

MARKAR 3500 SERIES STAINLESS STEEL PIN & BARREL CONTINUOUS HINGES

Short Form Architectural Specification:

Continuous hinges shall be full height piano-type hinge providing full height door support.

- Supports weights up to 900 lbs. 4'0" maximum door width
- Material to be 12 gauge (.105) Stainless Steel
- .187" diameter Stainless Steel pin (rod)
- Each knuckle 2", including nylon bearing at each separation for a quiet, smooth, self-lubricating operation
- Finish: US32D Satin Stainless Steel (630)
Optional Finish: US32 Bright Stainless Steel (629),
Scratch-Resistant Powder Coated Paint.
- All hinges shall be furnished with manufacturer's recommended hardware pack per specific model application
- Must be able to carry UL label for fire rated doors and frames up to 3 hours
- Hinges shall meet ANSI/BHMA Standard A 156.26 Grade 1
- Symmetrically templated hole pattern

Note: 25-Year Warranty on Continuous Pin & Barrel Hinges

Note: Fire label for doors and frames should be placed on the header and top rail of fire rated doors and frames

MARKAR FM3500 EDGE MOUNT SECURITY HINGE

Standard Features

Barrel Type Hinge

.187" diameter Stainless Steel pin (rod)

Medical bearings

Stainless Steel end pins

Material

Heavy-duty 12 gauge (.105") Stainless Steel

Finishes

US32D Satin Stainless Steel (630)

Hospital Tip

Standard

Standards

ANSI/BHMA Standard A156.26 Grade 1

Hole Pattern

Symmetrically templated

Mounting Hardware

Fasteners concealed when door is closed

Custom 12-24 x $\frac{7}{16}$ " S.S Phillips Flat Head Undercut Machine Screw

Capacity

Supports weights up to 900lbs. 4'0" maximum door width

Standard Sizes

6'8", 7'0", 7'2", 8'0", 10'0"

Handing

Handing not required on standard hinges. Specify handing when ordering a hinge with modification

Fire Rating

3 hours- hollow metal doors

90 minutes- hollow metal and composite

20 minutes- wood doors

 Classified in accordance with UL10C for positive pressure

 Fire-rated label

Windstorm

Evaluated in accordance with TAS 201-14, TAS 202-14, TAS 203-14, ASTM E330, ASTM E1886, ASTM E1996 and ANSI A250.13.

Optional Features

Finish

US32 Bright Stainless Steel (629)

Scratch-Resistant Powder Coated Paint

Hole Patterns

Plug weld hole pattern

Custom hole pattern

Fasteners

Tamper-proof security screws

Other Features

Custom lengths - specify in inches

Dutch door hinges - suffix "DDP"

Raised barrel - suffix "RB"

Welded End Pins

Security studs

Electrical Modifications

Adjustable Monitoring Switch - suffix "AMS"

Current Transfer Prep - suffix "CTP"

Electrical Transfer Access Prep - "ETAP"

ElectroLynx®

EL4 (4 wire), EL8 (8 wire), EL12 (12 wire)

PoE (9 wire)

This edge mount pin and barrel type hinge is fabricated with extra-heavy duty components for use on high traffic, high abuse doors. The hinge is specially designed and well suited for correctional facilities and other high security locations using up to 2 $\frac{1}{4}$ " thick swing-type doors. Prison doors, gates, extremely tall doors and extra heavy doors are all good candidates for Markar's 3500 Security Hinge.

