

Pin and Barrel Hinges

General Information

Standard Lengths

83", 85", 95", 120"

Custom lengths are available up to 120", consult factory.

Finishes

US32D (630) Satin Stainless Steel

USP (600) Steel, Primed for Paint

Barrel Type

Twin Self Lubricated Nylon Bearings with Stainless Steel Pin.

Door Weight

Each hinge can hold a door up to 600 lbs (Rivet nuts recommended) and a max door width of 4'0".

ANSI Certified

All Ives Pin and Barrel Hinges certified to ANSI 156.26, Grade 1.

UL Listed

All Ives Steel and Stainless Steel Pin and Barrel Hinges are tested and approved UL 10C (3 hr).

Field Modifications

All Ives Pin and Barrel Continuous Hinges can be cut to length during installation. If more than 6" from bottom of hinge, additional modifications may be necessary.

Electrification Options

Only available for the Full Mortise Hinges

Electric Power Transfer (EPT)

Electric power transfer provides a means of transferring power from the door frame to the edge of a swinging door. Ives Continuous Hinges provide cut outs to fit Von Duprin EPT-2, EPT-10 and PNT-1 devices. Consult factory for other EPT cut out options.

Electrical Through-Wire (TW)

Provides electric power transfer from the frame to the door in order to supply power to an electrified mortise or cylindrical locks, exit devices with electric latch retraction, and/or electric strikes (pairs of doors). Through-wire is rated for 3.5 amp continuous and 16 amp pulse. Ives thru-wire are fully compatible with 4 wire and 8 wire installations.

Pin and Barrel Hinges

How to Order:

700 - US32D - 83 - EPT

Model

Stainless Steel

700	Full Mortise
702	Full Surface - Center Pivot
705	Full Mortise - Full Wrap
711	Full Surface - Swing Clear
715	Full Mortise - Half Wrap

Steel

600	Full Mortise
602	Full Surface - Center Pivot
611	Full Surface - Swing Clear

Finish

Stainless Steel

US32D (630)

Steel

USP (600) Primed

Length

83"

85"

95"

120"

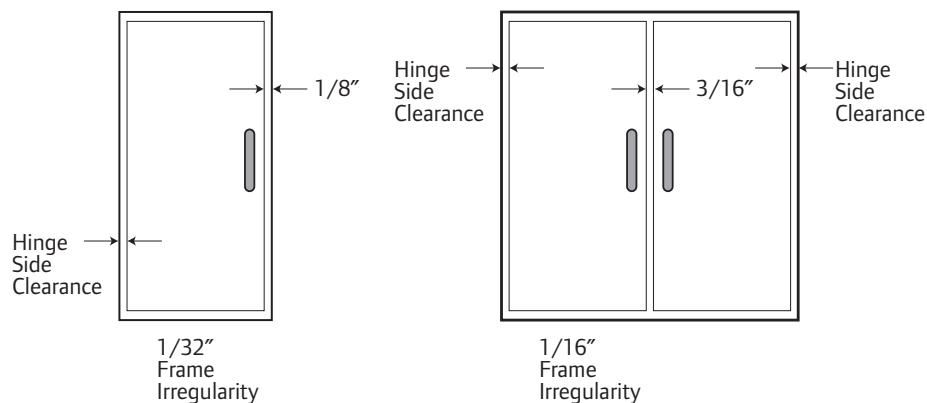
Other lengths available up to 120", consult factory. Handing is required.

Options

* EPT	Electric Power Transfer Prep
* TW8	Electric Through Wire
* TW8M	Electric Through Wire + Monitoring
SF	Security Fasteners - Torx
WD	Wood Fasteners

* Full Mortise Models Only

Pin and Barrel Hinges - Clearance Requirements



SINGLE DOOR

Model	Hinge-Side Clearance	Lock-Side Clearance	Frame Irregularity	Beveled Door Clearance	Door Under-Sizing Square Edged	Door Under-Sizing Beveled Edged
600	1/4"	1/8"	1/32"	1/32"	13/32"	7/16"
602	1/8"	1/8"	1/32"	1/32"	9/32"	5/16"
700	1/4"	1/8"	1/32"	1/32"	13/32"	7/16"
702	1/8"	1/8"	1/32"	1/32"	9/32"	5/16"
705	3/8"	1/8"	1/32"	1/32"	17/32"	9/16"
705*	1/2"	1/8"	1/32"	1/32"	21/32"	11/16"
711	7/32"	1/8"	1/32"	1/32"	3/8"	13/32"
715	1/4"	1/8"	1/32"	1/32"	13/32"	7/16"

* Use the Adjusta-Studs with 705

PAIR OF DOORS

Model	Hinge-Side Clearance	Lock-Side Clearance	Frame Irregularity	Beveled Door Clearance	Square Edged Total	Door Under-Sizing Square Edged Each Door	Door Under-Sizing Beveled Edged Total	Door Under-Sizing Beveled Edged Each Door
600	1/4"	3/16"	1/16"	1/16"	3/4"	3/8"	13/16"	13/32"
602	1/8"	3/16"	1/16"	1/16"	1/2"	1/4"	9/16"	9/32"
700	1/4"	3/16"	1/16"	1/16"	3/4"	3/8"	13/16"	13/32"
702	1/8"	3/16"	1/16"	1/16"	1/2"	1/4"	9/16"	9/32"
705	3/8"	3/16"	1/16"	1/16"	1"	1/2"	1-1/16"	17/32"
705*	1/2"	3/16"	1/16"	1/16"	1-1/4"	5/8"	1-5/16"	21/32"
711	7/32"	3/16"	1/16"	1/16"	11/16"	11/32"	3/4"	3/8"
715	1/4"	3/16"	1/16"	1/16"	3/4"	3/8"	13/16"	13/32"

* Use the Adjusta-Studs with 705



**600
700**

Full Mortise Pin and Barrel Continuous Hinge

For Doors Weighing up to 600 pounds

- Non Handed
- 1/8" Inset
- 48" Maximum Door Width
- Non Handed
- Bevel or Square Edge Door

Standard lengths 83", 85", 95", 120"

Standard Mounting Hardware

#10 X 1/2" Self Drilling Self Tapping Screws,

#10 X 1" Wood Screws

Optional SEC - Security Fasteners Available

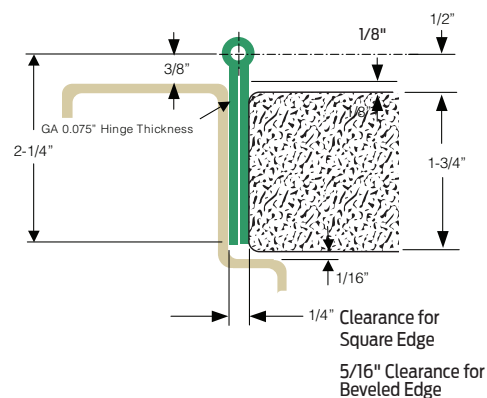
Material

600- 1012 Cold-Rolled Steel

700- 14 Gauge Type 304 Stainless Steel

1/4" Diameter 304 Stainless Pin with

Nylon Split Bearing



Finishes	600	700
BHMA	600	630
US Numbers	USP	US32D

Custom Paint Available, on 600
consult factory.



**602
702**

Full Surface Pin and Barrel Continuous Hinge

For Doors Weighing up to 600 pounds

- Non Handed
- Flush Mounted, No Inset
- 48" Maximum Door Width
- Bevel or Square Edge Door

Standard lengths 83", 85", 95", 120"

Standard Mounting Hardware

1/4"-20 x 3/4" Self Drilling Self Tapping Screws,

Cover Clips

Optional SEC - Security Fasteners Available

Material

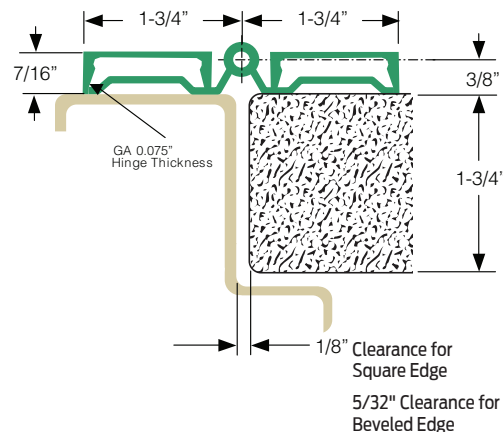
602- 1012 Cold-Rolled Steel

702 - 14 Gauge Type 304 Stainless Steel

1/4" Diameter 304 Stainless Pin with

Nylon Split Bearing

Brushed Aluminum Leaf Covers



Finishes	602	702
BHMA	600	630
US Numbers	USP	US32D

Custom Paint Available, on 602
consult factory



**611
711**

Swing Clear Pin and Barrel Continuous Hinge

For Doors Weighing up to 600 pounds

- Non Handed
- Edge Guard
- 48" Maximum Door Width
- Square Edge Door

Standard lengths 83", 85", 95", 120"

Standard Mounting Hardware

#10 X 1/2" Self Drilling Self Tapping Screws

#10 X 1" Wood Screws

Optional SEC - Security Fasteners

Available

Material

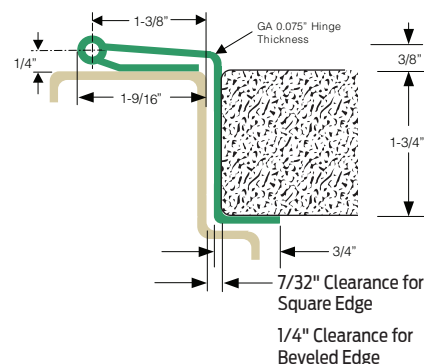
611- 1012 Cold-Rolled Steel

711- 14 Gauge Type 304 Stainless Steel

1/4" diameter 304 stainless pin with
nylon split bearings

Finishes	611	711
BHMA	600	630
US Numbers	USP	US32D

Custom Paint Available, on 611
consult factory



705

Full Moritse, Full Wrap Pin and Barrel Continuous Hinge

For Doors Weighing up to 600 pounds

- Non Handed
- Flush Mounted, No Inset
- 48" Maximum Door Width
- Full Wrap Edge Guard
- Bevel or Square Edge Door

Standard lengths 83", 85", 95", 120"

Standard Mounting Hardware

#10 X 1/2" Self Drilling Self Tapping Screws, #10 X 1" Wood Screws

Adjusta-stud 1-3/8" with 10-32 internal thread

Optional SEC - Security Fasteners Available.

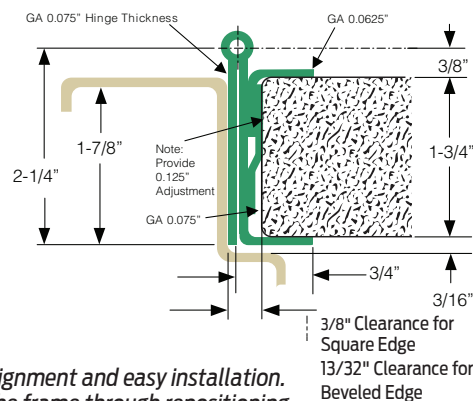
Material

14 Gauge Type 304 Stainless Steel

1/4" diameter 304 stainless pin with
nylon split bearings

Finishes

BHMA	630
US Numbers	US32D



* **Adjusta-Stud** allows up to 3/8" width adjustment which ensures proper alignment and easy installation. Adjusta-Stud also makes it possible for future adjustments of the door on the frame through repositioning.

**715****Full Mortise, Half Wrap Pin and Barrel Continuous Hinge**

For Doors Weighing up to 600 pounds

- Non Handed
- Flush Mounted, No Inset
- Half Wrap Edge Guard
- 48" Maximum Door Width
- Square Edge Door

Standard lengths 83", 85", 95", 120"

Standard Mounting Hardware

#10 X 1/2" Self Drilling Tek Screws,

#10 X 1" Wood Screws

Optional SEC - Security Fasteners Available

Material

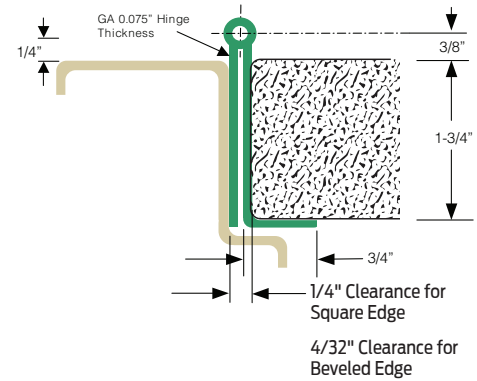
14 Gauge Type 304 Stainless Steel
1/4" diameter 304 stainless pin with
nylon split bearings

Finishes

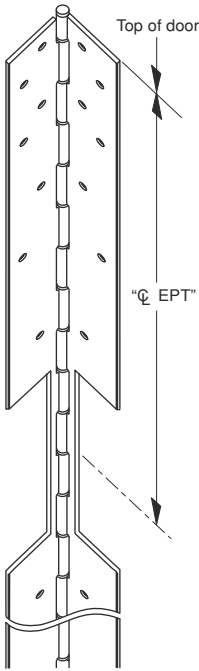
BHMA 630

US Numbers US32D

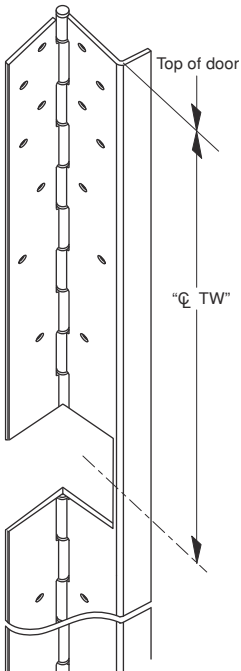
*Custom Paint Available,
consult factory*



EPT
600/700



TW
600/700



Electrical Cutouts

Ives Pin & Barrel Continuous Hinges are available with factory modified cutouts to accommodate most electrical frame to door requirements. Special templates are required.

When ordering indicate the following:

- 1. Opening size.
 - 2. Handing. LH, RH, RHR or LHR.
 - 3. Manufacturer and model number of the electrical product being used.
- Example; Von Duprin EPT2

Because clearances may vary between door and frame manufacturer, and locations can be influenced by the door hardware it is always recommend contacting Ives Customer Technical for specific template information.

For your general information following are standard locations for Von Duprin EPT2 or EPT10, and TW (through wire)

Standard centerline cutout locations

From Top Edge o top of Door to Center Line of Cut-Out

Standard Length	EPT	TW
83"	30"	43-19/32"
85"	32"	45-17/32"
95"	42"	55-17/32"
120"	67"	80-17/32"

Note: See ordering guide in price book for proper placement.