

# ADAMS PRODUCTS



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# 1

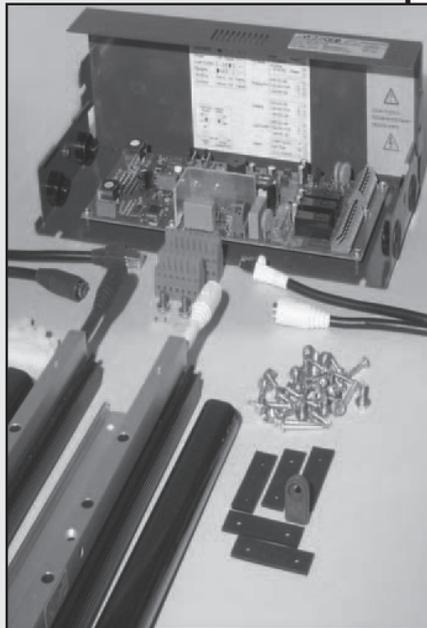
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Built-in nudging helps keep elevators moving in environments where riders are likely to hold open the doors. Nudging time is adjustable from 1 to 60 seconds

**Simple installation!**  
Ships complete and ready to install, with the least possible number of separate components to speed installation and limit on-site assembly decisions. GateKeeper MAX's vandal-resistant features keep it working right, and out of harm's way.



**Technical Data**

Supply voltage	17-265VAC/VDC; use Greenfield fittings for voltages >42V
Typical response time	90 ms
Max. response time	180 ms
Range	Up to 16 ft. (5m)
Current	10VA at 115/230VAC, 200mA at 24VDC
Fuse	6.3A s/b (5 x 20mm)
Relay output (3)	AC max: 265VAC at 8.0A DC max: 125VDC at 0.5A or 24VDC at 8A DC min: 5VDC at 10.0mA (NOTE: If switching high voltage, use slave relay (not included))
Fire Recall I and II	Active: 17-265VAC/VDC Inactive: 0-5VAC/VDC
Protection height	71"
Door height	7 to 10 ft.
No. of light beams	Up to 154 criss-cross beams
Light suppression	>100,000 lux
Connection plugs	WAGO 6 x 5.08
Cable length	16 ft. (5m)
Cable extension (avail)	10 ft. (3m)
Cable lifetime	20 million door movements (if installed correctly)
Enclosure rating, sensors	IP65
Enclosure rating, control unit	IP30
Vibration/shock	IEC 68-2-6 / IEC 68-2-29
Operating temp. range	-5° to +150°F (-20° to +65°C)
Storage temp. range	-20° to +220°F (-30° to +85°C)
EMC	IEC/EN 50081/50082-1, -2; EN 12015 and EN 12016
CSA	B44.1/A17.5-1996
Mounting kit	Complete

**Fire Recall Phase I & Phase II:** life-saving protocols in an emergency:

**Fire Recall Phase I**  
If the input labeled "Fire Recall Phase I" is activated, the light curtain is disabled and nudging is enabled. The nudging buzzer sounds; it remains on during door close and until the car arrives at the designated landing. The buzzer remains on for 15 seconds after the "Fire Service Phase I" input is deactivated.

**Fire Recall Phase II**  
If the input labeled "Fire Recall Phase II" is activated, the light curtain output is disabled. The nudging function works independent of "Fire Recall Phase II." Operation of the doors is taken over by emergency personnel. This eliminates the need for automatic re-opening and guards against false opening caused by smoke.

**Edges**

**GateKeeper MAX™ Infrared Curtain Unit**

**The only IR curtain with Phase I/Phase II Fire Recall Service... and it comes with nudging built in!**

**Built-in nudging**  
Replaces separate nudging unit for easiest installation. Factory setting of 20 sec. can be reset from 1-60 sec. Nudging buzzer volume is also adjustable.

**Plugs into 17-265VAC/VDC**  
GateKeeper MAX is the only infrared curtain that can be connected to any operating voltage from 17-265VAC/VDC with no additional wiring or modifying! Just plug it in and let it work.

**Up to 154 infrared detection beams.**  
**Integrated diagnostic circuitry**  
An on-board microprocessor adjusts automatically to optical conditions within protected area. As conditions change (from dust, dirt, etc.), microprocessor resets every beam for best performance under prevailing conditions.

**LED current-control system**  
An LED drive circuit constrains emitting current to lowest possible effective level. Result: reduced stress on LEDs help extend their life to millions of hours. This feature is unique to the GateKeeper product line.

**No incidents reported**  
With more than 150,000 units in service, not a single incident report has been recorded. This is most meaningful to anyone who has been named in a liability suit due to an unreliable door protection system.

**CSA approved, Fire-Code conformant**  
GateKeeper MAX meets all ANSI requirements and other U.S. and Canadian performance standards. Also conforms to Phase I and Phase II Fire Codes.

**Extra-wide 16-ft. operating range**  
Weary of measuring door openings and matching them to the right door unit? GateKeeper MAX works with all of them. One model, one part number, one great protection device. Choose 7-ft. or 10-ft. model according to door height.

**Moving cable tested to 20,000,000 cycles**

Part Number	Description
<b>A850G7MAX</b>	7ft. GateKeeper MAX unit w/mounting kit; (doors up to 7 ft. high)
<b>A850G10MAX</b>	10ft. GateKeeper MAX unit w/mounting kit; (doors 7 to 10 ft. high)
<b>A850G7MAX-P1</b>	Control unit (power supply)
<b>A850G7-R1</b>	Receiver (with blue plug)
<b>A850G7-T1</b>	Transmitter (with white plug)
<b>A850G7-RR1</b>	Receiver cable, 16 ft. (blue plug)
<b>A850G7-RT1</b>	Transmitter cable, 16 ft. (white plug)
<b>A850G7-VS</b>	Vision shield, 7 ft.

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# Edges

## GateKeeper® Infrared Curtain Unit

**GateKeeper is the industry choice for uncompromising door protection**

### Plugs into 17-240VAC/VDC

GateKeeper and GateKeeper MAX are the only infrared curtains that can be connected to any operating voltage from 17-240VAC/VDC with no additional wiring or modifying! Just plug it in and let it work.

### Up to 154 infrared detection beams

### Integrated diagnostic circuitry

### LED current control system

### No incidents reported

### CSA approved

GateKeeper meets all ANSI requirements and other U.S. and Canadian performance standards.

### Extra-wide 16-ft. operating range

### Moving cable tested to 20,000,000 cycles

## GateKeeper® 3D

**Infrared Curtain System that easily retrofits to any existing mechanical or electrical system**

### Easy to Install

Retrofits to ANY and ALL door protection systems without removing the existing system—even electromechanical safety-edge applications. Other 3D products require removal of the existing door safety edge in order to obtain 3D functionality.

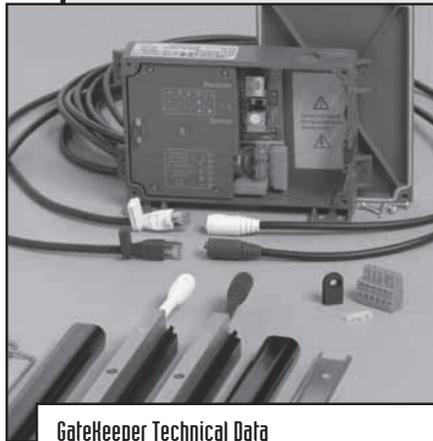
### Intelligent Design

Distinguishes between static and moving objects in the 3D zone. This allows the system to override the static object's presence, enabling the door to close, thus avoiding delays.

### Adjustable 3D Zone

Adjusts to aim in two dimensions. For center-opening applications, the ideal detection zone is directly in front of the door. However, for side-opening doors, the 3D sensor can also be adjusted left and right to aim the detection zone for the particular application.

Replacement	
Parts	Description
A850G7-HW	GateKeeper Hardware Bag
A850G7-MP	Mounting Profile, 7'
A850G7-P1	GateKeeper 2000 Control Unit (power supply)
A850G7-R1	Receiver (with blue plug)
A850G7-T1	Transmitter (with white plug)
A850G7-RR1	Receiver cable, 16 ft. (blue plug)
A850G7-RT1	Transmitter cable, 16 ft. (white plug)
A850G7-SP	Spacer Profile, 7'
A850G7-T1	Emitter White
A850G7-VS	Vision shield, 7 ft.



Modular connecting cables lead the list of features that make GateKeeper the easiest-to-install infrared curtain in the world.

### GateKeeper Technical Data

Supply voltage	17-240VAC/VDC; use Greenfield fittings for voltages >42V
Typical response time	90 ms
Range	Up to 16 ft. (5m)
Current	5VA at 115/240VAC 115mA at 24VDC
Relay output (3)	AC max: 265VAC at 8.0A DC max: 125VDC at 0.5A or 30VDC at 8A DC min: 5VDC at 10.0mA (NOTE: If switching high voltage, use slave relay (not included))
Protection height	71"
Door height	7 to 10 ft.
No. of light beams	Up to 154 criss-cross beams
Light suppression	>100,000 lux
Connection plugs	WAGO 6 x 5.08
Cable length	16 ft. (5m)
Cable extension (avail)	10 ft. (3m)
Cable lifetime	20 million door movements (if installed correctly)
Enclosure rating, sensors	IP65
Enclosure rating, control unit	IP54
Vibration/shock	IEC 68-2-6, -29
Operating temp. range	-5° to +150°F (-20° to +65°C)
Storage temp. range	-20° to +220°F (-30° to +85°C)
EMC	IEC/EN 50081/2, EN 12015/6
CSA	B44.1/A17.5-1996
Mounting kit	Complete

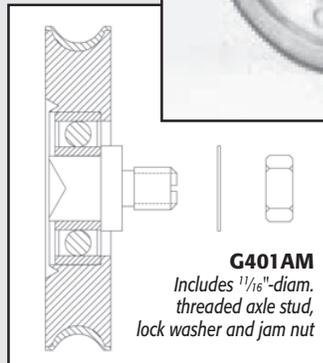
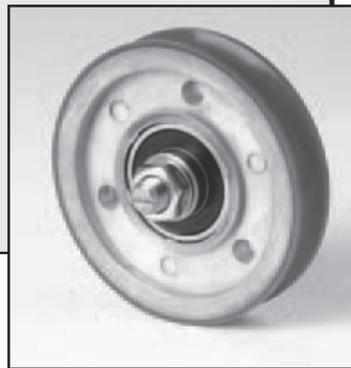
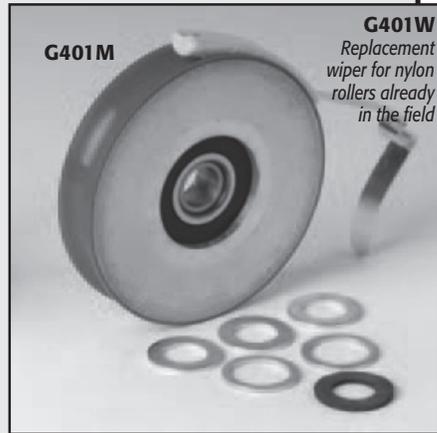


The GateKeeper 3D sensor projects the invisible 'cone' of infrared light out onto the landing to detect people and objects approaching the elevator.

Part Number	Description
A850G7	7-ft. GateKeeper unit w/mounting kit (doors up to 7 ft. high)
A850G10	10-ft. GateKeeper unit w/mounting kit (doors up to 10 ft. high)
A850G7WP	NEW waterproof model for doors up to 7 ft. high
A8503D	GateKeeper 3-D Sensor (includes mounting hardware).
A8503D100	GateKeeper Single 3-D Rectangular Sensing Beam Kit (For use with any GateKeeper or other existing 2-D light curtain. Includes intelligent distance and motion detection, intelligent "timeout" feature, automatic door fadeout.)
A850EZ159	GateKeeper EZ-159 Economy Kit with 24 VDC power
A850EZ159110	GateKeeper EZ-159 Economy Kit with 110 VAC power
A850EZ1593D	GateKeeper EZ-159 Kit with 3-D Sensing Beam

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# G.A.L. Door Operator Rollers

## Replacement Rollers

Adams is the leading manufacturer of replacement G.A.L. door hanger rollers. You can count on the G401M for long life and reliability, and reduce the number of door-related call-backs while improving the overall quality of your G.A.L. installation.

- **Hubs:** Precision machined cast aluminum.
- **Tire:** Adams' own **low-friction LFX<sup>70</sup>™ Durabond™ polyurethane** goes into every smooth- and quiet-running tire. LFX<sup>70</sup>™ is as tough as any material now in use for door rollers. It resists breaking, cracking, and wear, and eliminates the need for a wiper.
- **Bearings:** Special low-friction bearings make the G401M one of the true "easy riders." To ensure concentricity and long life, rollers are machined after the bearings are installed.

Part Number	Description
<b>G401M</b>	Door hanger roller kit: includes (1) roller, (7) washers, and complete installation instructions. (Replaces G.A.L. NH roller kit.)
<b>G401AM</b>	Door hanger roller with axle stud

## Replacement Wipers

Replacement felt wiper impregnated with light oil for superior cleaning action. *Not required with G401M superior-quality polyurethane tire.*

Part Number	Description	Units in Package
<b>G401W</b>	Replacement felt wiper for G.A.L. original roller (Replaces G.A.L. HH-1-2-E.)	1
<b>G401WX</b>	100-Pack of G401W wipers	100

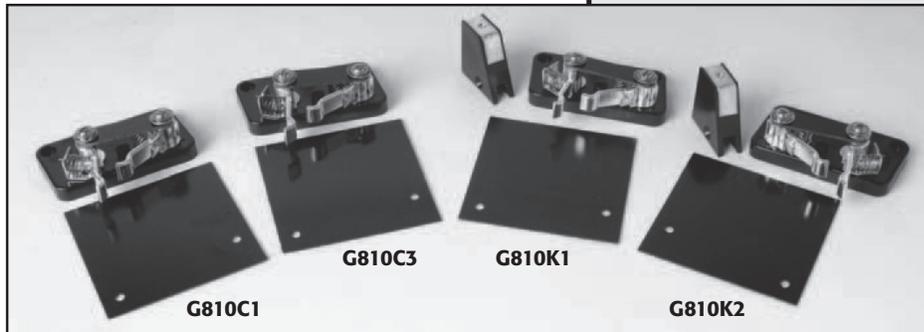
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# G.A.L. Door Operator Interlocks

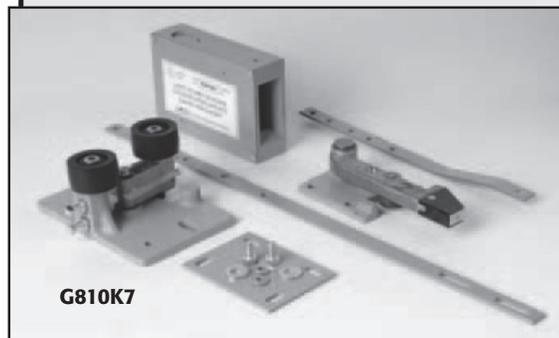
## Contact Assemblies

Part Number	Description	G.A.L. Part Number
<b>G810C1</b>	Contact assembly for MO interlock, RH, complete; includes canvas/phenolic insulator	INT1H-0024R
<b>G810C2</b>	Contact assembly for MO/MOCP interlock, LH, complete; includes insulator; use with G810C3 RH contact assembly	INT1H-0024L
<b>G810C3</b>	Contact assembly for MOCP interlock, RH, complete; includes canvas/phenolic insulator	INT2H-0018R
<b>G810K1</b>	MO contact kit, RH; includes one each: G810C1 contact assembly, G812C1 MO keeper bridging block, canvas/phenolic insulator and mounting screws	INT1H-0036R
<b>G810K2</b>	MO/MOCP contact kit, LH; includes one each: G810C2 contact assembly, G812C1 MO keeper bridging block, canvas/phenolic insulator & mounting screws; use with G810K3 RH contact kit	INT1H-0036L
<b>G810K3</b>	MOCP contact kit, RH; includes one each: G810C3 contact assembly, G812C1 MO keeper bridging block, canvas/phenolic insulator and mounting screws	INT2H-0017R



## Interlock Kits

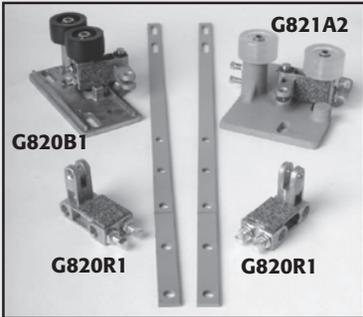
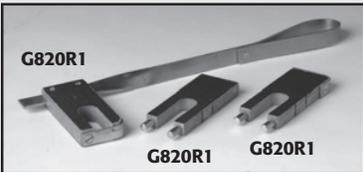
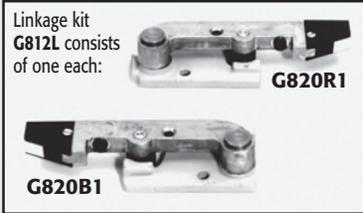
Part Number	Description
<b>G810K4</b>	MOH interlock kit, LH; includes one each: G810B2 switch housing, G812B2 keeper assembly, G812LL lower linkage, and G820B2 MOH horizontal release assembly. (G.A.L. INT1H-0002L)
<b>G810K5</b>	MOH interlock kit, RH; includes one each: G810B1 switch housing, G812B1 keeper assembly, G812LL lower linkage, G812UL upper linkage, and G820B1 MOH horizontal release assembly. (G.A.L. INT1H-0002R)
<b>G810K6</b>	MOM interlock kit, LH; includes one each: G810A2 switch housing, G812A2 keeper assembly, G812LL lower linkage, and G821A2 MOM vertical release assembly.
<b>G810K7</b>	MOM interlock kit, RH; includes one each: G810A1 switch housing, G812A1 keeper assembly, G812LL lower linkage, G812UL upper linkage, and G821A1 MOM vertical release assembly.



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# G.A.L. Door Operator Interlocks & Jumpers



## MO Keeper

Part Number	Description	G.A.L. Part Number
G812A1	MO keeper assembly, RH; includes cast iron mounting base, brass keeper, keeper bridging block contact	—
G812A2	MO keeper assembly, LH; same as above	—
G812C1	MO keeper bridging block contact	INT1H-0017N
G812L	MO adjustable linkage kit; includes one each: G812LL, G812UL	—
G812LL	MO lower linkage; includes snap link pin & lower bushing	INT1H-0026N
G812UL	MO upper linkage; includes snap link pin & retainer clip	INT1H-0018N

## GAL Jumpers

Part Number	Description	G.A.L. Part Number
G30L3	"Tomahawk" with MO jumper head & 10½" long looped handle	INT1H-0035N
G30L2	Double-barrel contact head	INT5-0029N
G30L1	Combination MO jumper head does the job of both jumpers above; no handle.	INT5-0042N

## MOH Horizontal Release & MOM Vertical Release

Part Number	Description	G.A.L. Part Number
G820B1	MOH horizontal release assembly, complete; RH; includes aluminum mounting base, release rocker, clutch rollers, lower actuator link snap link bushing. (Steel G820A1)	INT1H-0022R
G820B2	MOH horizontal release assembly, complete; LH; opposite of G820B1. (Steel G820A2)	INT1H-0022L
G820R1	MOM release rocker; includes set screws, nuts, bumper pad. Can be used for both right- and left-hand applications.	—
G821A1	MOM vertical release assembly, complete; RH; includes cast iron mounting base, release rocker, clutch rollers, lower actuator link, snap link bushing (opposite of G821A2, shown)	INT1M-0033R
G821A2	MOM vertical release assembly, complete; LH;	INT1M-0033L

## MO Interlock

Part Number	Description	G.A.L. Part Number
G810A1	MO interlock switch housing and contacts, RH; complete with mounting plate	INT1H-0013R
G810A2	MO interlock switch housing and contacts, LH; complete with mounting plate	INT1H-0013L
G810B	Interlock mounting bracket used to convert side-opening interlocks to center-opening	—

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# G.A.L. Door Operator Interlock Components

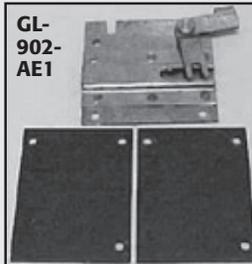
## Interlock Components

Part Number	Description	G.A.L. Part Number
<b>G825</b>	Replacement clutch roller (flat) & shaft; brown heavy-duty poly roller, diameter = 1½"	INT1H-0023N
<b>G825A</b>	Replacement clutch roller & shaft; black Quiet Poly roller, diameter = 1½"; tire radius = 3"	—
<b>G825R</b>	Black Quiet Poly clutch roller & bushing assembly without shaft; same roller as G825A	—
<b>G840</b>	Corridor door lock key, KMO-type (universal)	INT1H-0034N
<b>G841</b>	Type M key for swing doors	INT1H-0129N
<b>G20A1</b>	Movable contact finger for intermediate relay	RH LC-0021R
<b>G20A2</b>	Movable contact finger for intermediate relay	LH LC-0021L
<b>G20C1</b>	Stationary silver contact for intermediate relay; ⅜"-diameter silver contact on threaded hex stud w/nut; 1" length overall	—
<b>G20C2</b>	Stationary carbon contact for intermediate relay; ⅜"-dia. carbon contact on threaded hex stud w/nut	CONT-0001L
<b>KVP840</b>	Door Key Value Pack; includes one each: G840, G841, W824L, W824T, O825A, O825B, O825C	—



## Keeper & Locking Components

Part Number	Description	G.A.L. Part Number
<b>GL-902-AE8</b>	Locking Bar Guide, LH	CLU3-0328L
<b>GL-902-A8</b>	Door Lock Assembly, SM, RH	INT6-0001R
<b>GL-902-C5</b>	Door Lock Assembly, SM, LH	INT6-0001L
<b>GL-902-R4</b>	Interlock, Type "N", LH	INT22-0001L
<b>GL-902-C4</b>	Interlock Roller, 4½" centers	INT5-0025N
<b>GL-902-L8</b>	Roller & Bolt	INT5-0027N
<b>GL-945-H</b>	Gate Switch Assembly, Complete	SW1-0001N
<b>GL-945-M</b>	Operating Cam Assembly	SW1-0010N
<b>G30B1</b>	Keeper Stem Bumper	INT1H-0019N
<b>GL-902-Y1</b>	Locking Bar	
<b>GL-902-Y2</b>	Locking Cam, LH	
<b>GL-902-AA9</b>	Locking Cam, RH	

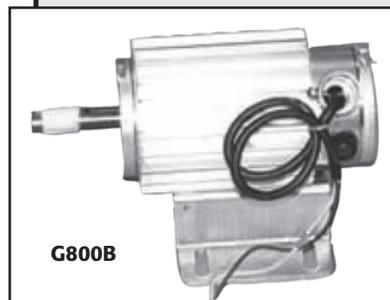


## GAL Door Motor

The G800B replacement motor comes with only two armature leads. OEM-wound field motors (and the older G800A replacement) have 4 leads. Two fewer leads makes installation easier than ever. Connect only the A1 & A2 armature leads. Unused field leads can be taped off and ignored.

### Specifications

Operating voltage	230VDC
HP	1/6
Weight	11.0 lbs.
No-load rpm	1150
Motor type	Perm. magnet
Length, Body/Shaft	6⅞" / 1⅜"
Diameter, Body/Shaft	4⅜" / ⅝"



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## Adams Keyswitches

All Adams keyswitches use our Survivor base and are built with tough Lexan® housings. Choose from 2-, 3-, and 4-position configurations. 2-position switches are rated B300, Q300. All locks are 5-disk tumbler type. Key movement is 12:00/3:00 for 2-pull models; 9:00/12:00/3:00 for 3-pull models; and 6:00/9:00/12:00/3:00 for 4-pull keyswitches.

Keyswitches are available in 1/8" or 1/4" high halos. Order a complete assembly, halo only, base only, keyswitch only, or replacement key. Keyswitches can also be ordered in bronze or stainless cylinders. Keyswitches come with 2-, 4-, or 6-contact bases.

Order the switch and halo style from the table. For a switch not listed, please call CED.

NOTE: All keyswitches listed have 1/8"- high halos. Call for 1/4"-high halos (necessary for swing return stations).

## Ordering Keyswitches

- Choose the function and halo legend** that matches the service configuration you need.
- Select halo style you need:** Survivor, Designer, Classic, or Survivor/PLUS.
- For complete keyswitch assembly:** Order "Switch only" and the halo you need from the appropriate "halo only" style column. [For a complete Survivor keyswitch, order from "Complete keyswitch" column; complete keyswitch includes a Survivor-style halo.]
- Stainless or bronze:** Complete keyswitch part numbers listed are for stainless. To order bronze switches, substitute a "J" for the "K" in the complete-keyswitch part number. For example, for a bronze Survivor assembly of keyswitch number **AS468K01** Fire Service, you would order complete-keyswitch part number **AS468J01**. [To order same switch with a **Classic** halo, order **AS468A101** (switch only) **PLUS AS480B319** (Classic halo only) for stainless; use switch-only part no. **AS468B101** for bronze.]
- Length of Base:** 2 contacts 1.875" deep, 4 contacts 2.375" deep, 6 contacts 3.000" deep.



# Keyswitches

Function	Halo designations/locations				Survivor® Part Number				Designer™ Halo Only*	Classic™ Halo Only*	Survivor/Plus® Halo Only*	Key only	Key Code	Base Contacts	Config.
	12:00	3:00	6:00	9:00	12:00	3:00	6:00	9:00							
Car Call	Off	On	Up	Down	X	M	-	-	A449B113	AS468B113	A448B113	Custom	MAxxx	4	DPDT
					X	M	-	-	A449B114	AS468B114	A448B114	Custom	MAxxx	4	DPDT
Fire Service (Hall)	Off	On	Up	Down	X	M	-	-	A449B113	AS468A113	-	AKC0052A	AE102	4	DPDT
					X	M	-	-	A449B114	AS468A114	-	AKC0052A	AE102	4	DPDT
					X	M	M	-	A449B117	AS468A205	A448B117	Custom	MAxxx	4	SPDT
					X	M	-	M	A449B114	AS468A113	-	AKC0052A	AE102	4	DPDT
2000 Code (Optional Halo)	Off	On	Up	Down	X	X	-	0	A449R181	AS468A101	A448R181	AKC0054A	WD01	4	SP3T
					X	X	-	0	A449R189	AS468A101	A448R189	AKC0054A	WD01	4	SP3T
					X	X	-	0	A449R181	AS468A202	-	AKC0054A	WD01	4	SP3T
					X	X	-	0	A449R181	AS468A218	A448R181	AKC0056	H341	6	SP3T
2000 Code	Off	On	Up	Down	X	X	-	-	A449R187	AS469A17	A448R187	AKC0054A	WD01	2	SPDT
					X	X	-	-	A449R182	AS469A17	A448R182	AKC0054A	WD01	2	SPDT
2000 Code (Optional Halo)	Off	On	Up	Down	X	X	0	0	HRR0192	AS468A101	HRR0192V	AKC0054A	WD01	4	SP3T
					X	X	-	-	HRR0194	AS468A101	HRR0194V	AKC0054A	WD01	4	SP3T
2000 Code	Off	On	Up	Down	X	-	-	-	HRR0187	AS469K14	HRR0187V	AKC0054A	WD01	6	SPDT
Fire Control	Off	On	Up	Down	X	-	-	-	HRR0187	AS469K14	HRR0187V	AKC0054A	WD01	6	SPDT
Panel Control	Off	On	Up	Down	X	-	-	-	HRR0187	AS469K14	HRR0187V	AKC0054A	WD01	6	SPDT

**Notes:**

Blank Keyswitch Halos:

AS450H4B, Survivor, black, 1/8" h  
AS472-12B, Designer, black, 1/8" h

AS450H4R, Survivor, red, 1/8" h  
AS472-12R, Designer, red, 1/8" h

Keyswitch Legend: X = Keypull at that location 0 = No keypull - = No function M = Momentary contact/spring return

# Keyswitches



ADAMS PRODUCTS

Function	Halo designations/locations				Keypulls				Survivor® Part Number				Designer™ Halo Only*	Classic™ Halo Only*	Survivor/Plus® Halo Only*	Key only	Key Code	Base Contacts	Config.
	12:00	3:00	6:00	9:00	12:00	3:00	6:00	9:00	Complete Keyswitch	Switch Only	Halo Only*	Halo Only*							
Fire Service (Car)	Hold	On	Fire Service	Off	X	X	X	X	AS468K05	AS468A201	A449R186	HBD0186R	AS480R386	A448R186	AKC0054A	WD01	4	SP3T	
	Hold	On	Fire Service	Off	X	X	X	X	AS468K25	AS468A116	A449R186	HBD0186R			AKC0054A	WD01	4	*	
	Hold	On	Fire Service	Off	X	X	X	X	AS468K13	AS468A102	A449R186	HBD0186R	AS480R386	A448R186	AKC0054A	WD01	6	SP3T	
Phase II	Hold	On	Fire Service	Off	X	X	X	X	AS468K29	AS468A123	A449R186	HBD0186R				H341	6	SP3T	
	Off	On	Fire Service	Off	X	0	0	0	AS469K01	AS469A02	A449R182	HBD0182R			AKC0054A	WD01	2	SPDT	
2000 Code (Optional Halo)	Off	On	Fire Recall	Off	X	0	0	0	AS469K20	AS469A02	A449R187	HBD0187R			AKC0054A	WD01	2	SPDT	
	Hold	On	Fire Operation	Off	X	0	0	0	AS468K32	AS468A149	HRR0190			HRR0190V	AKC0054A	WD01	4	SP3T	
Fan	Off	On	Fan	Off	X	X	X	X	AS469K12	AS469A05A	HRR0195								
	High	Med	Low	Off	X	X	X	X	AS468K21	AS468A207	A449B109	HBD0109W	AS480B309	A448B109	AKC0051	MM101	2	SPDT	
	High	Low	Fan	Off	X	X	X	X	AS468K02	AS468A104	A449B123	HBD0123W	AS480B323	A448B123	AKC0051	MM101	4	*	
Fan/Light	Light	Fan	Low	Off	X	X	X	X	AS468K03	AS468A104	A449B110	HBD0110W	AS480B310	A448B110	AKC0051	MM101	4	SPDT	
	Light	High	Low	Off	X	X	X	X	AS468K20	AS468A207	A449B112	HBD0112W	AS480B312	A448B112	AKC0051	MM101	4	SPDT	
Photo Eye	Off	On	Fan/Light	Off	X	X	X	X	AS469K10	AS469A05A	A449B111	HBD0111W	AS480B322	A448B122	AKC0051	MM101	4	*	
	Off	On	Photo Eye	Off	X	X	X	X	AS469K07	AS469A05	A449B104	HBD0104W	AS480B304	A448B104	AKC0051	MM101	2	SPST	
Motor/Generator	Off	On	Top Eye	Off	X	X	X	X	AS469K08	AS469A05	A449B105	HBD0105W	AS480B305	A448B105	AKC0051	MM101	2	SPDT	
	Off	On	Bottom Eye	Off	X	X	X	X	AS469K09	AS469A05	A449B106	HBD0106W	AS480B306	A448B106	AKC0051	MM101	2	SPDT	
Off/On	Off	On	M/G	Off	X	X	X	X	AS469K15	AS469A05	A449B101	HBD0101W	AS480B301	A448B101	AKC0051	MM101	2	SPDT	
	Off	On	M/G	Off	X	X	X	X	AS468K19	AS468A111	A449B121	HBD0121W	AS480B321	A448B121	AKC0051	MM101	6	*	
Emergency	Run	Stop	M/G	Start	X	M	M	M	AS468K21	AS468A212	A449B102	HBD0102W	AS480B302	A448B102	AKC0051	MM101	4	*	
	Run	Stop	Code Blue	Run	X	X	X	X	AS468K28	AS468A113	HBR0150			AS458-10*	AKC0052A	AE102	4	DPDT	
Service	Off	On	Hosp. Service	Off	X	0	0	0	AS468K22	AS468A109	A449B118	HBD0118W	AS480B318	A448B118	AKC-0051	MM101	4	DPDT	
	Off	On	Ind. Service	Off	X	X	X	X	AS468K23	AS468A209	A449B118	HBD0118W			AKC-0051	MM101	4	DPDT	
Access	Off	On	Access	Down	X	X	X	X	AS469K02	AS469A07	A449R184	HBD0184R	AS480R384	A448R184	AKC0052A	AE102	2	SPDT	
	Off	On	Access	Down	X	X	X	X	AS469K16	AS469A05	A449R183	HBD0183R	AS480R383	A448R183	AKC0051	MM101	2	SPDT	
Inspection	Off	On	Inspection	Down	X	M	M	M	AS469K21	AS469A04C	A449R188	HBD0188R	AS480R388	A448R188 (Blk)	AKC0052A	AE102	2	DPST	
	Off	On	Inspection	Down	X	M	M	M	AS468K26	AS468A409	A449R188	HBD0188R			AKC0052A	AE102	4	DPDT	
Floor Disconnect	Off	On	Inspection	Off	X	X	X	X	AS468K28	AS468A113	HBR0150			AS458-10*	AKC0052A	AE102	4	DPDT	
	Off	On	Inspection	Off	X	X	X	X	AS468K31						AKC0052A	AE102	4	DPDT	
Light	Off	On	Light	Off	X	X	X	X	AS469K03	AS469A07	A449R185	HBD0185R	AS480R385	A448R185	AKC0052A	AE102	2	SPDT	
	Off	On	Light	Off	X	X	X	X	AS469K05	AS469A05	A449B103	HBD0103W	AS480B303	A448B103	AKC0051	MM101	2	SPDT	
Separate contacts	Off	On	Light	Off	X	X	X	X	AS469K06	AS469A05	A449B107	HBD0107W	AS480B307	A448B107	AKC0051	MM101	2	SPDT	
	Off	On	Light	Off	X	X	X	X	AS468K12	AS468A103	A449B115	HBD0115W	AS480B315	A448B115	AKC0053	GG101	6	*	
Floor Disconnect	Off	On	Access	Down	X	M	M	M	AS468K14	AS468A114	A449B115	HBD0115W			AKC0053	GG101	4	*	
	Off	On	Access	Down	X	M	M	M	AS469K22	AS469A04	A449B128	HBD0128W	AS480B328	A448B128	AKC0053	GG101	2	SPDT	
Light	Off	On	Inspection	Off	X	X	X	X	AS469K13	AS469A04	A449B116	HBD0116W	AS480B316	A448B116	AKC0053	GG101	4	DPDT	
	Off	On	Inspection	Off	X	X	X	X	AS468K24	AS468A309	A449B116	HBD0116W			AKC0053	GG101	4	DPDT	
Light	Off	On	Light	Off	X	X	X	X	AS469K17	AS469A15	A449B118	HBD0118W			AKC0052A	AE102	2	SPDT	
	Off	On	Light	Off	X	X	X	X	AS469K18	AS469A13	A449B118	HBD0118W			(Unique)	Mxxx	2	SPDT	
Light	Off	On	Light	Off	X	X	X	X	AS469K19	AS469A05	A449B118	HBD0118W			AKC0051	MM101	2	SPDT	
	Off	On	Light	Off	X	X	X	X	AS469K11	AS469A05A	A449B108	HBD0108W	AS480B308	A448B108	AKC0051	MM101	2	SPST	

Notes: \*Separate contacts  
 Keypull Legend: X = Keypull at that location 0 = No keypull -- = No function M = Momentary contact/spring return

Notes:  
 2-Contact Base=1.875" d; 4-Contact Base=2.375" d; 6-Contact Base=3.0" d  
 Halo for Code Blue: HBR0150-Blue Halo Survivor Style HBR0190-Red Halo  
 RUN/STOP Vandal-resistant halos: A448R188 = black halo A448R190 = red halo  
 AS458-10 = #4 stainless, engraved w/red fill; fits into coined pocket

Questions? Answers at...  
 Western US: 866 CED-ELEV Eastern US: 866-253-2915  
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970



# KE Terminal Limit Switch

The electronic replacement for obsolete mechanical switches

**Easy to Install—Nothing to Maintain**

The KE Terminal Limit Switch's breakthrough design features magnetic actuators mounted in the elevator shaft for consistent activation, without the wear and tear of traditional roller-arm switches. You'll experience noiseless operation, improved ride quality and a longer maintenance-free life.

**How It Works**

A magnetically activated cartop-mounted switch array is teamed with rail-mounted actuating magnets to provide consistent bi-directional signals that bring out the best in today's microprocessor-based controls.

**Maintenance Free**

KE Terminal Limit Switches are reliable, accurate and require no maintenance. Break free from bulky and noisy mechanical cams and switches and the maintenance they require.

**Advantages**

- Cartop mounting eliminates hoistway rewiring by using available traveling cable conductors
- Straightforward installation on cartop
- Non-contact, noiseless operation—silent inside the car, even on the cartop!
- Rugged, durable switch technology was developed to sense high-speed bullet train position
- Consistent activation flight after flight, year after year
- Set and forget design requires no adjustment or maintenance once installed
- Better price point than competitive magnetic switches

**Many Uses**

- Normal terminal slowdown device
- Emergency terminal stopping device
- Speed-limiting device
- Access limit switch
- Earthquake car-to-counterweight switch
- Not for final limits, which must be mechanical per code

Part Number	Description
KE-8	Car speed: 0 to 350 fpm 8 switches, 8 lanes
KE-14	Car speed: 350 to 1400 fpm 14 switches, 14 lanes

**Questions? Answers at...**

Western US: 866 CED-ELEV Eastern US: 866-253-2915  
 or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

# LEDs for Adams Fixtures

## LEDs for Survivor Base

These LEDs will work with Adams Survivor® base jewel or button including Survivor, Designer, Classic, Homelift and Survivor Plus (Sold in 10-packs; base sold separately, see page 1.19).

Part Numbers		
Red	Amber	Voltage AC/DC
A494LR0*	—	Phone*
A494LR1	A494LW1	6
A494LR2	A494LW2	12
A494LR3	A494LW3	24/28
A494LR4	A494LW4	48/60
A494LR5	A494LW5	120
—	A494LW7	240



**AS451A-02**  
Survivor base for  
LED Illumination

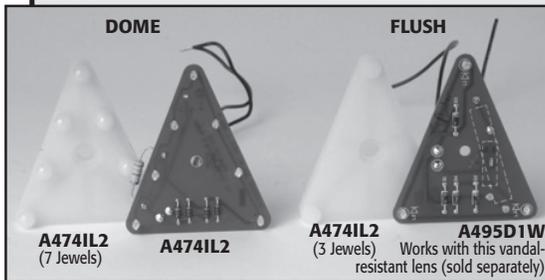


**A494LW1**

**AS451A-02**  
Survivor base

## 7-jewel LEDs for A474IL Triangular Hall Lanterns

Part Numbers			
Green	Red	Amber	Voltage AC/DC
A495I1G2	A495I1R2	A495I1A2	24
A495I2G2	A495I2R2	A495I2A2	48
A495I3G2	A495I3R2	A495I3A2	60
A495I4G2	A495I4R2	A495I4A2	120
A495I5G2	A495I5R2	A495I5A2	240



**A474IL2**  
(7 Jewels)

**A474IL2**

**A474IL2**  
(3 Jewels)

**A495D1W**  
Works with this vandal-resistant lens (sold separately)

## LEDs for A474FL Hall Lanterns

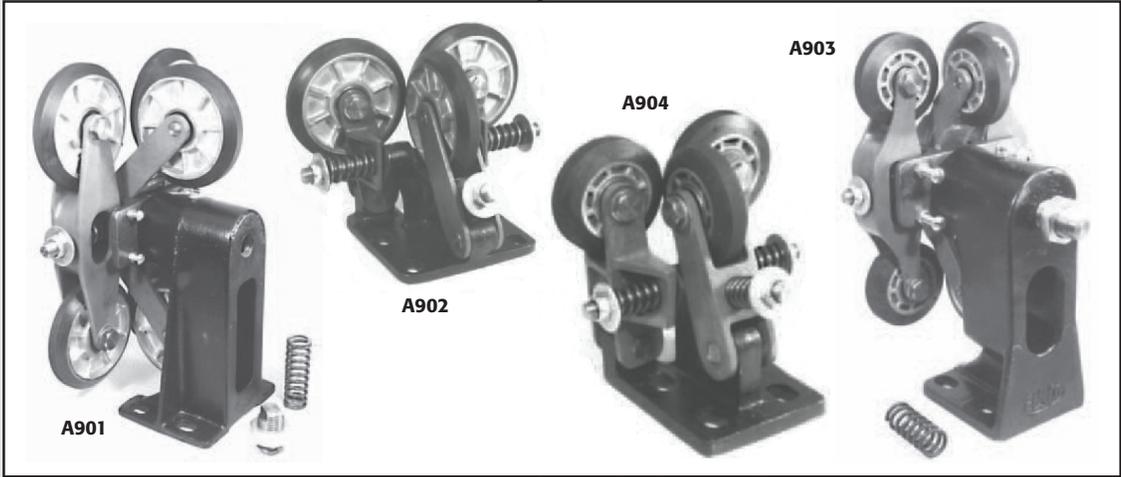
(3-jewel units to replace existing A495D-series)

Part Numbers			
Green	Red	Amber	Voltage AC/DC
A495D0G	A495D0R	A495D0W	12
A495D1G	A495D1R	A495D1W	24/28
A495D2G	A495D2R	A495D2W	48
A495D3G	A495D3R	A495D3W	60
A495D4G	A495D4R	A495D4W	120

**Questions? Answers at...**

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# Rollers Dover & ElSCO



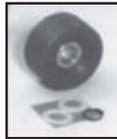
### ElSCO™ Roller Guides

Genuine ElSCO roller guides and guide wheels. Wheels on all models are fitted with Neoprene tires. Increase the load capacity of A901 and A902 by replacing the Neoprene wheels with Adams SPx80 Quiet Poly rollers (sold separately).

Part Number	Recommended Application
A901	High-speed passenger and heavy-duty freight elevator six-wheel guide with adjustable stops.
A902	Moderate-speed and moderate-capacity elevator with adjustable stops.
A903	A smaller version of the A901. Designed for many elevators and counterweights.
A904	For low-speed & low-load elevators and moderate-speed counterweights.

Part Number	Number of Wheels	Wheel Diameter	Cab Capacity			Speed		ELSCO Part Number
			Passenger	Freight	Counterweight	Passenger/Freight	Counterweight	
A901	6	6"	8000lbs.	12,000lbs.**	N/A	1500ft./min.	N/A	Model A
A902*	3	6"	4500lbs.	6000lbs.**	8000lbs.	700ft./min.	1400ft./min.	Model B
A903	6	3 1/4"	2500lbs.	N/A	8000lbs.	400ft./min.	800ft./min.	Model C
A904*	3	3 1/4"	2000lbs.	2000lbs.	4000lbs.	250ft./min.	800ft./min.	Model D

\*Sold only in sets of 2.  
\*\*When modified with Adams SPx80™ Quiet Poly rollers (sold separately).



### Dover Door Clutch Replacement Roller Kit

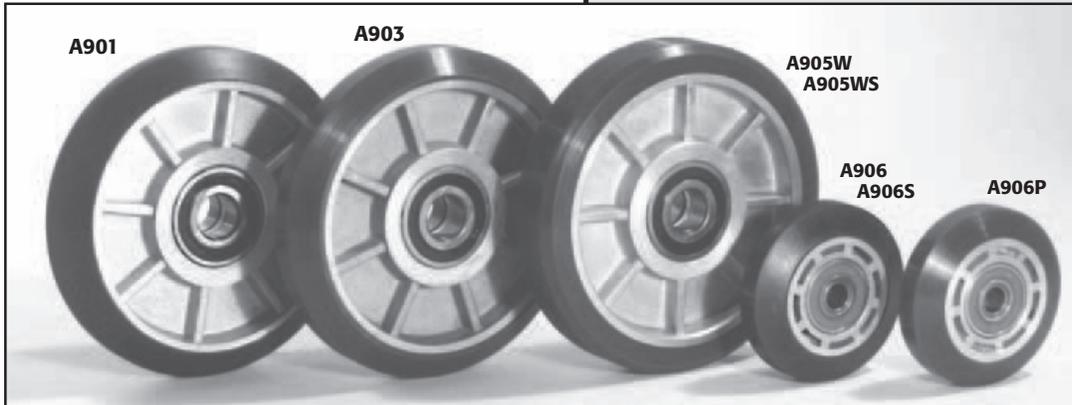
Kit includes 1 5/8"-dia. poly roller, nylon washers and retaining clip.

Part Number **D803R1**  
(Replacement for Dover parts 9838351 & 63835)

**Questions? Answers at...**

Western US: 866 CED-ELEV Eastern US: 866-253-2915  
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

# Rollers ElSCO



## ElSCO™ Replacement Roller Guide Wheels

Adams replacements for ElSCO roller guide wheels are meticulously machined, then concentrically ground to within 0.002" total indicator run-out.

The two precision ball bearings in each wheel are fully sealed, and protected by neoprene and metal shields. You won't find a better-made replacement roller for ElSCO roller guide assemblies.

Looking for the quiet ride of rubber with the durability of polyurethane? Consider Adams' exclusive SPx<sup>80</sup>™ Quiet Poly Durabond™ tires. You get the quiet ride of rubber, plus longer life and greater resistance to ozone and petroleum products that invade the hoistway. Choose from quiet-running SPx<sup>80</sup> Quiet Poly or HDx95™ Heavy-Duty Durabond

Tires are beveled to give smooth-running roller surfaces around the entire roller circumference.

**Accept no substitutes!** These replacement roller guide wheels are designed to be used exclusively with the ElSCO roller guide assemblies shown on the facing page.

**For high-speed elevators,** order **A905S**, **A905WS**, and **A906S** Quiet Poly rollers.

**For high-capacity elevators,** your best choice is HDx95 Heavy Duty: **A905P** face roller, **A905W** side roller, and **A906P**.

**Color Key for Adams Poly**  
Red = LFx80 Low Friction  
Black = SPx80 Soft  
Clear = HDx95 Heavy Duty

## Replacement Guide Wheels

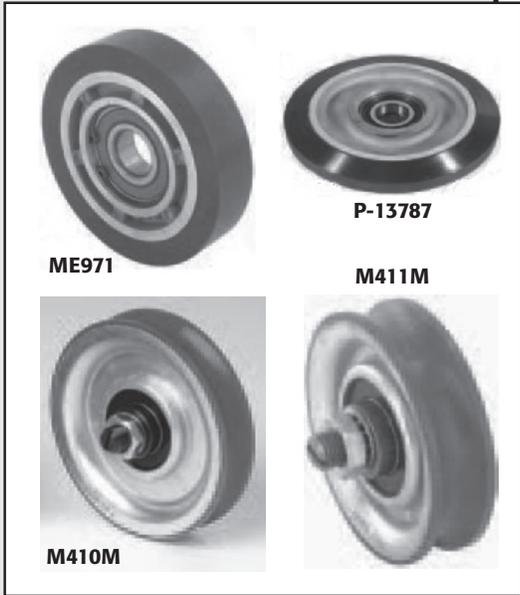
Part Number	Diam.	Width	Face	Bore	Tire Material	For use on	ElSCO Part Number
A905S	6"	1 1/4"	1/2"	0.7874"	SPx80 Quiet Poly	Model A	18359
A905P	6"	1 1/4"	1/2"	0.7874"	HDx95 Heavy-Duty	high-speed	XELA-48
A905W	6"	1 1/4"	7/8"	0.7874"	HDx95 Heavy-Duty	& Model B	—
A905WS	6"	1 1/4"	7/8"	0.7874"	SPx80 Quiet Poly	roller guides	—
A906S	3 1/4"	3/4"	1/2"	0.4724"	SPx80 Quiet Poly	Models C&D	18405
A906P	3 1/4"	3/4"	1/2"	0.4724"	HDx95 Heavy-Duty	roller guides	XELC-41

## Roller Guide Components

Part Number	Description
EC-600-A	Spring
EC-600-B	Spring
EC-600-C	Hub Spring
EC-900-A	Guide Roller, 10" elSCO ex02002
EC-900-A3	Adj. Stop Kit (set of 4) for Model C
EC-900-C3	Roller Guide Coverplate kit (Model B)
EC-900-C4	Roller Guide Coverplate kit (Model C)
EC-900-C6	Roller Guide Coverplate kit (Model D)
EC-900-G	Adj. Stop angle (set of 12pcs. ((Model B)
EC-900-H1	10" Roller Guide Assm. (Each)
EC-900-K	Wheel Stud
EC-900-X	Roller

## Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915  
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970



# Rollers Kone/Montgomery

## New Durabond SPx<sup>80™</sup>— quiet performance, long life

In-house manufacturing of Montgomery rollers ensures strict adherence to specifications.

Looking for a quiet guide roller? Adams SPx<sup>80™</sup> Quiet Poly Durabond™ guide rollers give the quiet ride of rubber... plus these advantages:

- Last longer than rubber
- Stand up to petroleum products that invade hoistway and reduce roller life
- Resist ozone degradation

Durabond poly is noted for its durability, adhesion to the hub, and quiet running. A lot of other polyurethane formulations look like Durabond, but none perform like Durabond.

Adams HDx<sup>95™</sup> Heavy-Duty Durabond® polyurethane is used for heavy-duty guide roller performance.

LFx<sup>70™</sup> is the super-hard, low-friction Durabond poly formulation that you'll find on all Adams replacement door hanger rollers.

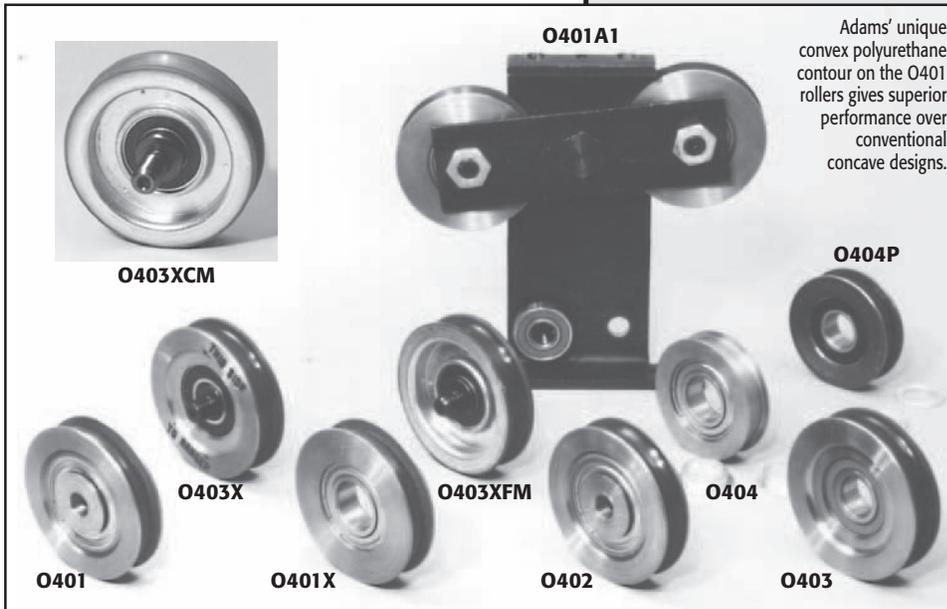
Part Number	Description	Poly Tire	Poly Color	OEM Part No.
M410M	Door hanger roller for MAC door operator; 3 <sup>5</sup> / <sub>8</sub> "-O.D. polyurethane tire with <sup>1</sup> / <sub>2</sub> " concave radius; includes <sup>7</sup> / <sub>16</sub> -20 threaded axle stud with hex jam nut	LFx <sup>70</sup>	Red	P-31344 MAP-344
M411M	Door hanger roller for MAC door operator; 2 <sup>7</sup> / <sub>8</sub> "-O.D. polyurethane tire with <sup>1</sup> / <sub>2</sub> " concave radius; includes <sup>7</sup> / <sub>16</sub> -20 threaded axle stud with hex jam nut	LFx <sup>70</sup>	Red	P-31341 MAP-341
ME971	Roller guide wheel for hydraulic elevators and escalators; precision-machined aluminum hub with 3 <sup>1</sup> / <sub>16</sub> "-O.D. tire, <sup>7</sup> / <sub>8</sub> "W; bearing I.D. = 0.7874"	HDx <sup>95</sup>	Clear	P-12963 P-12908
P-13787	Roller guide wheel 6.5" diam.			

Color Key for Adams Poly  
Red = LFx80 Low Friction  
Black = SPx80 Soft  
Clear = HDx95 Heavy Duty

**Questions? Answers at...**

Western US: 866 CED-ELEV Eastern US: 866-253-2915  
or 866-233-3538 • Fax 562-427-8429 or 860-256-2211 • Fax 860-290-8970

# Rollers Otis



Adams' unique convex polyurethane contour on the O401 rollers gives superior performance over conventional concave designs.

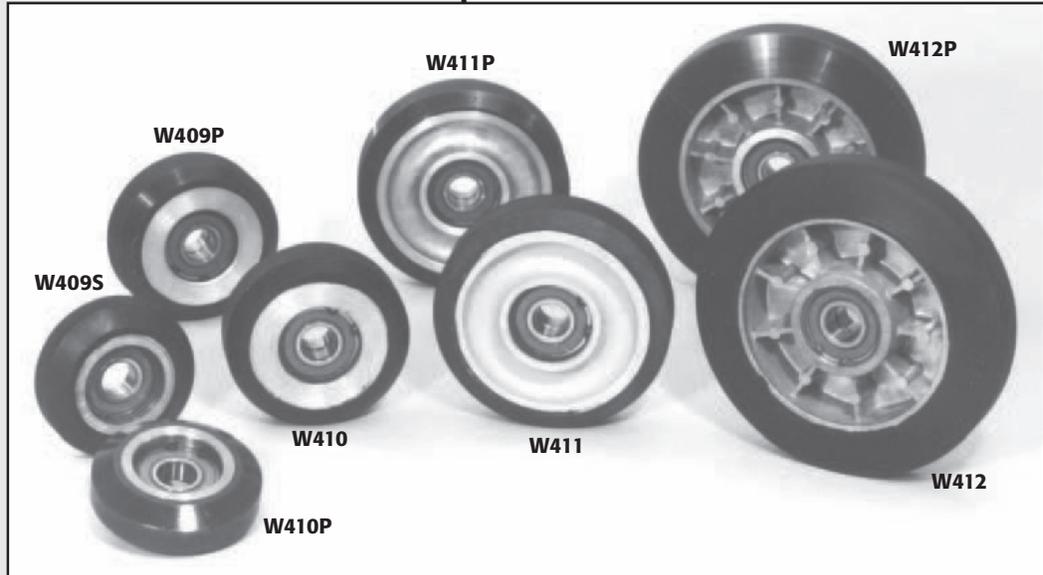
Part Number	Description	Roller Dimensions			Materials		Otis
		Diameter	Thickness	Bearing ID	Hub	Tire	Part Number
O401	Hanger roller with convex surface; for type AU & 6178A flat track hangers	3¼"	1½"	0.500" (bushed)	Solid Steel	HDx <sup>95</sup> ™ Poly	A456W1
O401HP	Same as O401, with low-friction hard poly	3¼"	1½"	0.500" (bushed)	Solid Steel	LFx <sup>70</sup> ™ Poly	A456W1
O401A1	Teeter-bar hanger with two O401 rollers and one O410 up-thrust roller; for heavy doors	3¼"	1½"	0.500" (bushed)	Solid Steel	HDx <sup>95</sup> ™ Poly	368203907
O401X	Hanger roller with convex tire surface; for Type "A" (6178A) hangers	3¼"	1½"	0.9843"	Solid Steel	HDx <sup>95</sup> ™ Poly	456W1
O402	Hanger roller for AU & 6178A hangers; concave roller surface	3¼"	1½"	0.500"	Solid Steel	HDx <sup>95</sup> ™ Poly	A456EA1
O402HP	Same as O402, with low-friction	3¼"	1½"	0.500"	Solid Steel	LFx <sup>70</sup> ™ Poly	A456EA1
O403	Hanger roller with 1½" radius on concave surface	3¾"	1¾"	0.7874"	Solid Steel	HDx <sup>95</sup> ™	456CX4
O403X	Hanger roller with eccentric axle stud, steel hub	3¾"	1¾"	n/a	Solid Steel	HDx <sup>95</sup> ™	456DH1
O403XCM	Hanger roller, projection welded; eccentric axle has ½"-20 thread and ¾" socket, machined hub	3¾"	1¾"	n/a	Machined	HDx <sup>95</sup> ™ Poly	456DH2
O403XFM	Hanger roller, projection welded; eccentric axle has ½"-20 thread and ¾" socket, machined hub	3¾"	¾"	n/a	Machined	HDx <sup>95</sup> ™ Poly	456EW1
O404	All-steel hanger roller for integral hoistway hanger	2¾"	1½"	0.785"	Steel	Steel	456CC1
O404HP	Same as O404, with low-friction hard poly tire	2¾"	1½"	0.785"	Steel	LFx <sup>70</sup> ™	456CC1
O404P	Same as O404, with heavy-duty poly tire	2¾"	1½"	0.785"	Steel	HDx <sup>95</sup> ™	456CC1

### Questions? Answers at...

Western US: 866 CED-ELEV Eastern US: 866-253-2915  
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# Rollers Schindler/Westinghouse

Replacement Wheels for  
Westinghouse Guide Roller Assemblies



You can't get a quieter riding guide roller than Adams' SPx<sup>80</sup>™ Quiet Poly. SPx<sup>80</sup>™ gives you the quiet ride you enjoy with rubber, plus these added advantages:

- Quiet Poly guide rollers last longer than rubber
- Quiet Poly stands up to petroleum products that invade the hoistway and reduce roller life
- Quiet Poly resists ozone degradation

Part Number	Description	Diameter	Width	Tire Material	Bearing Bore	Westinghouse Part Number
W409P	Steel-hub counterweight roller guide wheel	3"	1.000"	HDx <sup>95</sup> ™ poly	0.6693"	144A277G02
W409S	Steel-hub counterweight roller guide wheel	3"	1.000"	SPx <sup>80</sup> ™ Quiet Poly	0.6693"	144A277G02
W410	Cast aluminum roller guide wheel	3½"	1.250"	Rubber	0.6693"	M5594G04
W410P	Cast aluminum roller guide wheel	3½"	1.250"	HDx <sup>95</sup> ™ poly	0.6693"	M5594G04
W411	Cast aluminum roller guide wheel	4½"	1.250"	Rubber	0.6693"	M5594G02
W411P	Cast aluminum roller guide wheel	4½"	1.250"	HDx <sup>95</sup> ™ poly	0.6693"	M5594G02
W411S	Cast aluminum roller guide wheel	4½"	1.250"	SPx <sup>80</sup> ™ Quiet Poly	0.6693"	M5594G02
W412	Cast aluminum roller guide wheel	6"	1.200"	Rubber	0.6693"	323C160G01
W412P	Cast aluminum roller guide wheel	6"	1.200"	HDx <sup>95</sup> ™ poly	0.6693"	323C160G02
W412S	Cast aluminum roller guide wheel	6"	1.200"	SPx <sup>80</sup> ™ Quiet Poly	0.6693"	323C160G02
W416	Guide roller (not pictured)	10¼"	1.250"	Rubber	0.6693"	M5594G05
146A988H01	Shaft for face roller of 627D989G03 RGS ASSY (not pictured)					
576B710H01	Shaft for face roller of 627D989G03 RGS ASSY (not pictured)					

Color Key for Adams Poly  
 Red = LFX80 Low Friction  
 Black = SPX80 Soft  
 Clear = HDX95 Heavy Duty

**Questions? Answers at...**

# Spirators Door Bumpers

## Universal Standard- & Heavy-Duty Spirators

### True universal mounting format in two long-lasting models

Choose from two models of reel-type door closers with universal hub design. Both models include retaining ring and nylon washer.

#### Heavy-duty Spirator

Comes complete with a heavy-duty rewind tension spring and heavy-duty cable terminal for use with heavy elevator doors.

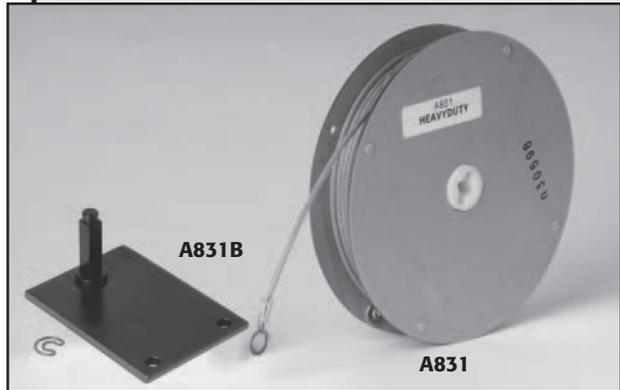
#### Standard-duty spirator

Works best with light- to middle-weight doors.

#### Square-Peg Mounting Bracket

This mounting bracket with "snake eyes" works with either model. It also mounts spirators from other manufacturers.

Part Number	Description
<b>A831</b>	5"-dia. heavy-duty spirator with heavy-duty rewind tension spring and cable terminal.
<b>A832</b>	5"-dia. standard-duty spirator w/nylon runner.
<b>W832</b>	6"-dia. standard-duty spirator w/nylon runner.
<b>A831B</b>	Mounting bracket for Adams and other spirators.



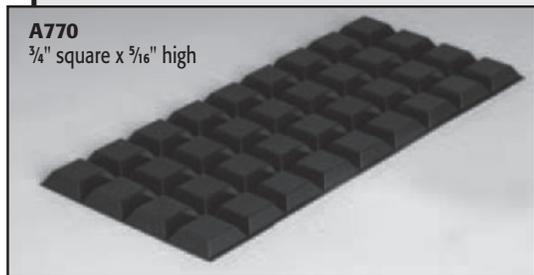
## Door Bumpers

### The economical way to silence closing elevator doors

Self-adhesive bumper pads attach to door jamb, and stay put. They take the hit of noisy doors as they close, and deaden the sound. No more metal against metal.

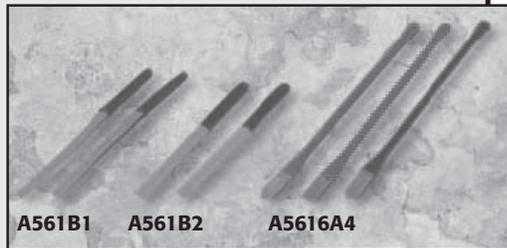
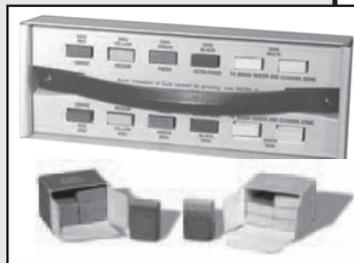
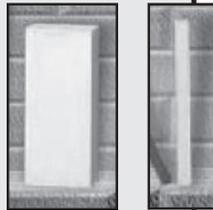
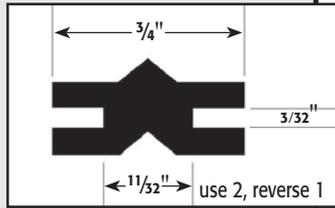
Sold in strips of 36 self adhesive bumpers. Just peel off from the backing strip and press into place.

Part Number **A770**



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# Adams Miscellaneous

## Astragal

Makes door closings quieter; seals out light between doors. Flexible black rubber, reversing astragal for 3/8"-wide groove; install one on door, and one on jamb or opposite door. Eight-foot lengths; easily cut to size at job site.

Part Number **A853L**

## Burnishing & Polishing Tools

### Brush Seating Cleaning Stones

Part Number	Dimensions (L W H)	Grade	Qty./box
<b>A5612A1</b>	4 3/4" x 2" x 1 1/4"	Med. Soft	1
<b>A5612A6</b>	4 3/4" x 1/2" x 1/4"	Fine hard	4

### Commutator Treating Kit

Packs into a convenient storage box everything you need for thorough commutator maintenance:

- 2 each: coarse, medium, finish and x-finish
- 4 firm/hard seating stones
- 1 stone holder
- 1 storage case

Part Number **A5613A1**

### Commutator Kit Replacement stones (6/pkg.):

- Part Number **A5614A1** Coarse  
**A5614A2** Medium  
**A5614A3** Finish  
**A5614A4** X-Finish  
**A5614A5** Firm/Hard Seating

### Contact Burnishing Tools

The easy way to polish contacts and remove any non-conductive residual material for safe and reliable operation.

Part Number	Dimensions (L x W x Thickness)	Per pack
<b>A561B1</b>	4" x 3/16" x 0.007"	10
<b>A561B2</b>	3 3/8" x 1/4" x 0.010"	10

### Diamond Spatula Kit

Use premium, long-lasting, non-residual diamond spatulas, the most popular, longest lasting, and in the long run, most economical tools.

Part Number	Description
<b>A5616A4</b>	3-piece spatula kit, <b>includes one each:</b> Coarse-grit spatula (green handle) Medium-grit spatula (red handle) Fine-grit spatula (blue handle, grit on one side only)

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# Adams Miscellaneous

## Chimes, Electronic, with Timer

Replace the harsh, mechanical sound of floor landing bells with our pleasant-sounding electronic chime. Order as a retrofit unit, or specify it next time you install a hall or travelling lantern. Timer sounds once for "up" and twice for "down." All models include pressure-sensitive mounting pads and helpful wiring diagram. Match your voltage range to the models listed at right.

Dimensions: 4"W x 2<sup>3</sup>/<sub>8</sub>"H x 7<sup>1</sup>/<sub>8</sub>"D

Part Number	Voltage/Description
CH024	20/40 VAC/VDC
ACH120	40/125 VAC/VDC
ACH024S	20/40 VAC/VDC; chimes once in both directions (unless controller can send a 2-stroke signal for down).
ACH120S	40/125 VAC/VDC; chimes once in both directions (unless controller can send a 2-stroke signal for down)

NOTE: Adams electronic chimes are UL recognized.



ACH024

## Mini Buzzer

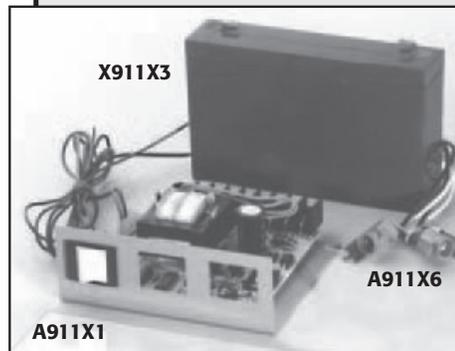
24VAC Mini Nudging Buzzer, Part Number A924C



## Emergency Light Unit & Components

Restore worn or damaged emergency light units with these service ready components.

Part Number	Description
A911	Emergency light unit, complete.
A911LL	Heavy-duty Lexan lens; 6 <sup>3</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>2</sub> " (not shown)
A911X6	2 lamp sockets with wiring harness, bayonet type.
A911X3	Rechargeable battery, 6 volts; 3 <sup>3</sup> / <sub>4</sub> " x 6" x 1 <sup>1</sup> / <sub>2</sub> "
A911X1	6V solid-state PCB with switch assembly, bracket, and wire leads; 5" x 5" x 2" deep.
A911AX	6V/240 Emergency light, PCB only.
A911X1A	6V/240 PCB with switch assembly.
A480L30	Replacement lamp for emergency light unit; 10/pkg.



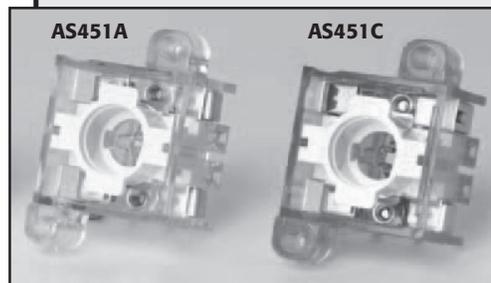
X911X3

A911X6

A911X1

## Survivor® Buttons & Bases

Part Number	Description
AS451A	Contact Base with Lamp Holder (2NO)
AS451A-02	Contact Base for LEDs (2NO)
AS451C	Contact base with Lamp Holder (1NO/1NC)
AS458C2	Illuminated Button & Halo (no base)
AS458C6	Survivor® PLUS Complete Button Assembly, Illuminated, Stainless Steel (1NO/NC)



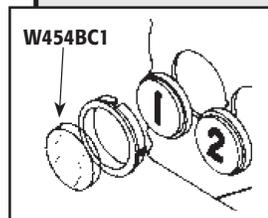
AS451A

AS451C

## Position Indicator Lens Cap

Clear Lens Cap for Position Indicator Lens 146A560H05.

Part Number W454BC1



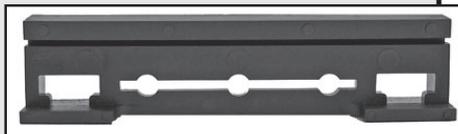
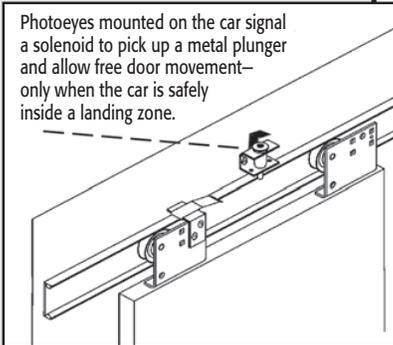
W454BC1

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Photoeyes mounted on the car signal a solenoid to pick up a metal plunger and allow free door movement—only when the car is safely inside a landing zone.



# Adams Miscellaneous

## HatchLatch® Electronic Door Restrictor

### Prevents Unsafe Elevator Cab Openings

Comes standard with all the material you need to protect one elevator, up to five floors. To protect more than 5 floors, order additional reflective tape.

#### Here's how it works:

**Reflective Tape** You position pieces of reflective tape in the hatchway inside the landing zone and on the door operator.

**First Photoeye** When the first of the two photoeyes sees the tape in the hoistway, it senses that the elevator is inside the landing zone.

**Second Photoeye** When the second photoeye sees the tape on the door operator, it picks up a solenoid-controlled plunger.

**Plunger** The plunger rises out of the way, clearing the door roller or blocking bracket as the door opens.

**No Exit! Zone** Between landing zones, the photoeye senses no tape reflection and the plunger holds its door-blocking position.

Part Number	Description
A835A3	EDR Assembly w/Box (includes battery)
A835R2P	Reflective Tape, 2"x150' (for up to 75 floors)

## Soft Stop "Anti-Chatter" Additive

This performance-improving fluid is a special friction modifier that enhances the flow characteristics of most hydraulic systems. It can relieve the "stick-slip" problem on noisy hydraulic cylinders. Not recommended for machines with common systems for hydraulic, transmission, and braking.

Part Number	Description
APO800QC	Adams Soft Stop Hydraulic Additive (32-oz. bottle, 12 quarts/case only)

## Run/Stop Pit Switch

The Adams Run/Stop Pit Switch features a sturdy metal safety guard to help prevent unintentional start-up.

Meets ANSI A17.1, Rules 106.1f and 210.2e/2g. Even conforms to Rule 210.2e(4), not met by many other pit switches.

Part Number	Description
A913	Run/Stop pit switch, complete
A913X	Replacement toggle switch assembly.

## Selector Tape Guide

Nylatron tape guide for W302 selector tape.

Part Number **W875**

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