EXPLANATION OF NUMBERING
SYSTEMS & SYMBOLS

First Two/Four Characters Denotes Style / Function of Hinge:

2B = 2 Knuckle Ball Bearing
2H = 2 Knuckle Ball Bearing Heavy Weight
2P = 2 Knuckle Plain Bearing
4B = 4 Ball Bearing Heavy Weight
4C = Concealed Bearing Heavy Weight
4F = 5 Knuckle Concealed Heavy Weight
PB = Plain Bearing
BB = Ball Bearing
CP = Concealed Plain Bearing
CB = Concealed Bearing
CS = Continuous Standard Weight
CH = Continuous Heavy Weight
FB = 5 Knuckle Concealed Bearing
IT = 3/16” Slip-In Insert
IF = 5/16” Slip-In Insert
PH = Concealed Bearing Heavy Weight Prison Hinge
RB = Raised Barrel
RS = Residential Spring Hinge
RP = Residential Plain Bearing
SP = Spring Hinge
SC4B = Swing Clear Heavy Weight
SCPB = Swing Clear Plain Bearing
SCBB = Swing Clear Ball Bearing
WT4B = Wide Throw Heavy Weight
WTBP = Wide Throw Plain Bearing
WTBB = Wide Throw Ball Bearing
WB = Welding Butt

Third/Fifth Character Denotes Base Material Used

8 = Wrought Steel
5 = Stainless Steel
3 = Aluminum
2 = Wrought Brass

Fourth / Sixth Character Denotes Type of Hinge

1 = Full Mortise
2 = Half Mortise
3 = Full Surface
4 = Half Surface

Example 1=P8B1  Example 2=PB81
PB = Plain Bearing 4B = Four Bearing Heavy Weight
8 = Steel 2 = Brass
1 = Full Mortise 4 = Half Surface

Example 3=SP51  Example 4=SC4B83
SP = Spring Hinge SC4B = Swing Clear Heavy Weight
5 = Stainless Steel 8 = Steel
1 = Full Mortise 3 = Full Surface

BASE MATERIAL

STEEL-
Wrought Steel is durable yet corrosive. Best if used on interior applications where temp. and humidity are controlled. Steel ball bearing hinges may be used on fire rated openings.

BRASS-
Wrought Brass is rust resistant and decorative. Apply brass hinges where appearance is of great concern yet humidity is also a factor. Brass hinges may not be used on fire rated openings.

STAINLESS STEEL-
Stainless Steel Types 302/304 is rust resistant, durable and decorative. Apply stainless hinges on highly corrosive areas such as chemical storage, seacoast, or industrial areas where acids or atmospheric conditions exist. Stainless steel ball bearing hinges may be used on fire rated openings.

EXTRAS

RC - 1/4” Radius Corner
RC5 - 5/8” Radius Corner
NRP - Non Removable Pin
MAX - Maximum Security Stud w/NRP
HT - Hospital Tip
Z - Rust Resistant Base
BP - Brass Pin
SP - Stainless Steel Pin
BT - Ball Tip
ST - Steeple Tip
UT - Urn Tip
NH - No Holes

ELECTRICAL HINGES

EL - Electrical Through Wire
EM - Electrical Monitor
EMW - Electrical Monitor w/Through Wire
EMS - Exposed Monitor Switch

STOCK FINISHES

USP US26D US4 US10
US10B US32D ALUM US32

ALL SIZES AVAILABLE FROM
3” X 3” THROUGH 8” X 4 1/2”

NOTE: We are not limited to sized or finishes listed above. Call for availability on items not shown.
UL LISTED SPRING HINGE
RESIDENTIAL WEIGHT
Gauges available: .100
For use on residential 1-3/4” and 1-3/8” standard light weight, low frequency doors weighing under 110 lbs. as a self closing device. To be installed in conjunction with hinges of the same type or bearing type only. UL listed to Grade 3 specifications K8107-1F.

U.L. LISTED SPRING HINGE
Gauges available: .123,.130,.134
For use on doors weighing under 150 lbs. as a self closing device. To be installed in conjunction with hinges of the same type or ball bearing type only. U.L. listed to Grade 1 specifications K8107-1F.

UL LISTED SINGLE ACTING SPRING HINGE
Gauges available: .120
For use on doors weighing under 150 lbs. as a self closing device. Minimizes cost of installing a door closer device. Convert doors to self-closing in existing buildings. Always verify local fire code requirements. UL listed to Grade 2 specifications K81011F.

BALL BEARING
Gauges available: .123,.130,.134,.146
For use on standard weight doors or doors receiving average frequency usage. Ball bearing type hinges must be used on doors in conjunction with door closers and on all fire rated openings.

CONCEALED BEARING
Gauges available: .123,.130,.134,.146
For use on standard weight doors or doors receiving average frequency usage. Concealed bearing type hinges must be used on doors in conjunction with door closers and on all fire rated openings.

CONCEALED BEARING 2 KNUCKLE
Gauges available: .130,.134,.146
For use on standard weight doors or doors receiving avg. freq. usage. Concealed bearing type hinges must be used on doors in conjunction with door closers and on all fire rated openings. Two knuckle construction for ease of installation.

ELECTRIC
Gauges available: .130,.134,.146,.180,.190
Electric hinges allow electrical currents and signals to pass from jamb through the hinge into the door in an invisible manner. Available in ball bearing type only. (For options available see “extras” on previous page.)

WIDE THROW BALL BEARING
Gauges available: .123,.130,.134,.146
For use on standard weight doors or doors receiving average frequency usage. For deep reveals or obstacles created by trim, projecting walls or 180° door swing. May be used on fire rated openings.

BALL BEARING HEAVY WEIGHT
Gauges available: .180,.190
For use on heavy doors or doors receiving high frequency usage. Ball bearing type hinges must be used on doors in conjunction with door closers and on all fire rated openings.

CONCEALED BEARING HEAVY WEIGHT
Gauges available: .180,.190
For use on heavy doors or doors receiving high frequency usage. Concealed bearing type hinges must be used on doors in conjunction with door closers and on all fire rated openings.

CASTED STAINLESS STEEL PRISON HINGE
Gauges available: .180,.190
For use on heavy weight metal or wood doors or doors receiving high freq. usage in hospitals, schools or public buildings where security issues exist. Hospital tip, concealed bearings and security stud all included with hinge. Maybe used on fire rated openings.

PLAIN BEARING
Gauges available: .123,.130,.134,.146
For use on standard weight doors or doors receiving low frequency usage.

PLAIN BEARING RESIDENTIAL WEIGHT
Gauges available: .090,.098
For use on residential 1-3/4” and 1-3/8” standard light weight, low freq. doors hung in wood jambs receiving average usage in residential construction.

SWING CLEAR BALL BEARING-STANDARD WEIGHT
Gauges available: .123,.130,.134,.146
For use in hospitals, institutional or commercial type buildings for barrier-free environment. Wherever doors are required to meet barrier-free codes (ADA) or are required to swing completely clear of the openings so that wide equipment can pass through without damaging doors, frames or equipment, reducing opening maintenance.

SWING CLEAR BALL BEARING-HEAVY WEIGHT
Gauges available: .180,.190
For use in hospitals, institutional or commercial type buildings for barrier-free environment. Wherever doors are required to meet barrier-free codes (ADA) or are required to swing completely clear of the openings so that wide equipment can pass through without damaging doors, frames or equipment, reducing opening maintenance.
PBB, Inc. - Manufacturers of quality hinges, are based in Ontario, California. PBB is backed with many years of experience in the craft of making quality hinges. We are devoted to maintaining high quality standards with our continual product improvement, service and reliability.

In today's marketplace, economics is the pendulum of success or failure. PBB, Inc. and our team of representatives would like to help you in achieving that success through one of many ways.

**We offer service** - From our customer service department, to our factory and field representatives, we have a strong commitment in giving you, our customer 100%

**We offer reliability** - In our industry, today's specifications are based on performance standards and we insure that we meet or exceed all ANSI and BHMA product standards with constant testing and product evaluation by Warnock Hersey, ITS and Underwriters Laboratories.

**We offer quality** - From the high quality steel that goes into our hinge, to the product inspectors we have positioned in all phases of manufacturing, to the crew of highly trained finished goods inspectors at our facility, we maintain high quality standards so you can be confident you are supplying your customers with a quality product.

### COMPARISON CHART PART NUMBER EQUIVALENTS

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For More Information
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