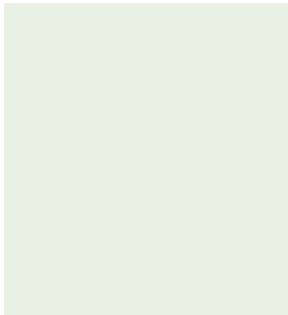
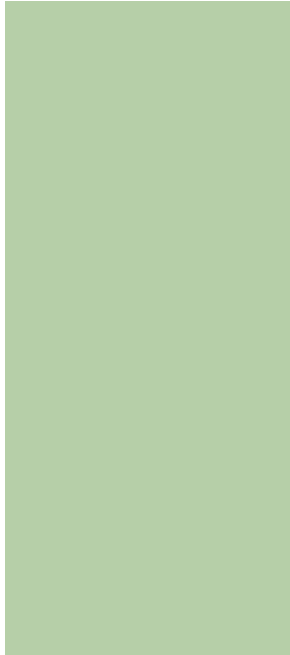


Architectural Door Accessories

ASSA ABLOY

The global leader in
door opening solutions



Markar Continuous Hinges

Why Continuous Hinges?



Hinge failure most commonly begins when doors are opened beyond stop device limits. The resulting kickback shock to the hinges can surpass 1000 lbs. of force. Subsequent racking eventually loosens screws, distorts hinge leaves, pulls open knuckles, damages bearings or creates other serious damage to standard butt hinges as well as the door frame itself.

Markar Continuous Hinges provide the answer by distributing shock forces evenly, significantly reducing wear and tear to the frame and door.

Other important benefits include:

- Enhanced security – prevents insertion of objects between the door and frame
- Easy alignment of electrical transfers and monitoring switches
- Reduced binding
- Less force required to open than butt hinges

There are many different models to choose from with a variety of configurations, options and materials.



About Markar Continuous Hinges

FIRE RATED CONTINUOUS HINGES

Markar stainless steel (3500 Series and 300 Series) and carbon steel (200 Series) hinges are available with two labeling options: Underwriters Laboratories Inc. (standard) and Warnock Hersey Int'l. (available upon request)

- 20 minutes – wood doors
- 90 minutes – hollow metal and composite wcore wood fire doors
- 3 hours – hollow metal doors

MAXIMUM DOOR OPENING

Single Doors: 4' 0" x 10' 0"

Pair of Doors: 8' 0" x 10' 0"

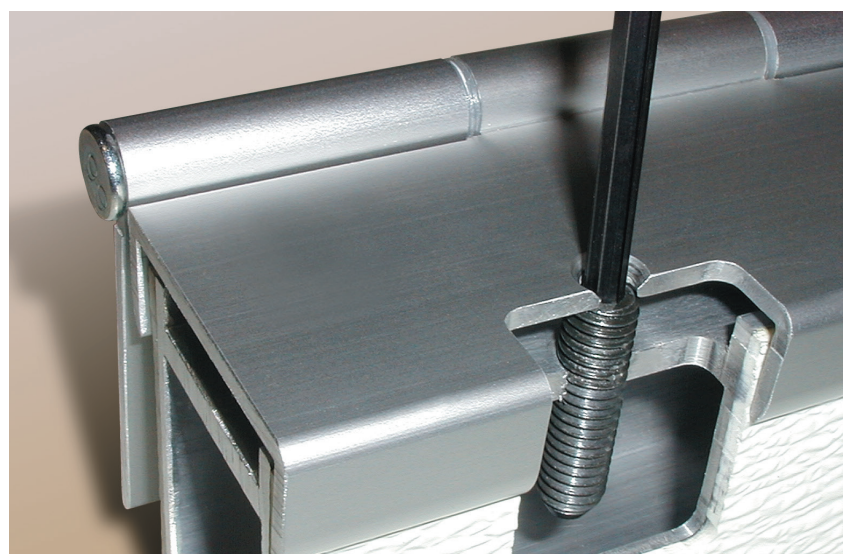
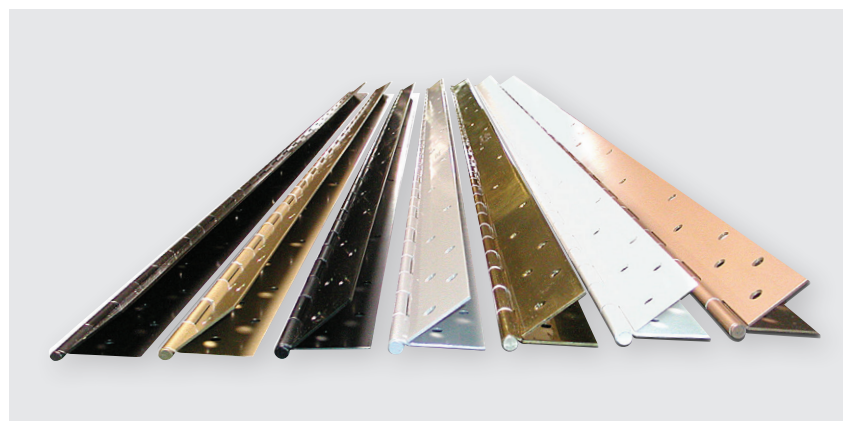
In accordance with Uniform Building Code Standard 7-2 "Fire Test Door Assemblies" and Standard UL10C for positive pressure.

MEDICAL BEARINGS

Medical Bearings are standard on the 3500, 300, 200, and 100 Series pin and barrel hinges. They provide permanently lubricated hinges with no metal to metal contact, improving the life and overall function of the hinge.

UNIQUE ADJUST-A-SCREW™ FASTENER

Optional Adjust-A-Screw™ fasteners can be added to most hinge guard models to permit up to 3/8" width adjustment. Full door length adjustment allow doors to be squared accurately and easily in new installations and existing frames can be used in retrofits. Maintenance staff can make future adjustments to the door by repositioning the Adjust-A-Screw™ fasteners.



HINGE FINISHES:

- Standard powder coat finishes
- Over 84 custom powder coat finishes available. RAL colors available
- Special finishes include polished aluminum and polished stainless
- Special anodized finishes include gold, light bronze, medium bronze, and black

HINGE MODIFICATIONS:

- Special length (Spliced hinge)
- Hospital tip
- Dutch door prep
- Wide throw
- Blank
- Welded end pins
- Plug weld
- Automatic Door Bottom Cut
- Raised barrel (swaged)
- Standard edge guard cut-outs
- Security studs
- Sheared leaf
- Custom hole pattern or design
- Lead lined cover
- ElectroLynx® Current Transfer
- Electrical Transfer Access Prep
- Security Fasteners (Torx)
- Current Transfer Prep
- Electric Power Transfer Units
- Adjustable Monitoring Switch

To learn more about Hinge Modifications see page 11 or the full line catalog.

Pin & Barrel Stainless Steel Security Hinges



The Markar 3500 Series hinges are used for high-traffic, high-abuse doors suited for correctional facilities and other high-security locations. Examples include prison doors, gates, extremely tall doors and extra heavy doors.

STANDARD FEATURES:

- 3/16" diameter stainless steel rod
- Life-long medical bearings
- Hospital tips
- Heavy-duty 12 gauge stainless steel

MODELS AVAILABLE:

- Edge mount
- Full surface
- Full surface / 1/8" inset
- Hinge guard

FIRE RATING:

- Classified in accordance with Uniform Building Code Standard 7-2 for positive pressure
- 20 minutes – wood doors
- 90 minutes – hollow metal and composite core wood fire doors
- 3 hours – hollow metal doors

CERTIFICATIONS:

As part of the integrated system, meets Federal Emergency Management Agency (FEMA) 320 and 361 and ICC 500 requirements, as certified by Underwriters Laboratory. Consult factory for system requirements.

ANSI/BHMA A156.26 Grade 1



Pin & Barrel Stainless Steel Continuous Hinges

The Markar 300 Series is manufactured from heavy-duty 14 gauge stainless steel and are well suited for high-traffic, high-abuse doors. These hinges save on special door and frame preparation charges and makes the installer's job easier. A wide variety of configurations are available, including models with optional Adjust-A-Screw™ fasteners. Edge guards with Adjust-A-Screw™ fasteners allow even more flexibility in retro-fits and new installations.

STANDARD FEATURES:

- 3/16" diameter stainless steel rod
- Life-long medical bearings
- Heavy-duty 14 gauge stainless steel

MODELS AVAILABLE:

- Edge mount
- Full surface / flush mount
- Full surface / 1/8" inset
- Half surface
- Half mortise
- Hinge guard
- Edge guard
- Full surface / swing clear
- Custom hinges available

FIRE RATING:

- 20 minutes – wood doors
- 90 minutes – hollow metal and composite core wood fire doors
- 3 hours – hollow metal doors

CERTIFICATIONS:

As part of the integrated system, meets Federal Emergency Management Agency (FEMA) 320 and 361 and ICC 500 requirements, as certified by Underwriters Laboratory. Consult factory for system requirements.
ANSI/BHMA A156.26 Grade 1



Pin & Barrel Carbon Steel Continuous Hinges



The Markar 200 Series hinge is used on many of today's high-traffic, high-abuse interior doors. It can be used on both fire-labeled and non-labeled openings. Zinc plating is standard on all 200 Series hinges.

STANDARD FEATURES:

- 3/16" diameter stainless steel rod
- Long-life medical bearings
- Heavy-duty 14 gauge 1012 carbon steel
- Zinc Plated

MODELS AVAILABLE:

- Edge mount
- Full surface / 1/8" inset
- Full surface / flush mount
- Half surface

FIRE RATING:

- Classified in accordance with Uniform Building Code Standard 7-2 for positive pressure
- 20 minutes – wood doors
- 90 minutes – hollow metal and composite core wood fire doors
- 3 hours – hollow metal doors

CERTIFICATIONS:

As part of the integrated system, meets Federal Emergency Management Agency (FEMA) 320 and 361 and ICC 500 requirements, as certified by Underwriters Laboratory. Consult factory for system requirements.

ANSI/BHMA A156.26 Grade 1



Pin & Barrel Aluminum Continuous Hinges

The Markar 100 Series hinge is extruded using 6063-T6 aluminum alloy, giving it exceptional strength and durability.

STANDARD FEATURES:

- 3/16" diameter stainless steel rod
- Long-life medical bearings
- Extruded aluminum 6063-T6 alloy

MODELS AVAILABLE:

- Edge mount
- Full surface / 1/8" inset
- Full surface / flush mount
- Half surface
- Edge guard
- Hinge guard

CERTIFICATIONS:

ANSI/BHMA A156.26 Grade 2



Aluminum Pin & Barrel Toilet Partition Hinges



The Markar 400 Series aluminum toilet partition hinge distributes stress along the entire length of the door and eliminates the gap or sightline at the hinge edge.

STANDARD FEATURES:

- Spring-loaded barrel type hinge
- Constructed of extruded aluminum
- Torx adjusting screw – adjust door tension for out-swinging ADA compliance
- Non-handed
- Closes doors up to 80 lbs.
- Split nylon bearings
- Available 24" - 72"

MODELS AVAILABLE:

- Full surface
- Edge mount



Stainless Steel Pin & Barrel Toilet Partition Hinges

Ideal for damp or corrosive environments, Markar stainless toilet partition hinges add years of life to your high-quality partitions.

MARKAR 900 SERIES STANDARD FEATURES:

- Spring-loaded barrel type hinge
- 14 gauge 304 stainless steel
- Torx adjusting screw – adjust door tension for out-swinging ADA compliance
- Non-handed
- Closes doors up to 80 lbs.
- Available 24" - 72"

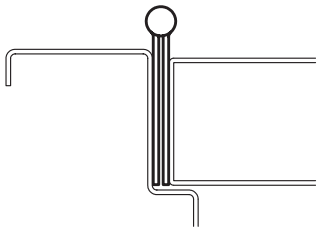
MARKAR MODELS AVAILABLE:

- Edge mount
- Surface mount

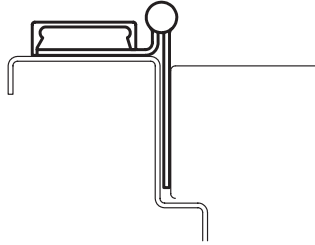


Pin & Barrel

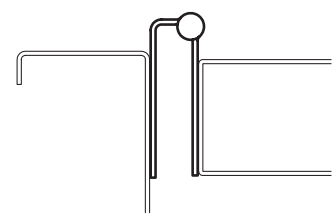
Edge Mount



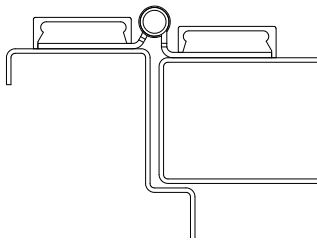
Half Mortise



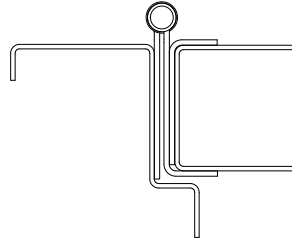
Edge Mount Safety Hinge



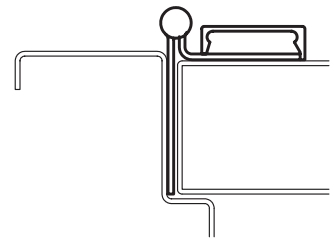
Full Surface 1/8" inset



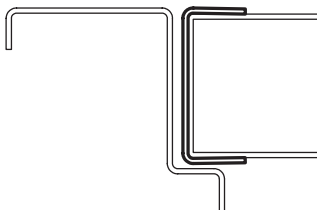
Hinge Guard



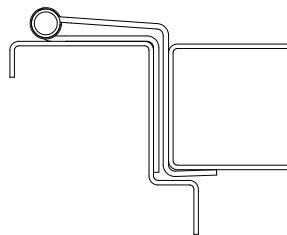
Half Surface



Edge Guard

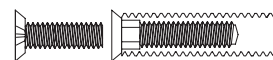


Swing Clear Hinge Guard



Other Available Styles:

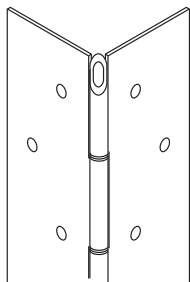
- Full Surface Swing Clear
- Full Surface 3/4" Offset
- Swing Clear Hinge Guard
- Edge Mount Hinge Guard
- Spring Loaded
- Inset Spring Loaded
- Flush Spring Loaded



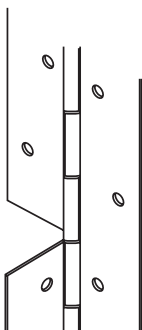
Adjust-A-Screw™ Fasteners are optional on certain hinge guard models, and permit up to $\frac{3}{8}$ " door width adjustment within the channel of the hinge. An adjustable lock-edge fastening system allows an additional $\frac{3}{8}$ " total width adjustment for stainless steel edge guards and a $\frac{1}{8}$ " total width adjustment for aluminum edge guards.

Hinge Modifications

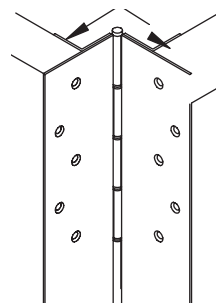
Hospital Tip



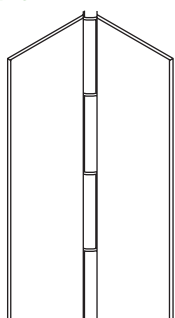
Dutch Door Prep



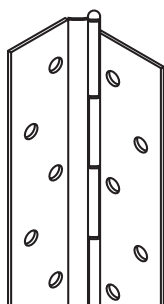
Wide Throw



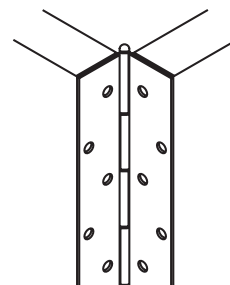
Blank



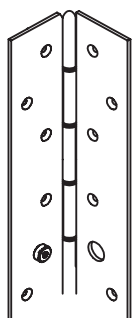
Raised Barrel (Swaged)



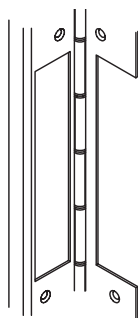
Sheared Leaf



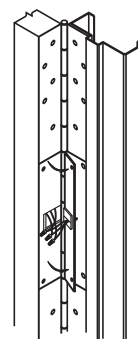
Security Studs



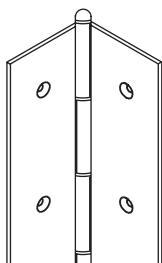
Current Transfer Prep



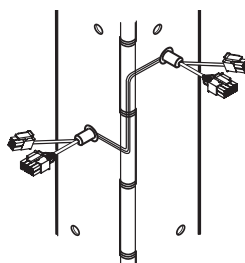
Electrical Transfer Access Prep



Custom Hole Pattern



ElectroLynx® Current Transfer



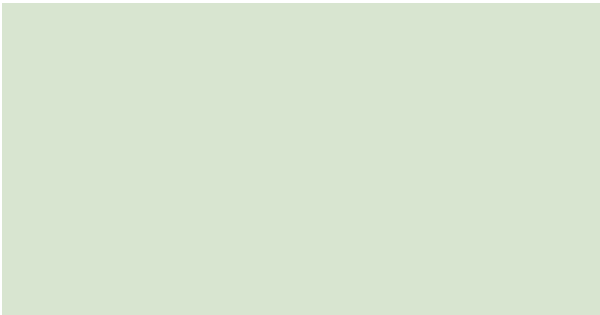
Hardwiring Made Easy™



As part of their promise to provide innovative, fast and effective high security solutions to their customers, certain ASSA ABLOY Group brands offer ElectroLynx®, a universal quick-connect system that simplifies the electrification of the door opening. ElectroLynx® is a registered trademark of ASSA ABLOY Inc.

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

ASSA ABLOY



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