VI Model	Mounting	Degree of Opening	Detected
4 Pull	Pull Side	175°	No
6 Pull	Pull Side	175°	Yes
4 Push	Push Side	170°	No
6 Push	Push Side	170°	Yes

**Electro-Magnetic Door Releases & Locking Devices**

The Firemark® series of electromagnets is designed specifically to hold fire and smoke barrier doors open until released by a remote smoke detector or other switching device. The complete assembly consists of an armature contact plate with adjustable pivot mounting for installation on the door and a heavy-duty electromagnet mounted on the wall or floor behind the door.



Model Number	Best Suited for...	Total Projection	Holding Power
990	Wall Mounted (Concealed Wiring)	1-7/8"	30-40 lbs.
997	Wall Mounted (Concealed Wiring)	2-1/2"	30-40 lbs.
998	Wall Mounted (Concealed Wiring)	3-1/2"	30-40 lbs.
999	Wall Mounted (Concealed Wiring)	4-3/8"	30-40 lbs.
996	Wall Mounted (Surface Wiring)	4"	30-40 lbs.
980	Floor Mounted (Concealed Wiring)	6-5/8" (Single Door)	30-40 lbs.
981	Floor Mounted (Concealed Wiring)	8-1/4" (Double Door)	30-40 lbs.
972	Heavy Duty Doors	972H (swinging), 972S (sliding), 972U (Overhead)	75 lbs.
975DA	Used to Delay Door Closing During Momentary Power Failure	Use with 972 Series	-
993	Wall Mounted (Heavy Duty Doors)		300 lbs.

**How to order**

<b>990</b>	<b>630</b>	<b>24VAC</b>
Model	Finish	Voltage