

# Markar 300 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 600 lbs. 4' 0" maximum door width
  - Material to be 14 gauge Stainless Steel
  - .187" diameter Stainless Steel pin (rod)
  - Exterior barrel diameter .438" ( $7/16$ " )
  - 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 Warnock Hersey Int. or UL 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 FM300 Edge Mount Hinge

### Standard Features

**Barrel Type Hinge**  
.187" diameter Stainless Steel pin (rod)  
Medical bearings  
Stainless Steel end pins  
**Material**  
Heavy-duty 14 gauge Stainless Steel  
**Finishes**  
US32D Satin Stainless Steel (630)  
**Standards**  
ANSI/BHMA Standard A156.26 Grade 1  
**Hole Pattern**  
Symmetrically templated

**Mounting Hardware**  
Fasteners concealed when door is closed  
Custom 12-24 x  $1\frac{1}{16}$ " S.S Phillips Flat Head Undercut TEK Screws  
**Capacity**  
Supports weights up to 600 lbs. 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.

**Rating**  
3 hours- hollow metal doors  
90 minutes- hollow metal and composite core wood fire doors  
20 minutes- wood doors  
 Classified in accordance with UL10C for positive pressure  
 Fire-rated label  
**Windstorm**  
Evaluated in accordance with TAS 201-94, TAS 202-94, TAS 203-94, ASTM E330, ASTM E1886, ASTM E1996 and ANSI A250.13

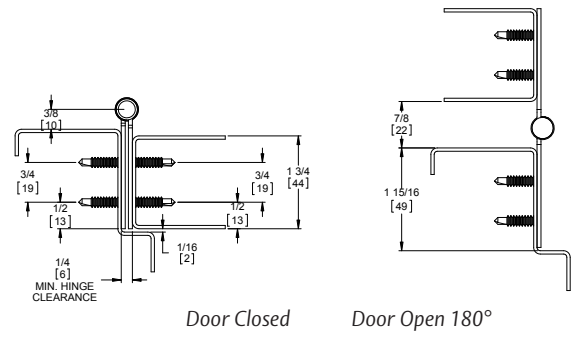
### Optional Features

**Finishes**  
Scratch-Resistant Powder Coated Paint  
**Fasteners**  
Tamper-proof security screws  
**Other Features**  
Custom lengths- specify in inches  
Custom hole pattern

Dutch door hinges- suffix "DDP"  
Hospital tips - suffix "HT"  
Raised barrel - suffix "RB"  
Welded end pins  
Security studs.  
**Electrical Modifications**  
Adjustable Monitoring Switch - "AMS"

Current Transfer Prep - suffix "CTP"  
Electrical Transfer Access Prep - suffix "ETAP"  
ElectroLynx®  
EL4 (4 wire), EL8 (8 wire), EL12 (12 wire)  
PoE (9 wire)

This edge-mounted pin & barrel hinge is used on many of today's high traffic, high abuse doors. The hinge works well in locations that would normally call out for anchor hinges, pivot reinforcement hinges or thrust pivot unit and hinge sets. This hinge saves on special door and frame preparation charges and makes the installer's job easier. It can be used on both fire labeled and non-labeled openings.



800-824-3018 | [www.markar.com](http://www.markar.com)  
Check the web site for the up-to-date catalog

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