At Hager Companies, we know all about the importance of adding the finishing touches to your building projects. That’s why we’re proud to offer more than 200 different trim & auxiliary door hardware products in a variety of designs, sizes, and finishes that not only look great, but also provide long-lasting wear in any application. Whatever you need, from pulls to push plates, protection plates to door edgings, wall and floor stops to flush bolts, coordinators, signage, and much more - Hager trim & auxiliary products give you great looks and proven durability.

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MANUFACTURING OPTIONS
Hager Companies can deliver custom door pulls made to your specifications, or choose from our collection of pull designs. Hager’s comprehensive selection of door pull hardware includes standard push/pull bars or multiple push bar combinations with center-to-centers made to order.

PUSH/PULL PLATE DETAILS
Standard Grip Positions
Pulls are centered vertically or lowered when necessary to meet minimum top spacing requirement. Be certain the pull selected will fit on specified plate under these conditions.

Special Pull Positions
Where pairs of doors are involved and active leaf pull plate is lettered or has a cutout, order pull plate for inactive leaf Grip To Align (WOC). This will ensure horizontal alignment of pull on both plates. Always furnish complete details when ordering non-standard pull positions.

PULL PLATES UP TO 4” WIDE

PULL PLATES OVER 4” WIDE
(HANDING REQUIRED WITH CUTOUTS)

Cut Outs
Standard cutout sizes: Cut for Cylinder (CFC) – 1 1/4” (32 mm) diameter; Cut for Thumbturn (CFT) – 3/8” (10 mm) diameter.

All plates may be ordered with cutout option by adding the appropriate suffix (i.e., 30S-CFC).

Standard cutouts are positioned 2” (51 mm) from top of plate where this option has been ordered. Cutouts are centered on plates up to 4” (102 mm) wide or 2” (51 mm) from edge of plates over 4” (102 mm) wide. The latter are handed with cutouts. Furnish hand of door when ordering. Provide complete details for all non-standard cutouts.

Flush Back Mounting
Pull plates using #3, 4, or 10 pull types can be furnished with a flush back (no projections). Specify code FB, (i.e., 33E-FB). Note: Use thru bolts supplied with mountings for best security.

Back To Back Mounting
Many pulls may be ordered back to back (BTB) and availability will be noted on each particular product page (refer to product page). Specify the correct part number and center-to-center unless already specified.

Handicap Option
Pulls that must meet the 2-1/2” (64 mm) clearance for ADA requirements are available. Must specify part number with prefix “H” (i.e., H2E). Please refer to each individual part number for availability.

Engraving
Typical engraved lettering is in Helvetica style and colored black. On push or pull plates, standard position is horizontal on a line 2” (51 mm) from top of plate.
Fasteners
Illustrated below are various types of fasteners that can be furnished by Hager Companies. Please specify type of fastening desired. All types of fastening cannot be used with all items of hardware. If specified method is not possible, we reserve the right to furnish whatever type we feel is best suited for the installation. When used with tempered glass doors, specify thickness of glass and hole diameter. Fasteners are standard for 1-3/4” doors. Other door thicknesses are optional.

- **Sex bolt and machine screws** (various sizes)
- **Lead anchor** (used with floor stops in masonry applications)
- **Plastic anchor and full threaded screw** (used in drywall or masonry applications)
- **Lag screw and shield**
- **Toggle bolt** (ideal for drywall applications)
- **Plastic toggle anchor** (used with wall stops in drywall applications)
- **Thru-bolt and finish washer** (flat or oval head; size as required)
- **Spanner head machine screws** (various sizes furnished at extra charge)
- **Security torx head machine screws** (various sizes furnished at extra charge)

- **CONCEALED CONE WITH BOLT AND SET SCREW BACK-TO-BACK MOUNTING**
- **BACK-TO-BACK MOUNTING FOR FLAT BARS**
- **CONCEALED CONE, SINGLE MOUNTING REQUIRES REINFORCING OR RIVNUTS BY OTHERS**
- **SEX BOLT SETS BACK-TO-BACK MOUNTING**
- **CONCEALED SPANNER, COLLAR & STUD BACK-TO-BACK MOUNTING SETS WITH ROUND BASES ONLY**
- **SPANNER CAP, SINGLE MOUNTING FOR ROUND BASES ON TEMPERED GLASS DOORS**

**THRU-BOLT, FINISH WASHER SINGLE MOUNTING**

**SURFACE APPLIED SPECIFY WS OR MS SINGLE MOUNTING FOR FLAT BARS**

**HARDWARE AS REQUIRED**
### GENERAL INFORMATION

#### METAL FINISH SYMBOLS

<table>
<thead>
<tr>
<th>US &amp; Hager</th>
<th>Description</th>
<th>Base Material</th>
<th>BHMA Symbol</th>
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<td>Zinc Plated Steel</td>
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<td>Satin Brass</td>
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<td>Satin Brass, Oxidized</td>
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<td>10R</td>
<td>Matte Lacquer Antique Bronze</td>
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<td>Plastic Laminate - Chocolate</td>
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<td>Sprayed Bronze</td>
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Note: For any finish not listed in this catalog, or explained above, availability on request.

#### ANTIMICROBIAL PROTECTION

Hager Companies’ full line of US32D stainless steel door pulls, push bars, push plates, and pull plates are available with AgION antimicrobial protection.

Hager uses a powder coat process to apply the antimicrobial treated coating to guarantee durability and protection. Antimicrobial resistance on products is affected by moisture in the air. Silver ions interact with humidity and are released creating a cleaner surface. The suppression of bacteria, mold and fungi is as easy as adding antimicrobial treated coating to your Hager products.

**Antimicrobial Vital Stats**
- US32D stainless steel
- EPA registered
- NSF approved
- FDA listed for food contact
- Designate your product with: MV3 for Trim & Auxiliary
1
Modified Half Round Wrought Door Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base: 1/2" x 1" (13 mm x 25 mm)
Projection: 2" (51 mm)
Clearance: 1-1/2" (38 mm)
Door Thickness: 1-3/4" (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4" FHMS with finish washers
Handicap: • 2-1/2" (64 mm) clearance available on special orders
          • Add prefix "H" to number (i.e., H1E)
Options: • May be combined with a plate to make a pull plate
          • Other centers on special order
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
       • Not suitable for back to back mounting

2
Rectangular Wrought Door Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base: 3/8" x 1-1/4" (10 mm x 32 mm)
Projection: 2" (51 mm)
Clearance: 1-5/8" (41 mm)
Door Thickness: 1-3/4" (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4" FHMS with finish washers
Handicap: • 2-1/2" (64 mm) clearance available on special orders
          • Add prefix "H" to number (i.e., H2E)
Options: • May be combined with a plate to make a pull plate
          • Other centers on special order
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
       • Not suitable for back to back mounting

3
Round Wrought Door Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 3/4" (19 mm)
Projection: 2-1/4" (57 mm)
Clearance: 1-1/2" (38 mm)
Door Thickness: 1-3/4" (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4" FHMS with finish washers
Handicap: • 2-1/2" (64 mm) clearance available on special orders
          • Add prefix "H" to number (i.e., H3E)
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
       • May be combined with a plate to make a pull plate
       • Other centers on special order
       • If ordered with tempered glass, specify glass thickness and hole size
       • Back to back - see model 13
4

Round Wrought Door Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 1” (25 mm)
Projection: 2-3/4” (70 mm)
Clearance: 1-3/4” (45 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4” FPHMS with finish washers
Handicap: • 2-1/2” (64 mm) clearance available on special orders
• Add prefix “H” to number (i.e., H4E)
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• May be combined with a plate to make a pull plate
• Other centers on special order
• If ordered with tempered glass, specify glass thickness and hole size
• Back to back - see model 13

P4E
Security Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base: 1” (25 mm) diameter
Projection: 2-1/4” (57 mm)
Clearance: 1-1/4” (32 mm)
CTC Length: 6” (152 mm)
Material: Stainless steel
Finish: US32D
Fasteners: Two (2) 3/8-16 x 1-1/4” “NYLOC” hex head cap screws
Notes: • For metal doors
• Requires reinforcing plate with an access plate and Torx screws for door edge

T4E
Security Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base: 1” (25 mm) diameter
Projection: 2-1/4” (57 mm)
Clearance: 1-1/4” (32 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
CTC Length: 6” (152 mm)
Material: Stainless steel
Finish: US32D
Fasteners: Two (2) 1/4-20 x 2-1/4” FTXMS with finish washers

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<td>Millimeters</td>
<td>203</td>
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<td>254</td>
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</table>
5D
Round Wrought Door Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 5/8” (16 mm)
Projection: 2-1/8” (54 mm)
Clearance: 1-1/2” (38 mm)
CTC Length: 5-1/2” (140 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4” FHMS with finish washers
Handicap: 2-1/2” (64 mm) clearance available on special orders
Add prefix “H” to number (i.e., H5D)
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
May be combined with a plate to make a pull plate
If ordered with tempered glass, specify glass thickness and hole size
Not suitable for back to back mounting

5N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 6-1/8” (156 mm)
Base: 5/8” x 1-3/16” (16 mm x 30 mm)
Projection: 2” (51 mm)
Clearance: 1-1/2” (38 mm)
CTC Length: 5-1/2” (140 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4” FHMS with finish washers
Options: May be combined with a plate to make a pull plate
Notes: Not suitable for back to back mounting

6N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 6-1/2” (165 mm)
Base Diameter: 1” (25 mm)
Projection: 1-7/8” (48 mm)
Clearance: 1-3/8” (35 mm)
CTC Length: 5-1/2” (140 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4” FHMS with finish washers
Options: May be combined with a plate to make a pull plate
Notes: Not suitable for back to back mounting
7N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 7-1/2” (190 mm)
Base Diameter: 2” (51 mm)
Projection: 1-7/8” (48 mm)
Clearance: 1-3/8” (35 mm)
CTC Length: 5-1/2” (140 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
Materials: Aluminum, brass, bronze
Fasteners: Two (2) 1/4-20 x 2-1/4” FPHMS with finish washers
Options: May be combined with a plate to make a pull plate
Notes: Not suitable for back to back mounting

8N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 7-1/2” (190 mm)
Base Diameter: 2” (51 mm)
Projection: 1-7/8” (48 mm)
Clearance: 1-3/8” (35 mm)
CTC Length: 5-1/2” (140 mm)
Materials: Aluminum, brass, bronze
Fasteners: Six (6) #8 x 1” OPHWS
Notes: Not suitable for back to back mounting

P8N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 8 - 3/4” (222 mm)
Base: 1-1/2” x 1-5/8” (38 mm x 41 mm)
Projection: 2-1/4” (57 mm)
Clearance: 1-9/16” (40 mm)
CTC Length: 7-3/4” (197 mm)
Materials: Brass
Finishes: US4, US26D
Fasteners: Two (2) 3/8-16 x 3/4” FPHMS
Options: Security Torx screws available
Notes: Not suitable for back to back mounting
9 Oval Wrought Door Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base: 1/2" x 3/4" (13 mm x 19 mm)
Projection: 2" (51 mm)
Clearance: 1-1/2" (38 mm)
Door Thickness: 1-3/4" (45 mm) - Standard
Materials: Brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 x 2-1/4" FPHMS with finish washers
Handicap: • 2-1/2” (64 mm) clearance available on special orders
Options: • May be combined with a plate to make a pull plate
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Not suitable for back to back mounting

10 Round Pull
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 1-1/4" (32 mm)
Projection: 3" (76 mm)
Clearance: 1-3/4" (45 mm)
Door Thickness: 1-3/4" (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 5/16-18 FPHMS with finish washers
Handicap: • 2-1/2” (64 mm) clearance available on special orders
Options: • May be combined with a plate to make a pull plate
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Back to back - see model 20

11 Round Offset Pull
Certification: Meets ANSI A156.6 for J402 Pulls
Base Diameter: 3/4" (19 mm)
Projection: 2-1/2" (64 mm)
Offset: 2-1/2" (64 mm); 90° Standard
Clearance: 1-3/4" (45 mm)
Door Thickness: 1-3/4" (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 5/16-18 x 2-1/4” FPHMS with finish washers
Handicap: • 2-1/2” (64 mm) clearance available on special orders
Options: • For 45° offset, add prefix “X” to number (i.e., X11E)
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Back to back - see model 21
12
Round Offset Pull
Certification: Meets ANSI A156.6 for J402 Pulls
Base Diameter: 1” (25 mm)
Projection: 2-3/4” (70 mm)
Offset: 3” (76 mm); 90° Standard
Clearance: 1-3/4” (45 mm)
Door Thickness: 1-3/4” (45 mm) - Standard
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 5/16-18 x 2-1/4” FPHMS with finish washers
Handicap: • 2-1/2” (64 mm) clearance available on special orders
• Add prefix “H” to number (i.e., H12G)
Options: • For 45° offset, add prefix “X” to number (i.e., X12G)
• Other centers available on special orders
• If ordered with tempered glass, specify glass thickness and hole size
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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<tr>
<td>Millimeters</td>
<td>203</td>
<td>254</td>
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13
Round Wrought Door Push/Pull Set
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 3/4” (19 mm)
Projection: 2-1/4” (57 mm)
Clearance: 1-1/2” (38 mm)
Door Thickness: 1-3/4” (45 mm) - 2-1/8” (54 mm) Standard
Materials: Aluminum, brass, bronze, stainless steel
Notes: • Type 7 mounting - Standard
• Consists of two (2) pulls back to back
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Supplied with two (2) 1/4” dia. threaded studs, spanner collar, and spanner wrench

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14
Round Wrought Door Push/Pull Set
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 1” (25 mm)
Projection: 2-3/4” (70 mm)
Clearance: 1-3/4” (45 mm)
Door Thickness: 1-3/4” (45 mm) - 2-1/8” (54 mm) Standard
Materials: Aluminum, brass, bronze, stainless steel
Notes: • Type 7 mounting - Standard
• Consists of two (2) pulls back to back
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Supplied with two (2) 1/4” dia. threaded studs, spanner collar, and spanner wrench

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19N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 9” (229 mm)
Base Diameter: 1-1/2” (38 mm)
Projection: 3-1/8" (79 mm)
CTC Length: 6-3/16" (132 mm)
Materials: Brass
Fasteners: Four (4) #8 x 1” OPHWS
Notes: Suitable for back to back mounting with sex nuts by special quotation
Clearance: 1-11/16” (43 mm)

20
Round Push/Pull Set
Certification: Meets ANSI A156.6 for J401 Pulls
Base Diameter: 1-1/4” (32 mm)
Projection: 3” (76 mm)
Clearance: 1-3/4” (45 mm)
Door Thickness: 1-3/4” (45 mm) - 2-1/8” (54 mm) Standard
Materials: Brass, bronze, stainless steel
Notes: • Type 7 mounting - Standard
• Consists of two (2) pulls back to back
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Supplied with two (2) 5/16” dia. threaded studs, spanner collar, and spanner wrench

20N
Cast Pull
Certification: Meets ANSI A156.6 for J401 Pulls
O/A Height: 9” (229 mm)
Base Diameter: 1-1/2” (38 mm)
Projection: 3-1/8” (79 mm)
CTC Length: 5-7/32” (132.5 mm)
Door Thickness: 1-3/4” - Standard
Material: Brass
Fasteners: Two (2) 1/4 - 20 x 2-3/16” undercut FPHMS with finish washers
Clearance: 1-11/16” (43 mm)

21
Round Offset Push/Pull Set
Certification: Meets ANSI A156.6 for J402 Pulls
Base Diameter: 3/4” (19 mm)
Projection: 2-1/2” (64 mm)
Clearance: 1-3/4” (45 mm)
Offset: 2-1/2” (64); 90° - Standard
Door Thickness: 1-3/4” (45 mm) - 2-1/8” (54 mm) Standard
Materials: Aluminum, brass, bronze, stainless steel
Notes: • Type 7 mounting - Standard
• Consists of two (2) pulls back to back
• Available with 45 degree offset
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Supplied with two (2) 1/4” dia. threaded studs, spanner collar, and spanner wrench

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<th>20Q</th>
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<tbody>
<tr>
<td>Inches</td>
<td>12</td>
<td>16</td>
</tr>
<tr>
<td>Millimeters</td>
<td>305</td>
<td>457</td>
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<table>
<thead>
<tr>
<th>CTC Length</th>
<th>21E</th>
<th>21G</th>
<th>21J</th>
<th>21L</th>
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<tbody>
<tr>
<td>Inches</td>
<td>6</td>
<td>8</td>
<td>10</td>
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<tr>
<td>Millimeters</td>
<td>152</td>
<td>203</td>
<td>254</td>
<td>305</td>
</tr>
</tbody>
</table>
22
Round Offset Push/Pull Set
Certification: Meets ANSI A156.6 for J402 Pulls
Base Diameter: 1” (25 mm)
Projection: 2-3/4” (70 mm)
Clearance: 1-3/4” (45 mm)
Door Thickness: 1-3/4” (45 mm) - 2-1/18” (54 mm) Standard
Offset: 3” (76 mm); 90º standard
Materials: Aluminum, brass, bronze, stainless steel
Notes:
• Type 7 mounting - Standard
• Consists of two (2) pulls back to back
• Available with 45 degree offset
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Supplied with two (2) 1/4” dia. threaded studs, spanner collar, and spanner wrench

23Q
Round Offset Pull
Certification: Meets ANSI A156.6 for J402 Offset Pulls
Base Diameter: 1-1/4” (32 mm)
Projection: 3” (76 mm)
Clearance: 1-3/4” (45 mm)
Offset: 3-3/4” (96 mm); 90º Standard
Door Thickness: 1-3/4” (45 mm) - Standard
Ctc Length: 18” (457 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: 5/16-18 x 2-1/4” FHMS with finish washers
Handicap: 2-1/2” (64 mm) clearance available on special orders
• Add prefix “H” to number (i.e., H23Q)
Options: For 45º offset, substitute “X” for first digit (i.e., X23Q)
Notes:
• If ordered with tempered glass, specify glass thickness and hole size
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

24Q
Round Offset Push/Pull Set
Certification: Meets ANSI A156.6 for J402 Offset Pulls
Base Diameter: 1-1/4” (32 mm)
Projection: 3” (76 mm)
Clearance: 1-3/4” (45 mm)
Offset: 3-3/4” (95 mm); 90º standard
Door Thickness: 1-3/4” (45 mm) - 2-1/18” (54 mm) Standard
Ctc Length: 18” (457 mm)
Materials: Aluminum, brass, bronze, stainless steel
Notes:
• Type 7 mounting - Standard
• Consists of two (2) pulls back to back
• Available with 45 degree offset
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
• Supplied with two (2) 5/16” dia. threaded studs, spanner collar, and spanner wrench

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CTC Length | 22G | 22J | 22L
---|---|---|---
Inches  | 8 | 10 | 12
Millimeters  | 203 | 254 | 305
910P | 910B
Offset Mounting Vertical Pull
Pull Diameter: 1-1/4” (32 mm)
O/A Length: 36” (914 mm), 72” (1829 mm)
CTC Lengths: 20” (508 mm), 56” (1422 mm)
Materials: Aluminum, brass, bronze, stainless steel tubing
Fasteners: Two (2) 3/8-16 FPHMS with finish washers
Notes:
• 910B is same as 910P with fasteners for back to back mounting
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
Clearance: 1-1/2” (38 mm)
Projection: 2-3/4” (70 mm)
Offset: 1-5/8” (41 mm)

915P | 915B
Straight Mounting Vertical Pull
Pull Diameter: 1-1/4” (32 mm)
O/A Length: 36” (914 mm), 72” (1829 mm)
CTC Lengths: 20” (508 mm), 56” (1422 mm)
Materials: Aluminum, brass, bronze, stainless steel tubing
Fasteners: Two (2) 3/8-16 FPHMS w/ finish washers
Notes:
• 915B is same as 915P with fasteners for back to back mounting
• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
36” and 20”
Clearance: 2” (51 mm)
Projection: 3-1/4” (83 mm)
72” and 56”
Clearance: 1-1/2” (38 mm)
Projection: 2-3/4” (70 mm)
**920P | 920B**
**C-Shaped Pull**
- Base Diameter: 1” (25 mm)
- Clearance: 1-3/4” (45 mm)
- Projection: 2-1/4” (57 mm)
- CTC Length: 8-1/2” (217 mm)
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes:
  - 920B is pair of 920P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**921P | 921B**
**C-Shaped Pull**
- Clearance: 1-1/2” (38 mm)
- Offset: 8-1/2” (216 mm)
- Projection: 2-1/8” (54 mm)
- CTC Length: 17-1/2” (446 mm)
- Materials: Brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes:
  - 921B is pair of 921P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**922P | 922B**
**C-Shaped Pull - Continuous**
- Pull Diameter: 1” (25 mm)
- Projection: 2-1/2” (64 mm)
- CTC Lengths: 10” (254 mm), 12” (305 mm)
- Clearance: 1-1/2” (38 mm)
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes:
  - 922B is pair of 922P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**923P | 923B**
**C-Shaped Pull - Flanged**
- Pull Diameter: 1” (25 mm)
- Projection: 2-3/4” (70 mm)
- CTC Lengths: 10” (254 mm), 12” (305 mm)
- Clearance: 1-3/4” (44 mm)
- Base Diameter: 3/4” (19 mm)
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes:
  - 923B is pair of 923P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
**924P | 924B**

**C-Shaped Pull**

- Projection: 2-1/2” (64 mm)
- CTC Length: 14” (356 mm)
- Clearance: 1-1/2” (38 mm)
- Offset: 6-1/2” (165 mm)
- Materials: Brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes: • 924B is pair of 924P with fasteners for back to back mounting
  • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**925P | 925B**

**C-Shaped Pull**

- Pull Diameter: 1-1/4” (32 mm)
- CTC Lengths: 6-1/2” (165 mm), 8-1/2” (217 mm), 12-1/2” (318 mm)
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes: • 925B is pair of 925P with fasteners for back to back mounting
  • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**926P | 926B**

**Curved Pull**

- Base Diameter: 1-1/4” (32 mm)
- Projection: 3” (76 mm)
- Clearance: 1-13/16” (46 mm)
- Offset: 5-9/32” (134 mm)
- Pull Diameter: 1-3/16” (30 mm)
- CTC Length: 12” (305 mm)
- Materials: Brass, bronze
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes: • 926B is pair of 926P with fasteners for back to back mounting
  • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**930P | 930B**

**90º Pull**

- Projection: 3” (76 mm)
- Clearance: 1-3/4” (45 mm)
- CTC Lengths: 1-5/32” - 16-31/32” (360 mm - 431 mm)
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 3/8-16 FPHMS with finish washers
- Notes: • 930B is pair of 930P with fasteners for back to back mounting
  • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
**932P | 932B**

S-Shaped Pull

- **Projection:** 3” (76 mm)
- **Clearance:** 2” (51 mm)
- **Pull Diameter:** 1” (25 mm)
- **Fasteners:** Two (2) 3/8-16 FPHMS w/ finish washers
- **CTC Length:** 30” (762 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Notes:**
  - 932B is pair of 932P with fasteners for back to back mounting
  - Specify handing when ordering
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**933P | 933B**

Colonial Style Pull

- **Projection:** 2-3/16” (56 mm)
- **Clearance:** 1-3/16” (30 mm)
- **Pull Diameter:** 1” (25 mm)
- **Base Diameter:** 15/16” (24 mm)
- **CTC Length:** 6” (152 mm)
- **Materials:** Brass and bronze
- **Finishes:** US3, US4, US10B, US26
- **Notes:** 933B is pair of 933P with fasteners for back to back mounting

**934P | 934B**

Offset Pull

- **Projection:** 3-1/8” (80 mm)
- **Clearance:** 1-7/8” (48 mm)
- **Pull Diameter:** 1-1/4” (32 mm)
- **Base Diameter:** 1” (25 mm)
- **CTC Lengths:** 12” (305 mm), 16” (406 mm), 18” (457 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Notes:** 934B is pair of 934P with fasteners for back to back mounting

**960P | 960B**

Square Tip Pull

- **O/A Height:** 16” (406 mm)
- **Base Diameter:** 1-1/4” (32 mm)
- **Pull Diameter:** 1” (25 mm)
- **Clearance:** 1-3/4” (45 mm)
- **Projection:** 3-1/4” (83 mm)
- **CTC Length:** 12” (305 mm)
- **Materials:** Brass, bronze
- **Notes:**
  - 960B is pair of 960P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
961P | 961B
Steeple Tip Pull
O/A Height: 16-5/16" (414 mm)
Base Diameter: 2" (51 mm)
Pull Diameter: 1" (25 mm)
Clearance: 1-3/4" (45 mm)
Projection: 3" (76 mm)
CTC Length: 12" (305 mm)
Materials: Brass, bronze
Fasteners: Two (2) 3/8-16 FPHMS with finish washers
Notes: • 961B is pair of 961P with fasteners for back to back mounting
      • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

962P
Acorn Tip Pull
O/A Height: 16-5/16" (414 mm)
Base Diameter: 2" (51 mm)
Pull Diameter: 1" (25 mm)
Projection: 3" (76 mm)
Clearance: 1-7/8" (48 mm)
CTC Length: 12" (305 mm)
Materials: Brass, bronze
Fasteners: Two (2) 3/8-16 FPHMS with finish washers
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

963P
Acorn Pull - Offset
O/A Height: 16-5/16" (414 mm)
Pull Diameter: 1" (25 mm)
Projection: 2-3/4" (70 mm)
CTC Lengths: 12" (304 mm), 16" (406 mm), 18" (457 mm), 24" (610 mm), 30" (762 mm)
Materials: Cast brass, bronze
Fasteners: Two (2) 3/8-16 FPHMS with finish washers
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

967P
Curved Pull
O/A Height: 20-1/2" (520 mm)
Projection: 5-9/16" (141 mm)
Clearance: 3-9/16" (90 mm)
CTC Length: 16" (406 mm)
Materials: Brass, bronze
Fasteners: Two (2) 3/8-16 FPHMS with finish washers
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
**970P**

*Custom Push/Pull Set*

- **Base Diameter:** 1" (25 mm)
- **Pull Projection:** 3" (76 mm)
- **Pull Clearance:** 2" (51 mm)
- **CTC Length:** 13-1/4" (337 mm)
- **Push Projection:** 2-3/4" (70 mm)
- **Push Clearance:** 1-3/4" (45 mm)
- **CTC Length:** 34" (864 mm) or to suit door dimension

**Materials:** Brass, bronze, stainless steel


**Fasteners:** 3/8 x 16 Type 3 mounting, concealed cone with 3/8 x 16 Type 2 thru bolts and finish washer; Type 1, thru-bolt, finish washer mount for free ends

**Notes:**
- Pull or push bar can be ordered separately by quotation only
- Push bar radius can be custom made so the radius points in the downward direction
- For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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**974P | 974B**

*Door Pull*

- **Projection:** 2-1/2" (64 mm)
- **CTC Length:** 12" (304 mm), 18" (457 mm), 24" (610 mm), 30" (762 mm), 36" (914 mm), 48" (1219 mm)

**Materials:** Brass, bronze, stainless steel


**Fasteners:** Two (2) 3/8-16 FPHMS with finish washers

**Notes:**
- 974B is pair of 974P with fasteners for back to back mounting
- For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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**975P | 975B**

*Vertical Pull*

- **Projection:** 2-3/4" (70 mm)
- **O/A Length:** 36" (914 mm), 72" (1829 mm)
- **CTC Length:** 20" (508 mm), 56" (1422 mm)
- **Pull Diameter:** 1" (25 mm)

**Materials:** Brass, bronze, stainless steel


**Fasteners:** Two (2) 3/8-16 FPHMS with finish washers

**Notes:**
- 975B is pair of 975P with fasteners for back to back mounting
- For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
### 976P | 976B
Door Pull - Offset

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<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>O/A Height</td>
<td>29-1/2” (750 mm)</td>
</tr>
<tr>
<td>Base Diameter</td>
<td>1-1/4” (32 mm)</td>
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<tr>
<td>Pull Diameter</td>
<td>1-1/4” (32 mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>5-3/8” (137 mm)</td>
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<tr>
<td>Clearance</td>
<td>4-1/8” (105 mm)</td>
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<tr>
<td>Offset</td>
<td>1-3/4” (45 mm)</td>
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<tr>
<td>CTC Length</td>
<td>19-13/16” (503 mm)</td>
</tr>
<tr>
<td>Materials</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Finish</td>
<td>US32D</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
</tr>
</tbody>
</table>
| Notes                  | • 976B is pair of 976P with fasteners for back to back mounting  
                        | • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability |

### 980P | 980B
Segment Shape - Straight

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>CTC Length</td>
<td>9” (229 mm), 12” (305 mm), 18” (457 mm), 24” (610 mm)</td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
</tr>
</tbody>
</table>
| Notes                  | • 980B is pair of 980P with fasteners for back to back mounting  
                        | • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability |

### 981P | 981B
Segment Shape - Offset

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection</td>
<td>2-3/8” (60 mm)</td>
</tr>
<tr>
<td>CTC Length</td>
<td>9” (229 mm), 12” (305 mm), 18” (457 mm), 24” (610 mm)</td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
</tr>
</tbody>
</table>
| Notes                  | • 981B is pair of 981P with fasteners for back to back mounting  
                        | • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability |

### 982P | 982B
Straight Pull

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Diameter</td>
<td>1-5/16” (33 mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>3-1/8” (79 mm)</td>
</tr>
<tr>
<td>Clearance</td>
<td>1-13/16” (46 mm)</td>
</tr>
<tr>
<td>CTC Length</td>
<td>20” (508 mm)</td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
</tr>
</tbody>
</table>
| Notes                  | • 982B is pair of 982P with fasteners for back to back mounting  
                        | • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability |
### 983P | 983B
**Curved Pull**

<table>
<thead>
<tr>
<th>Specification</th>
<th>983P</th>
<th>983B</th>
</tr>
</thead>
<tbody>
<tr>
<td>O/A Height</td>
<td>21-1/4&quot; (540 mm)</td>
<td></td>
</tr>
<tr>
<td>Base Diameter</td>
<td>1-1/4&quot; (32 mm)</td>
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</tr>
<tr>
<td>Projection</td>
<td>3-1/8&quot; (79 mm)</td>
<td></td>
</tr>
<tr>
<td>Clearance</td>
<td>1-7/8&quot; (48 mm)</td>
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<tr>
<td>CTC Length</td>
<td>20&quot; (508 mm)</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
<td></td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>983B is pair of 983P with fasteners for back to back mounting</td>
<td>Specify handing when ordering</td>
</tr>
</tbody>
</table>

### 984P | 984B
**Curved Pull**

<table>
<thead>
<tr>
<th>Specification</th>
<th>984P</th>
<th>984B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projection</td>
<td>3&quot; (76 mm)</td>
<td></td>
</tr>
<tr>
<td>CTC Lengths</td>
<td>12&quot; (305 mm), 20&quot; (508 mm)</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
<td></td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>984B is pair of 984P with fasteners for back to back mounting</td>
<td>For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability</td>
</tr>
</tbody>
</table>

### 985P | 985B
**Curved Pull**

<table>
<thead>
<tr>
<th>Specification</th>
<th>985P</th>
<th>985B</th>
</tr>
</thead>
<tbody>
<tr>
<td>O/A Height</td>
<td>14&quot; (356 mm)</td>
<td></td>
</tr>
<tr>
<td>Base Diameter</td>
<td>2&quot; (51 mm)</td>
<td></td>
</tr>
<tr>
<td>Projection</td>
<td>3&quot; (76 mm)</td>
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</tr>
<tr>
<td>Clearance</td>
<td>1-9/16&quot; (40 mm)</td>
<td></td>
</tr>
<tr>
<td>Offset</td>
<td>1-5/8&quot; (41 mm)</td>
<td></td>
</tr>
<tr>
<td>CTC Length</td>
<td>12&quot; (305 mm)</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
<td></td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>985B is pair of 985P with fasteners for back to back mounting</td>
<td>For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability</td>
</tr>
</tbody>
</table>

### 986P | 986B
**Curved Pull**

<table>
<thead>
<tr>
<th>Specification</th>
<th>986P</th>
<th>986B</th>
</tr>
</thead>
<tbody>
<tr>
<td>O/A Height</td>
<td>22&quot; (559 mm)</td>
<td></td>
</tr>
<tr>
<td>Pull Diameter</td>
<td>1-1/4&quot; (32 mm)</td>
<td></td>
</tr>
<tr>
<td>Base Diameter</td>
<td>2&quot; (51 mm)</td>
<td></td>
</tr>
<tr>
<td>Projection</td>
<td>3-7/8&quot; (99 mm)</td>
<td></td>
</tr>
<tr>
<td>Clearance</td>
<td>2-5/8&quot; (67 mm)</td>
<td></td>
</tr>
<tr>
<td>Offset</td>
<td>3&quot; (76 mm)</td>
<td></td>
</tr>
<tr>
<td>CTC Length</td>
<td>20&quot; (508 mm)</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>Brass, bronze, stainless steel</td>
<td></td>
</tr>
<tr>
<td>Fasteners</td>
<td>Two (2) 3/8-16 FPHMS with finish washers</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>986B is pair of 986P with fasteners for back to back mounting</td>
<td>For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability</td>
</tr>
</tbody>
</table>
# PULLS

## 987P | 987B
*Double Curved Pull*

- **Base Diameter:** 1-1/4” (32 mm)
- **Projection:** 3” (76 mm)
- **Clearance:** 2” (51 mm)
- **CTC Length:** 20” (508 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **Notes:**
  - 987B is pair of 987P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

## 988P | 988B
*Offset Pull*

- **Projection:** 3” (76 mm)
- **CTC Length:** 24” (610 mm)
- **Materials:** Brass, bronze, stainless steel
- **Finishes:** US3, US26, US32D
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **Notes:**
  - 988B is pair of 988P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

## 990P | 990B
*18º Pull*

- **Pull Diameter:** 1” (25 mm)
- **Projection:** 2-3/4” (70 mm)
- **Clearance:** 1-3/4” (45 mm)
- **CTC Length:** 24” (610 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **Notes:**
  - 990B is pair of 990P with fasteners for back to back mounting
  - Specify handing when ordering
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
15C Heavy Duty Flush Cup Pulls
Certification: Meets ANSI A156.6 for J403 Pulls
Description: Cup welded to face plate
Face: 3-1/2” x 5” (89 mm x 127 mm)
Projection: 1/8” (3.2 mm)
Opening: 1-3/4” x 3-1/16” (44 mm x 78 mm)
Cup Clearance: 3/4” (19 mm)
Materials: Stainless steel
Finishes: US32D
Fasteners: Four (4) #6 x 5/8” OPHWS

15N Flush Cup Pull
Certification: Meets ANSI A156.6 for J403 Pulls
Description: Cup welded to face plate
Face: 3-1/2” x 5” (89 mm x 127 mm)
Projection: 1/8” (3.2 mm)
Opening: 1-3/4” x 3-1/16” (44 mm x 78 mm)
Cup Clearance: 3/4” (19 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Four (4) #6 x 5/8” OPHWS

15P Heavy Duty Security Flush Cup Pull
Certification: Meets ANSI A156.6 for J403 Pulls
Description: Cup welded to face plate and welded studs for security torx thru-bolt mounting
Face: 3-1/2” x 5” (89 mm x 127 mm)
Projection: 1/8” (3.2 mm)
Opening: 1-3/4” x 3-1/16” (44 mm x 78 mm)
Cup Clearance: 3/4” (19 mm)
Materials: Stainless steel
Finishes: US32D
Fasteners: Two (2) 6-32 x 1-1/2” FPHMS (Security Torx)
Notes: For use on 1-3/4” (44 mm) doors

15S Light Duty Flush Cup Pull
Certification: Meets ANSI A156.6 for J403 Pulls
Description: Concealed mounting by screws within the recessed cup (similar to 16N or 17N)
Face: 3-1/2” x 5” (89 mm x 127 mm)
Projection: 1/8” (3.2 mm)
Opening: 1-3/4” x 3-1/16” (44 mm x 78 mm)
Cup Clearance: 3/4” (19 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) #6 x 5/8” PPHWS
Notes: Fasteners concealed in cup
### 16N
*Light Duty Flush Cup Pull*

- **Certification:** Meets ANSI A156.6 for J403 Pulls
- **Face:** 1-15/16” x 3” (49 mm x 76 mm)
- **Projection:** 1/16” (1.5 mm)
- **Opening:** 27/32” x 2-3/8” (22 mm x 60 mm)
- **Cup Clearance:** 5/8” (16 mm)
- **Materials:** Brass
- **Fasteners:** Two (2) #8 x 3/4” OPHWS
- **Notes:** Fasteners concealed in cup

### 16R
*Finger Pull Plate*

- **Certification:** Meets ANSI A156.6 for combination J301 Pull Plate and J403 Pulls
- **Face:** 4” x 16” (102 mm x 406 mm)
- **Projection:** .050” (1.3 mm)
- **Opening:** 1-3/4” x 3-1/16” (44 x 78 mm)
- **Cup Clearance:** 13/16” (21 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Fasteners:** Ten (10) #6 x 5/8” OPHWS

### 17N
*Light Duty Flush Cup Pull*

- **Certification:** Meets ANSI A156.6 for J403 Pulls
- **Face:** 2-1/2” x 3-31/32” (64 mm x 101 mm)
- **Projection:** 3/32” (2.4 mm)
- **Opening:** 1-11/32” x 3-13/32” (34 mm x 87 mm)
- **Cup Clearance:** 5/8” (16 mm)
- **Materials:** Brass
- **Fasteners:** Two (2) #8 x 13/16” OPHWS
- **Notes:** Fasteners concealed in cup

### 25B
*Security Flush Pull Set*

- **Certification:** Meets ANSI A156.6 for J403 Pulls
- **Face:** 3-1/2” x 5” (89 mm x 127 mm)
- **Opening:** 1-3/4” x 3-1/16” (45 mm x 78 mm)
- **Projection:** 3/16” (5 mm)
- **Cup Clearance:** 3/4” (19 mm)
- **Door Thickness:** 1-3/4” (45 mm) - Standard
- **Materials:** Stainless steel
- **Finishes:** US32D
- **Fasteners:** Two (2) 6-32 x 1-1/2” FPHMS (Security Torx)
- **Notes:** Security pull thru-bolted to a 15P pull
**25C**

**Heavy Duty Flush Pull Set**

Certification: Meets ANSI A156.6 for J403 Pulls  
Face: 3-1/2” x 5” (89 mm x 127 mm)  
Opening: 1-3/4” x 3-1/16” (45 mm x 78 mm)  
Projection: 1/8” (3 mm)  
Cup Clearance: 3/4” (19 mm)  
Door Thickness: 1-3/4” (45 mm) - Standard  
Materials: Stainless steel  
Finishes: US32D  
Fasteners: Two (2) 6-32 OPHMS sex nuts and bolts  
Notes: Consists of two (2) 15C pulls mounted back to back

**25N**

**Flush Pull Set**

Certification: Meets ANSI A156.6 for J403 Pulls  
Face: 3-1/2” x 5” (89 mm x 127 mm)  
Opening: 1-3/4” x 3-1/16” (45 mm x 78 mm)  
Projection: 1/8” (3 mm)  
Cup Clearance: 3/4” (19 mm)  
Door Thickness: 1-3/4” (45 mm) - Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 6-32 OPHMS sex nuts and bolts  
Notes: Consists of two (2) 15N pulls mounted back to back

**25P**

**Security Finger Push/Pull Plate Set**

Certification: Meets ANSI A156.6 for combination J301 Push Plate and J403 Flush Pull  
Face: 4” x 16” (102 mm x 406 mm)  
Projection: 1/8” (3.2 mm)  
Opening: 1-3/4” x 3-1/16” (44 mm x 78 mm)  
Cup Clearance: 13/16” (21 mm)  
Materials: Stainless steel  
Finishes: US32D  
Fasteners: Six (6) 8-32 x 3/4” FPHMS (Security Torx) with sex nuts and bolts  
Notes: Consists of a 15 pull cup welded to a 100T push plate (Mounted in back to back fashion)

**26N**

**Security Finger Pull**

Certification: Meets ANSI A156.6 for J403 Pulls  
Face: 4” x 5” (102 mm x 127 mm)  
Projection: 1/8” (3.2 mm)  
Opening: 1-5/8” x 3” (41 mm x 76 mm)  
Cup Clearance: 13/16” (21 mm)  
Materials: Brass, stainless steel  
Fasteners: Four (4) 1/4-20 x 3/4” Undercut FPHMS (Security Torx)  
Notes: Cup welded to face
FLUSH CUP PULLS

27N
Security Flush Cup Pull
Certification: Meets ANSI A156.6 for J403 Pulls
Face: 5" x 5" (127 mm x 127 mm)
Projection: 3/8" (9.5 mm)
Opening: 3" x 3-1/2" (76 mm x 89 mm)
Cup Clearance: 7/8" (22 mm)
Materials: Stainless steel
Finishes: US32D
Fasteners: Four (4) 10-24 FPHMS (Security Torx) sex nuts and bolts (compatible with 1-3/4" doors only)
Notes: • ADA Compliant
• Not available for back to back mounting

27P
Security Flush Cup Pull
Certification: Meets ANSI A156.6 for J403 Pulls
Face: 5" x 5" (127 mm x 127 mm)
Projection: 3/8" (9.5 mm)
Opening: 3" x 3-1/2" (76 mm x 89 mm)
Cup Clearance: 7/8" (22 mm)
Materials: Stainless steel
Finishes: US32D
Fasteners: Four (4) 1/4-20 x 3/4“ Undercut FPHMS (Security Torx)
Notes: • ADA Compliant
• Not available for back to back mounting
### Pull Plates

#### 30, 40, 50 Series
**Pull Plate**
- **Gauge:** 0.050” (1.3 mm)
- **Certification:** Meets ANSI A156.6 for J405 Pull Plate

#### A30, A40, A50 Series
**Pull Plate**
- **Gauge:** 0.062” (1.6 mm)
- **Certification:** Meets ANSI A156.6 for J405 Pull Plate

### How To Order:
1. Identify plate (ex: 30 Series)
2. Add pull (ex.: 3G) 
3. Add to order (ex: 33G)

### Pull Plate Chart

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<th>Radius Corner</th>
<th>Rounded Corner</th>
<th>Pull Plate Part Number</th>
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<td>Pull Plate Chart</td>
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</table>

**Materials:** Aluminum, brass, bronze, stainless steel

**Standard Sizes:**
- 3” x 12” (76 mm x 305 mm), 3-1/2” x 15” (89 mm x 381 mm), 4” x 16” (102 mm x 406 mm), 6” x 16” (152 mm x 406 mm)*, 8” x 16” (203 mm x 406 mm)* - *(size not available for 50 and A50 Series)

**Fasteners:**
- Six (6) #6 x 5/8 OPH tapping screws

**Finishes:**

**Notes:**
- • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
- • Plate only - does not include pull

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**80, 90, 100 Series**

**Pull Plate**
- **Gauge:** 0.125” (3.2 mm)
- **Certification:** Meets ANSI A156.6 for J407 Pull Plate

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**Materials:** Aluminum, brass, bronze, stainless steel

**Standard Sizes:**
- 3” x 12” (76 mm x 305 mm), 3-1/2” x 15” (89 mm x 381 mm), 4” x 16” (102 mm x 406 mm), 6” x 16” (152 mm x 406 mm)*, 8” x 16” (203 mm x 406 mm)* - *(size not available for 50 and A50 Series)

**Fasteners:**
- Six (6) #6 x 5/8 OPH tapping screws

**Finishes:**

**Notes:**
- • For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
- • Plate only - does not include pull

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**30, 40, 50 Series**

**Pull Plate**
- **Gauge:** 0.050” (1.3 mm)
- **Certification:** Meets ANSI A156.6 for J405 Pull Plate

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**A30, A40, A50 Series**

**Pull Plate**
- **Gauge:** 0.062” (1.6 mm)
- **Certification:** Meets ANSI A156.6 for J405 Pull Plate
### 313S
#### Antivandal Trim

**Certification:** Meets ANSI A156.6 for J401 Pull and ANSI A156.6 for J407 Pull Plate

**Size:** 7-13/32” x 11” (181 mm x 280 mm)

**Height:** 11” (280 mm)

**Projection:** 1-7/8” (48 mm)

**Clearance:** 1-5/8” (41 mm)

**Door Thickness:** 1-3/4” – 2” (45 mm - 51 mm)

**Materials:** 11 gauge stainless steel

**Finishes:** US32D

**Fasteners:** 1/4-20 FHMS with finish washers - Standard

**Options:**
- Cylinder cutout available - 1-1/4” (32 mm) diameter standard for exit device use and 1-1/2” (38 mm) diameter standard for mortise lock use
- Plastisol grip available

**Notes:**
- For use with most mortise locks on in-swinging and out-swinging doors
- For use with many exit devices (thru bolts directly to device)
- Cylinders must be ordered separately
- When mounting trim to a Hager exit device, cylinder collar (2-649-0137) must be purchased to ensure proper installation (see instructions for more detail)
- When mounting trim to a Hager exit device, a 7/16” (11 mm) tall cylinder collar must be purchased when using a 1-1/4” - 1-3/8” (32 mm - 35 mm) long rim cylinder (see instructions for more detail)

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### 313L
#### Antivandal Trim with Latchguard

**Certification:** Meets ANSI A156.6 for J401 Pull and ANSI A156.6 for J407 Pull Plate

**Size:** 6-11/32” x 11” (161 mm x 280 mm)

**Height:** 11” (280 mm)

**Projection:** 1-7/8” (48 mm)

**Clearance:** 1-5/8” (41 mm)

**Door Thickness:** 1-3/4” – 2” (45 mm - 51 mm)

**Materials:** 11 gauge stainless steel

**Finishes:** US32D

**Fasteners:** 1/4-20 FHMS with finish washers - Standard

**Options:**
- Cylinder cutout available - 1-1/4” (32 mm) diameter standard for exit device use and 1-1/2” (38 mm) diameter standard for mortise lock use
- Plastisol grip available

**Notes:**
- For use with most mortise locks on out-swinging doors
- For use with many exit devices (thru bolts directly to device)
- Cylinders must be ordered separately
- When mounting trim to a Hager exit device, cylinder collar (2-649-0137) must be purchased to ensure proper installation (see instructions for more detail)
- When mounting trim to a Hager exit device, a 7/16” (11 mm) tall cylinder collar must be purchased when using a 1-1/4” - 1-3/8” (32 mm - 35 mm) long rim cylinder (see instructions for more detail)
### 30S | A30S
**Square Corner - Beveled Push Plate**
- **Certification:** Meets ANSI A156.6 for J301 Push Plate
- **Gauge:**
  - 30S - 0.050” (1.3 mm)
  - A30S - 0.062” (1.6 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Fasteners:** Six (6) #6 x 5/8” OPH tapping screws
- **Options:** May be ordered cut for cylinder (CFC) or engraved "PUSH"
- **Notes:** For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

<table>
<thead>
<tr>
<th>Available in Sizes</th>
<th>3 x 12</th>
<th>3-1/2 x 15</th>
<th>4 x 16</th>
<th>6 x 16</th>
<th>8 x 16</th>
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</thead>
<tbody>
<tr>
<td>Inches</td>
<td>76 x 305</td>
<td>89 x 38</td>
<td>102 x 406</td>
<td>152 x 406</td>
<td>203 x 406</td>
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<tr>
<td>Millimeters</td>
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### 40R | A40R
**Radius Corner - Non-Beveled Push Plate**
- **Certification:** Meets ANSI A156.6 for J301 Push Plate
- **Gauge:**
  - 40R - 0.050” (1.3 mm)
  - A40R - 0.062” (1.6 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Fasteners:** Six (6) #6 x 5/8” OPH tapping screws
- **Options:** May be ordered cut for cylinder (CFC) or engraved "PUSH"
- **Notes:** For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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### 50T | A50T
**Round Corner - Non-Beveled Push Plate**
- **Certification:** Meets ANSI A156.6 for J301 Push Plate
- **Gauge:**
  - 50T - 0.050” (1.3 mm)
  - A50T - 0.062” (1.6 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Fasteners:** Six (6) #6 x 5/8” OPH tapping screws
- **Options:** May be ordered cut for cylinder (CFC) or engraved "PUSH"
- **Notes:** For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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</tbody>
</table>
### 60S Square Corner - Beveled Push Plate
- **Certification:** Meets ANSI A156.6 for J304 Push Plate
- **Gauge:** 0.125” (3.2 mm)
- **Materials:** Plastic laminate
- **Finishes:** PG - Grey, PK - Black, CO - Brown
- **Fasteners:** Six (6) #6 x 5/8” OPH tapping screws
- **Options:** May be ordered cut for cylinder (CFC) or engraved “PUSH”
- **Notes:** For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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</tbody>
</table>

### 70S Square Corner - Beveled Push Plate
- **Certification:** Meets ANSI A156.6 for J304 Push Plate
- **Gauge:** 0.125” (3.2 mm)
- **Materials:** Clear plastic laminate
- **Finishes:** PC - Clear
- **Fasteners:** Six (6) #6 x 5/8” OPH tapping screws
- **Options:** May be ordered cut for cylinder (CFC) or engraved “PUSH”
- **Notes:** For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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<tbody>
<tr>
<td>Inches</td>
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<td>Millimeters</td>
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</tbody>
</table>

### 80S Square Corner - Beveled Push Plate
- **Certification:** Meets ANSI A156.6 for J304 Push Plate
- **Gauge:** 0.125” (3.2 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Fasteners:** Six (6) #6 x 5/8” OPH tapping screws
- **Options:** May be ordered cut for cylinder (CFC) or engraved “PUSH”
- **Notes:** For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

<table>
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<tbody>
<tr>
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<td>Millimeters</td>
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**PUSH PLATES**

**90R**
**Radius Corner - Non-Beveled Push Plate**
Certification: Meets ANSI A156.6 for J304 Push Plate
Gauge: 0.125” (3.2 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Six (6) #6 x 5/8” OPH tapping screws
Options: May be ordered cut for cylinder (CFC) or engraved "PUSH"
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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**100T**
**Square Corner - Rounded Bevel Top and Bottom Push Plate**
Certification: Meets ANSI A156.6 for J304 Push Plate
Gauge: 0.125” (3.2 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Six (6) #6 x 5/8” OPH tapping screws
Options: May be ordered cut for cylinder (CFC) or engraved “PUSH”
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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**110S**
**Half Circle Push Plate**
Certification: Meets ANSI A156.6 for J301 Push Plate
Gauge: 0.050” (1.3 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Six (6) #6 x 5/8” OPH tapping screws
Options: May be ordered cut for cylinder (CFC) or engraved “PUSH”
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
**120L**

**Pull Plate with Lip - Non-Beveled**

Certification: Meets ANSI A156.6 for J303 Plate  
Plate: 3-1/2” x 16” (89 mm x 406 mm)  
Lip Projection: 1-1/8” (29 mm)  
Gauge: 0.125” (3.2 mm)  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Six (6) #6 x 5/8” OPH tapping screws  
Options:  
- Other sizes available, please specify  
- May be ordered cut for cylinder (CFC) or engraved  
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**121L**

**Cylinder Pull - Beveled**

Plate: 2” x 3-3/4” (51 mm x 95 mm)  
Lip Projection: 1-1/8” (29 mm)  
Cylinder Cutout: 1-1/4” (32 mm) diameter  
Gauge: 0.125” (3.2 mm)  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Attached by lock cylinder  
Notes:  
- 1/4”-20 x 3/8” stud installed on reverse side to eliminate twisting  
- For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

**122L**

**Security Pull/Push Plate Set - Beveled**

Certification: Meets ANSI A156.6 for combination J304 Push Plate and J303 Flush Pull  
Push Plate: 4” x 16” (102 mm x 406 mm)  
Pull Plate: 4” x 9-1/4” (102 mm x 235 mm)  
Lip Projection: 2-1/8” (54 mm)  
Gauge: 0.125” (3.2 mm)  
Materials: Stainless steel  
Finishes: US32D  
Fasteners: Four (4) 8-32 FPHMS (Security Torx) sex nuts and bolts  
Two (2) 8-32 x 1/2” FPHMS (Security Torx)  
Notes: For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability
125S
Bent Push Bar
Certification: Meets ANSI A156.6 for J501 Push Bar
Bar Size: 3/8” x 1-1/4” (10 mm x 32 mm)
Projection: 2-1/8” (54 mm)
Base Plate: 1” x 3” (25 mm x 76 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) #8 x 3/4” FPH tapping screws and one (1) 1/4 - 20 OPHMS
Options: May be ordered with thru bolts in place of surface screws

126S
Push Bar
Certification: Meets ANSI A156.6 for J501 Push Bar
Bar Size: 3/8” x 1-1/4” (10 mm x 32 mm)
Projection: 2-1/8” (54 mm)
Base Plate: 1” x 3” (25 mm x 76 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Four (4) #8 x 3/4” FPH tapping screws
Options: May be ordered with thru bolts in place of surface screws

127S
Push Bar
Certification: Meets ANSI A156.6 for J501 Push Bar
Bar Size: 3/8” x 1-1/4” (10 mm x 32 mm)
Projection: 3/4” (19 mm)
Base Plate: 1-1/4” x 1-1/4” (32 mm x 32 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Two (2) 1/4-20 FPHMS
Options: May be ordered with thru bolts in place of surface screws

128P
Wide Push Bar
Certification: Meets ANSI A156.6 for J501 Push Bar
Bar Size: 3/8” x 3” (10 mm x 76 mm)
Projection: 2-1/8” (54 mm)
Base Plate: 1-1/2” x 4-1/2” (38 mm x 114 mm)
Materials: Aluminum, brass, bronze, stainless steel
Fasteners: Eight (8) #8 x 3/4” FPH tapping screws
**PUSH BARS**

**128S**  
**Wide Push Bar**  
Certification: Meets ANSI A156.6 for J501 Push Bar  
Bar Size: 3/8” x 3” (10 mm x 76 mm)  
Projection: 2” (51 mm)  
Base Plate: 1-1/2” x 4-1/2” (38 mm x 114 mm)  
Door Thickness: 1-3/4” (45 mm) - Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 1/4 - 20 x 2-1/4” FPHMS with finish washers  
Notes: 128S is same as 128P, but without base plates

**129P**  
**Wide Push Bar**  
Certification: Meets ANSI A156.6 for J501 Push Bar  
Bar Size: 3/8” x 3” (10 mm x 76 mm)  
Projection: 3/4” (19 mm)  
Base Plate: 1” x 3” (25 mm x 76 mm)  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 1/4-20 x 1-1/4” FPHMS  
Options:  
• May be ordered with thru bolts in place of surface screws  
• #14 Flat head wood screws available on special order

**130S**  
**Round Push Bar**  
Certification: Meets ANSI A156.6 for J501 Push Bar  
Bar Stock: 1” (25 mm)  
Projection: 2-1/2” (64 mm)  
Door Thickness: 1-3/4” (45 mm) - Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 1/4-20 x 20 x 2-1/4” FPHMS with finish washers  
Options: May be ordered with Type 5 concealed mountings at extra charge

**131S**  
**Round Push Bar**  
Certification: Meets ANSI A156.6 for J501 Push Bar  
Bar Stock: 1” (25 mm)  
Projection: 2-5/8” (67 mm)  
Base Diameter: 2” (51 mm)  
Door Thickness: 1-3/4” (45 mm) - Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 1/4-20 x 2-1/4” FPHMS with finish washers  
Options: May be ordered with Type 5 concealed mountings at extra charge
**133S Round Push Bar**
- Certification: Meets ANSI A156.6 for J501 Push Bar
- Bar Stock: 3/4” (19 mm)
- Projection: 2-1/4” (57 mm)
- Door Thickness: 1-3/4” (45 mm) - Standard
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 1/4 - 20 x 2-1/4” FPHMS with finish washers

**134S Round Push Bar**
- Certification: Meets ANSI A156.6 for J501 Push Bar
- Bar Stock: 3/4” (19 mm)
- Projection: 2-3/8” (60 mm)
- Base Diameter: 1-1/4” (32 mm)
- Door Thickness: 1-3/4” (45 mm) - Standard
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 1/4 - 20 x 2-1/4” FPHMS with finish washers
- Options: May be ordered with Type 5 concealed mountings at extra charge

**136S Round Push Bar**
- Certification: Meets ANSI A156.6 for J501 Push Bar
- Bar Stock: 1-1/4” (32 mm)
- Projection: 3” (76 mm)
- Door Thickness: 1-3/4” (45 mm) - Standard
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 5/16 - 18 x 2-1/4” FPHMS with finish washers
- Options: May be ordered with Type 5 concealed mountings at extra charge

**137S Round Push Bar**
- Certification: Meets ANSI A156.6 for J501 Push Bar
- Bar Stock: 1-1/4” (32 mm)
- Projection: 3-1/8” (79 mm)
- Base Diameter: 2” (51 mm)
- Door Thickness: 1-3/4” (45 mm) - Standard
- Materials: Aluminum, brass, bronze, stainless steel
- Fasteners: Two (2) 5/16 - 18 x 2-1/4” FPHMS with finish washers
- Options: May be ordered with Type 5 concealed mountings at extra charge
138P
Round Push/Pull Set  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 1” (25 mm)  
Projection: 2-1/2” (64 mm)  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 1/4-20 Type 3 concealed cone

139P
Round Push/Pull Set  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 3/4” (19 mm)  
Projection: 2-1/4” (60 mm)  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 1/4-20 Type 3 concealed cone

140P
Round Push/Pull Set  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 1-1/4” (32 mm)  
Projection: 3” (76 mm)  
Materials: Aluminum, brass, bronze, stainless steel  
Fasteners: Two (2) 5/16-18 Type 3 concealed cone

150D  |  150V  |  150B  
Round Push/Pull Set*  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 3/4” (19 mm)  
Projection: 2-1/4” (57 mm)  
Pull CTC: 8” (203 mm)  
Materials: Aluminum, brass, bronze, stainless steel  

*  
D = Standard Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 1/4-20 Type 1 connections for other ends of push bar and pull.  
V = Fully Concealed Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 1/4-20 Type 5 connections for ends of push bar and pull.  
B = Tempered Glass Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 1/4-20 Type 8 connections for ends of push bar and pull plus gaskets that separate metal parts from glass.
**PUSH & PULL BAR SETS**

**151D | 151V | 151B**  
Round Push/Pull Set*  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 3/4” (19 mm)  
Projection: 2-1/4” (57 mm)  
Pull CTC: 10” (254 mm)  
Materials: Aluminum, brass, bronze, stainless steel  

**152D | 152V | 152B**  
Round Push/Pull Set*  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 3/4” (19 mm)  
Projection: 2-1/4” (57 mm)  
Pull CTC: 12” (305 mm)  
Materials: Aluminum, brass, bronze, stainless steel  

**153D | 153V | 153B**  
Round Push/Pull Set*  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 1” (25 mm)  
Projection: 2-1/2” (64 mm)  
Pull CTC: 10” (254 mm)  
Materials: Aluminum, brass, bronze, stainless steel  

**154D | 154V | 154B**  
Round Push/Pull Set*  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 1” (25 mm)  
Projection: 2-1/2” (64 mm)  
Pull CTC: 12” (305 mm)  
Materials: Aluminum, brass, bronze, stainless steel  

* **D = Standard Fastening** - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 1/4-20 Type 1 connections for other ends of push bar and pull.  
  **V = Fully Concealed Fastening** - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 1/4-20 Type 5 connections for ends of push bar and pull.  
  **B = Tempered Glass Fastening** - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 1/4-20 Type 8 connections for ends of push bar and pull plus gaskets that separate metal parts from glass.
**155D | 155V | 155B**  
**Round Push/Pull Set***  
Certification: Meets ANSI A156.6 for J504 Bar Sets  
Bar Stock: 1” (25 mm)  
Projection: 2-1/2” (64 mm)  
Pull CTC: 18” (457 mm)  
Materials: Aluminum, brass, bronze, stainless steel  

* **D** = Standard Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 1 connections for other ends of push bar and pull.  

**V** = Fully Concealed Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 5 connections for ends of push bar and pull.  

**B** = Tempered Glass Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 8 connections for ends of push bar and pull plus gaskets that separate metal parts from glass.

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**156D | 156V | 156B**  
**Round Push/Pull Set***  
Certification: Meets ANSI A156.6 for J505 Bar Sets  
Bar Stock: 3/4” (19 mm) diameter  
Pull Bar Projection: 2-1/2” (64 mm)  
Push Bar Projection: 2-1/4” (57 mm)  
Pull CTC: 8” (203 mm)  
Offset: 2-1/2” (64 mm), 90° Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Options: For 45° offset pull, add prefix “X” (i.e., X156D) to number  
Notes: Non-reversible; specify handing

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**157D | 157V | 157B**  
**Round Push/Pull Set***  
Certification: Meets ANSI A156.6 for J505 Bar Sets  
Bar Stock: 3/4” (19 mm) diameter  
Pull Bar Projection: 2-1/2” (64 mm)  
Push Bar Projection: 2-1/4” (57 mm)  
Pull CTC: 10” (254 mm)  
Offset: 2-1/2” (64 mm), 90° Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Options: For 45° offset pull, add prefix “X” (i.e., X157D) to number  
Notes: Non-reversible; specify handing

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**158D | 158V | 158B**  
**Round Push/Pull Set***  
Certification: Meets ANSI A156.6 for J505 Bar Sets  
Bar Stock: 3/4” (19 mm) diameter  
Pull Bar Projection: 2-1/2” (64 mm)  
Push Bar Projection: 2-1/4” (57 mm)  
Pull CTC: 12” (305 mm)  
Offset: 2-1/2” (64 mm), 90° Standard  
Materials: Aluminum, brass, bronze, stainless steel  
Options: For 45° offset pull, add prefix “X” (i.e., X158D) to number  
Notes: Non-reversible; specify handing
PUSH & PULL BAR SETS

159D | 159V | 159B
Round Push/Pull Set*
Certification: Meets ANSI A156.6 for J505 Bar Sets
Bar Stock: 1” (25 mm)
Projection: 2-1/2” (64 mm)
Pull CTC: 10” (254 mm)
Offset: 3” (76 mm), 90° Standard
Materials: Aluminum, brass, bronze, stainless steel
Options: For 45° offset pull, add prefix “X” to number (i.e., X159D)
Notes: Non-reversible; specify handing

160D | 160V | 160B
Round Push/Pull Set*
Certification: Meets ANSI A156.6 for J505 Bar Sets
Bar Stock: 1” (25 mm)
Projection: 2-1/2” (64 mm)
Pull CTC: 12” (305 mm)
Offset: 3” (76 mm), 90° Standard
Materials: Aluminum, brass, bronze, stainless steel
Options: For 45° offset pull, add prefix “X” to number (i.e., X160D)
Notes: Non-reversible; specify handing

161D | 161V | 161B
Round Push/Pull Set*
Certification: Meets ANSI A156.6 for J505 Bar Sets
Bar Stock: 1” (25 mm)
Projection: 2-1/2” (64 mm)
Pull CTC: 18” (457 mm)
Offset: 3” (76 mm), 90° Standard
Materials: Aluminum, brass, bronze, stainless steel
Options: For 45° offset pull, add prefix “X” to number (i.e., X161D)
Notes: Non-reversible; specify handing

164D | 164V | 164B
Round Push/Pull Set*
Certification: Meets ANSI A156.6 for J504 Bar Sets
Bar Stock: 1-1/4” (32 mm)
Projection: 3” (76 mm)
Pull CTC: 12” (305 mm)
Materials: Aluminum, brass, bronze, stainless steel

* D = Standard Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 1 connections for other ends of push bar and pull.
V = Fully Concealed Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 5 connections for ends of push bar and pull.
B = Tempered Glass Fastening - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 8 connections for ends of push bar and pull plus gaskets that separate metal parts from glass.
PUSH & PULL BAR SETS

**165D | 165V | 165B**
Round Push/Pull Set*

- **Certification:** Meets ANSI A156.6 for J504 Bar Sets
- **Bar Stock:** 1-1/4” (32 mm)
- **Projection:** 3” (76 mm)
- **Pull CTC:** 18” (457 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel

**167D | 167V | 167B**
Round Push/Pull Set*

- **Certification:** Meets ANSI A156.6 for J505 Bar Sets
- **Bar Stock:** 1-1/4” (32 mm)
- **Projection:** 3” (76 mm)
- **Pull CTC:** 18” (457 mm)
- **Offset:** 3-3/4” (96 mm), 90° Standard
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Notes:** Non-reversible; specify handing

**170D**
Push/Pull Set

- **Certification:** Meets ANSI A156.6 for J502 Bar Sets
- **Bar Stock:** 3/8” x 1-1/4” (10 mm x 32 mm)
- **Pull Bar Projection:** 2-1/2” (64 mm)
- **Push Bar Projection:** 3/4” (19 mm)
- **Base:** 1-1/4” x 1-1/4” (32 x 32 mm)
- **Horizontal Spacing CTC:** 8” (203 mm)
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Notes:** Bars are mounted back to back with 1/4”-20 thru bolt type 4 mounting

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* **D = Standard Fastening** - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 1 connections for other ends of push bar and pull.

* **V = Fully Concealed Fastening** - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 5 connections for ends of push bar and pull.

* **B = Tempered Glass Fastening** - One (1) 3/8-16 Type 7 spanner collar connection between push bar and pull plus two (2) 5/16-18 Type 8 connections for ends of push bar and pull plus gaskets that separate metal parts from glass.

All push bar units are made to order. Specify CTC lengths, fastening method unless standard, and type of door (WO, HM, AL, etc.).
DOOR EDGINGS & CORNER GUARDS

180H | 180K | 180M | 180P | 180Q
Mortise Door Edging
Certification: Meets ANSI A156.6 Door Edging Type J201 through J212
Standard Length: 36” – 42” (914 mm – 1067 mm)
Materials: Aluminum, stainless steel
Gauge: 0.045” - 0.050” (1.1 mm - 1.3 mm)
Finishes: US28, US32D
Fasteners: #6 x 3/4” FPH tapping screws
Options:
- Other lengths by quotation
- Hinge cutout available
- Latch cutout available
- UL rated edging available

Order:
- Provide actual rather than typical door thickness
- Provide item #, size and finish (i.e., 180H - 40"-32D)

Notes:
- Cutout will hand edging; specify handing information
- Standard edge guards are made for 1-3/4” +0, -1/32” thick doors

180H 180K 180M 180P 180Q

181H | 181K | 181M | 181P | 181Q
Overlap Door Edging
Certification: Meets ANSI A156.6 Door Edging Type J201 through J212
Standard Length: 36” – 42” (914 mm – 1067 mm)
Materials: Aluminum, stainless steel
Gauge: 0.045” - 0.050” (1.1 mm - 1.3 mm)
Finishes: US28, US32D
Fasteners: #6 x 3/4” FPH tapping screws
Options:
- Other lengths by quotation
- Hinge cutout available
- Latch cutout available
- UL rated edging available

Order:
- Provide actual rather than typical door thickness
- Provide item #, size and finish (i.e., 181H - 40"-32D)

Notes:
- Cutout will hand edging; specify handing information
- Standard edge guards are made for 1-3/4” +0, -1/32” thick doors

181H 181K 181M 181P 181Q
182H | 182K | 182M | 182P | 182Q
Non-Mortise Door Edging

Certification: Meets ANSI A156.6 Door Edging Type J201 through J212
Standard Length: 36” – 42” (914 mm – 1067 mm)
Materials: Aluminum, stainless steel
Gauge: 0.045” - 0.050” (1.1 mm - 1.3 mm)
Finishes: US28, US32D
Fasteners: #6 x 3/4” FPH tapping screws
Options: • Other lengths by quotation
• Hinge cutout available
• Latch cutout available
• UL rated edging available
Order: • Provide actual rather than typical door thickness
• Provide item #, size and finish (i.e., 182H - 40”-32D)
Notes: • Cutout will hand edging; specify handing information
• Standard edge guards are made for 1-3/4” +0, -1/32” thick doors

185G
Corner Guard

Certification: Meets ANSI A156.6 for J210
Size: 3” x 3” x 40” (76 mm x 76 mm x 1016 mm)
Gauge: 0.050” (1.3 mm)
Materials: Aluminum, stainless steel
Finishes: US28, US32D
Fasteners: #6 x 5/8” FPHSMS self drilling screws
Options: Mounting with double-stick tape instead of screws
Notes: • 90° bend standard
• Other lengths by quotation
**Door Protection Plates**

The metal door protection plates below meet ANSI A156.6 for J101 Metal Armor Plate, J102 Metal Kickplate, and J103 Metal Mop Plate. The plastic door protection plates below meet ANSI A156.6 for J105 Plastic Armor Plate, J106 Plastic Kickplate, and J107 Plastic Mop Plate. Options for all plates include countersunk holes, UL armor plate stamped, self-adhesive tape, spanner head screws, torx head screws, round corners, wrap around side and bottom return, and 0.125” (3.2 mm) material. All plates below are supplied standard with #6 x 5/8” truss head screws (unless specified otherwise). They are available in mop plate, kick plate, stretcher plate, and armor plate sizes.

**Mop Plate:** Protects the bottom of the pull side of doors subject to cleaning and mopping procedures.

**Kick Plate:** Protects the bottom of the push side of doors subject to scuffing from foot traffic.

**Stretcher Plate:** Protects doors in specific areas where constant contact is made by stretchers, service carts, or other equipment.

**Armor Plate:** Protects lower half of doors from abuse by carts, trucks, and rough usage.

**NFPA 80 STANDARD 6.4.5.1/6.4.5.2 /6.4.5.3 Protection Plates**

- Factory installed protection plates shall be installed in accordance with the listing of the door.
- Field installed protection plate shall be labeled and installed in accordance with their listing.
- Labeling is not required where the top of the protection plate is not more than 16” (406 mm) above the bottom of the door.

**190S**

- **Thickness:** 0.050” (1.3 mm)
- **U.S. Gauge:** 18
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Bevel:** 4 edges
- **Options:** UL Listed for US32 and US32D*

**198S**

- **Thickness:** 0.038” (0.8 mm)
- **U.S. Gauge:** 20
- **Materials:** Stainless steel
- **Finishes:** US32D
- **Options:** UL Listed*

**199B**

- **Thickness:** 0.038” (0.8 mm)
- **U.S. Gauge:** 20
- **Materials:** Aluminum
- **Finishes:** Bright gold anodized
- **Fasteners:** #6 x 5/8” TPH Tapping Screws
- **Options:** UL Listed*

**204S**

- **Thickness:** 0.125” (3.2 mm)
- **Materials:** Clear plastic
- **Bevel:** 4 edges

**214S**

- **Thickness:** 0.125” (3.2 mm)
- **Materials:** Plastic laminate
- **Bevel:** 4 edges
- **Colors:** Black, Brown, Grey
- **Notes:** Other colors are available and will be subject to minimum order quantities; priced on application

**220S**

- **Thickness:** 0.062” (1.6 mm)
- **U.S. Gauge:** 16
- **Materials:** Aluminum, brass, bronze, stainless steel
- **Bevel:** 4 edges

**225S**

- **Thickness:** 0.060” (1.9 mm)
- **Materials:** Kydex®
- **Colors:** CBO - Calcutta Black, KGO - Beige, KHO - Chocolate
- **Notes:** Other colors are available and will be subject to minimum order quantities; priced on application
- **Options:** UL Listed*

*Must specify UL stamp. UL labeling not required when top of plate is less than 16” above the bottom of the door. Screw fasteners only.
230W
Convex Wall Stop
Certification: Meets ANSI A156.16 for L02101
Diameter: 2-15/32” (63 mm)
Projection: 1-3/32” (28 mm)
Materials: Cast brass, bronze with grey rubber bumper
Fasteners: One (1) #10 x 1-1/2” PPHWS with plastic and toggle anchor.
Notes: • Concealed tamper proof mounting
• Easy installation by inserting screwdriver through small hole in bumper
• Specify 230T for machine screw and toggle nut screwpack (10 pk)

232W
Convex Wall Stop
Certification: Meets ANSI A156.16 for L02101
Diameter: 2-7/16” (62 mm)
Projection: 1” (25 mm)
Materials: Wrought brass, bronze, stainless steel with grey rubber bumper
Fasteners: One (1) #10 x 1-1/2” PPHWS with plastic and toggle anchor
Notes: • Concealed tamper proof mounting
• Easy installation by inserting screwdriver through small hole in bumper
• Specify 230T for machine screw and toggle nut screwpack (10 pk)

234W
Concave Wall Stop
Certification: Meets ANSI A156.16 for L02251
Diameter: 2-15/32” (63 mm)
Projection: 1-3/32” (28 mm)
Materials: Cast brass, bronze with grey rubber bumper
Fasteners: One (1) #10 x 1-1/2” PPHWS w/ plastic and toggle anchor
Notes: • Easy installation by inserting screwdriver through small hole in rubber bumper
• Concealed tamper proof mounting
• Concave rubber bumper prevents damage to locksets with projecting buttons
• Specify 230T for machine screw and toggle nut screwpack (10 pk)

236W
Concave Wall Stop
Certification: Meets ANSI A156.16 for L02251
Diameter: 2-7/16” (75 mm)
Projection: 1” (25 mm)
Materials: Wrought brass, bronze, stainless steel with grey rubber bumper
Fasteners: One (1) #10 x 1-1/2” PPHWS w/ plastic and toggle anchor
Notes: • Easy installation by inserting screwdriver through small hole in rubber bumper
• Concealed tamper proof mounting
• Concave rubber bumper prevents damage to locksets with projecting buttons
• Specify 230T for machine screw and toggle nut screwpack (10 Pk)
**250W**

**Convex Wall Stop**

- Diameter: 1” (25 mm)
- Projection: 9/16” (14 mm)
- Materials: Cast brass
- Fasteners: One (1) #6 x 3/4” screw with plastic anchor and one (1) 0.052 diameter nail
- Notes:
  - Concealed mounting screw prevents vandalism
  - For use on drywall
  - Compact design

**251W**

**Concave Wall Stop**

- Diameter: 1-7/8” (48 mm)
- Projection: 25/32” (20 mm)
- Materials: Adhesive backed rubber bumper
- Finish: Grey only
- Notes:
  - Concave bumper prevents damage to locksets with projecting buttons
  - For areas where concealed mounting is not required
  - Adhesive backing for use on clean smooth flat surfaces only

**254S**

**Wall Stop & Holder**

- Certification: Meets ANSI A156.16 for L01341
- Base Diameter: 2-11/32” (60 mm)
- Base Projection: 3-1/2” (89 mm)
- Engaged Projection: 5-19/32” (142 mm)
- Keeper: 1” x 2” (25 mm x 51 mm)
- Materials: Cast brass with black rubber bumper
- Fasteners: Five (5) #10 x 1” FPHWS, and three (3) plastic anchors
- Notes:
  - For use on drywall
  - Manual holder ideal for interior and exterior applications
  - Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged
  - Ideal for use with locksets with a projection of 3-5/16” (84 mm) or less

**254W**

**Wall Stop & Holder**

- Certification: Meets ANSI A156.16 for L01351
- Base Diameter: 2-11/32” (60 mm)
- Base Projection: 3-1/2” (89 mm)
- Engaged Projection: 5-19/32” (142 mm)
- Keeper: 1” x 2” (25 mm x 51 mm)
- Materials: Cast brass with black rubber bumper
- Fasteners: Three (3) #10 x 1” FPH tapping screw, one (1) plastic anchor, one (1) 5/16-18 x 2-1/2” threaded stud, and one (1) 5/16-18 lead anchor
- Notes:
  - For use on concrete walls
  - Manual holder ideal for interior and exterior applications
  - Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged
  - Ideal for use with locksets with a projection of 3-5/16” (84 mm) or less
**255S Wall Stop**

Certification: Meets ANSI A156.16 for L02011
Base Diameter: 2-11/32" (60 mm)
Projection: 3-11/16" (94 mm)
Materials: Cast brass with black rubber bumper
Fasteners: Three (3) #10 x 1” OPHWS and three (3) plastic anchors
Notes: • For use on drywall
• Ideal for interior and exterior applications
• Heavy duty - for use in high traffic areas
• Ideal for use with locksets with a projection of 3” (76 mm) or less

**255W Wall Stop**

Certification: Meets ANSI A156.16 for L02021
Base Diameter: 2-11/32" (60 mm)
Projection: 3-11/16" (94 mm)
Materials: Cast brass with black rubber bumper
Fasteners: One (1) #10 x 1” OPHWS, one (1) plastic anchor, one (1) 5/16-18 lead anchor, one (1) 5/16-18 x 2-1/2” threaded stud, one (1) 5/16-18 x 2-1/2” combo threaded stud
Notes: • For use on drywall
• Ideal for interior and exterior applications
• Heavy duty - for use in high traffic areas
• Ideal for use with locksets with a projection of 3” (76 mm) or less

**256S Manual Wall Stop & Holder**

Certification: Meets ANSI A156.16 for L01341
Base Diameter: 2-1/4" (57 mm)
Base Projection: 3-3/4" (95 mm)
Engaged Projection: 5-11/16" (145 mm)
Keeper: 25/32” x 1-1/2” (20 mm x 38 mm)
Materials: Cast brass with black rubber bumper
Fasteners: Three (3) #10 x 1” OPHWS and three (3) plastic anchors
Notes: • For use on drywall
• Ideal for interior and exterior applications
• Heavy duty - for use in high traffic areas
• Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged
• Ideal for use with locksets with a projection of 3” (76 mm) or less
256W
Manual Wall Stop & Holder
Certification: Meets ANSI A156.16 for L01351
Base Diameter: 2-1/4” (57 mm)
Base Projection: 3-3/4” (95 mm)
Engaged Projection: 5-11/16” (145 mm)
Keeper: 25/32” x 1-1/2” (20 mm x 38 mm)
Materials: Cast brass with black rubber bumper
Finishes: US26D
Fasteners: Three (3) #14 x 1-1/2” FPHWS, three (3) 1/4-20 x 3/4” FPHMS, three (3) plastic anchors, and three (3) 1/4-20 lead anchors
Notes:
• For use with drywall or concrete walls
• Ideal for interior and exterior applications
• Heavy duty - for use in high traffic areas
• Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged
• Ideal for use with locksets with a projection of 3” (76 mm) or less

260W
Angled Wall Stop
Certification: Meets ANSI A156.16 for L02201
Base: 2-3/16” x 2-15/16” (56 mm x 75 mm)
Projection: 3-21/32” (93 mm)
Materials: Cast brass with black rubber bumper
Finishes: US26D
Fasteners: Three (3) #14 x 1-1/2” FPHWS, three (3) 1/4-20 x 3/4” FPHMS, three (3) plastic anchors, and three (3) 1/4-20 lead anchors
Notes:
• For use with drywall or concrete walls
• Sloping design resists vandalism
• Ideal for use with locksets with a projection of 3” (76 mm) or less

324W
Light Duty Wall Bumper
Certification: Meets ANSI A156.16 for L02031
Base Diameter: 1-1/4” (32 mm)
Projection: 3-1/4” (83 mm)
Tip Diameter: 5/8” (16 mm)
Materials: Cast brass, bronze with white rubber tip
Fastener: #10 x 7/8” wood thread
Notes:
• Replaceable rubber tip available
• Hex shape near the tip allows usage of a wrench for easier installation
326W
Automatic Wall Stop & Holder
Certification:          Meets ANSI A156.16 for L01293
Holder Base:          2-13/32” x 2-25/32” (61 mm x 71 mm)
Holder Projection:    2-5/16” (59 mm)
Engaged Projection:   3-5/8” (92 mm)
Strike Base:          1” x 2-1/16” (25 mm x 52 mm)
Strike Projection:    2” (51 mm)
Keeper:               1” x 2” (25 mm x 51 mm)
Materials:            Cast brass
Fasteners:            Five (5) #10 x 1” OPHWS, three (3) 10-24 x 1-1/4” FPHMS, and three (3)
                      plastic anchors
Notes:                • For use with wood or metal doors
                      • Holder is mounted on the door
                      • Roller is spring loaded to seat on strike - heavy duty rubber pad dampens sound
                        and shock
                      • Ideal for use with locksets with a projection of 3” (76 mm) or less

327W
Automatic Wall Stop & Holder
Certification:          Meets ANSI A156.16 for L11291
Holder Base:          3-1/16” x 3-1/2” (78 mm x 89 mm)
Holder Projection:    1-15/16” (49 mm)
Engaged Projection:   3-1/2” (89 mm)
Strike Diameter:      2-3/8” (60 mm)
Strike Projection:    3-1/16” (78 mm)
Materials:            Cast brass
Fasteners:            Three (3) #14 x 1-1/2” FPHWS, three (3) 1/4-20 x 3/4” FPHMS, four (4) 12-24 x
                      1” TPHMS, four (4) #12 x 1” TPHWS, and three (3) 1/4-20 lead anchors
Notes:                • For use with wood or metal doors
                      • For use with drywall or concrete walls
                      • Roller is spring loaded to seat on strike - heavy duty rubber pad dampens sound
                        and shock
                      • Strike is adjustable 45º left or right
                      • Holder has vertical adjustment once mounted on the door
                      • Ideal for use with locksets with a projection of 3” (76 mm) or less
                      • For doors up to 500 lbs
**271W**
**Roller Bumper**
- **Certification:** Meets ANSI A156.16 for L02193
- **Base Diameter:** 2” (51 mm)
- **Projection:** 4-1/2” (114 mm)
- **Materials:** Cast brass with grey rubber roller
- **Fasteners:** Three (3) #10 x 1” FPHWS, and three (3) plastic anchors
- **Notes:**
  - For use when two doors swing into each other at right angles (back to back)
  - Prevents damage to the door and door hardware

**272W**
**Roller Bumper**
- **Certification:** Meets ANSI A156.16 for L02193
- **Base Diameter:** 2” (51 mm)
- **Projection:** 6-1/4” (159 mm)
- **Materials:** Cast brass with grey rubber roller
- **Fasteners:** Three (3) #10 x 1” FPHWS, and three (3) plastic anchors
- **Notes:**
  - For use when two doors swing into each other at right angles (back to back)
  - Prevents damage to the door and door hardware

**273W**
**Curved Roller Bumper**
- **Certification:** Meets ANSI A156.16 for L12213
- **Projection:** 2-21/32” (67 mm)
- **Materials:** Cast brass with grey rubber roller
- **Fasteners:** Three (3) #10 x 1” FPHWS and three (3) plastic anchors
- **Notes:**
  - Used when two doors swing into each other at odd angles
  - Prevents damage to the door and door hardware
241F | BL241F
Dome Stop - Low
Certification: Meets ANSI A156.16 for L02142
Base Diameter: 1-11/16" (43 mm)
Base Thickness: 1/8" (3.2 mm)
Overall Height: 1" (25 mm)
Materials: Cast brass with grey rubber bumper
Fasteners: One (1) #14 x 1-1/2" FPHWS, one (1) 1/4-20 x 3/4" FPHMS, one (1) 1/4-20 lead anchor, and one (1) plastic anchor
Notes: • To be used independently or in conjunction with 246B
       • For use when no threshold is used (door not undercut)
       • For use with wood or concrete floors
       • BL241F is 241F case quantity 50

242F
Dome Stop - Universal
Certification: Meets ANSI A156.16 for L02162
Base Diameter: 1-11/16" (43 mm)
Base Thickness: 7/32" (5.5 mm)
Overall Height: 1-5/8 (41 mm)
Materials: Brass with grey rubber bumper
Fasteners: One (1) #14 x 1-1/2" FPHWS, one (1) 1/4-20 x 3/4" FPHMS, one (1) 1/4-20 lead anchor, and one (1) plastic anchor
Notes: For use with wood or concrete floors

243F | BL243F
Dome Stop - High
Certification: Meets ANSI A156.16 for L02162
Base Diameter: 1-11/16" (43 mm)
Base Thickness: 7/16" (11 mm)
Overall Height: 1-9/32" (33 mm)
Materials: Cast brass with grey rubber bumper
Fasteners: One (1) #14 x 1-1/2" FPHWS, one (1) 1/4-20 x 1-1/4" FPHMS, one (1) 1/4-20 lead anchor, and one (1) plastic anchor
Notes: • For use with thresholds or undercut doors
       • For use with wood or concrete floors
       • BL243F is 243F case quantity 50

244F
Cast Floor Stop
Certification: Meets ANSI A156.16 for L02141
Base: 1-3/4" x 4" (45 mm x 102 mm)
Base Thickness: 5/32" (4 mm)
Overall Height: 1" (25 mm)
Materials: Cast brass with grey rubber bumper
Fasteners: Two (2) #14 x 1-1/2" FPHWS, two (2) 1/4-20 x 3/4" FPHMS, two (2) 1/4-20 lead anchor, and two (2) plastic anchor
Notes: • Heavy duty - for use in high traffic areas
       • For use when no thresholds are used (door not undercut)
       • For use with wood or concrete floors
245F  Cast Floor Stop
Certification: Meets ANSI A156.16 for L02161
Base: 1-3/4” x 4” (45 mm x 102 mm)
Base Thickness: 1/2” (13 mm)
Overall Height: 1-5/16” (33 mm)
Materials: Cast brass with grey rubber bumper
Fasteners: Two (2) #14 x 1-1/2” FPHWS, two (2) 1/4-20 x 1-1/4” FPHMS, two (2) 1/4-20 lead anchor, and two (2) plastic anchor
Notes: • Heavy duty - for use in high traffic areas
• For use with thresholds and undercut doors
• For use on wood or concrete floors

246B  Dome Stop Riser Plate
Diameter: 1-3/4” (45 mm)
Thickness: 3/8” (10 mm)
Fasteners: One (1) 1/4-20 x 1” FPHMS
Materials: Cast brass
Notes: For use with 241F on undercut doors, doors with thresholds, and carpeted flooring

248F  Modern Style Universal Stop
Base Diameter: 1-7/16” (37 mm)
Height: 1-1/2” (38 mm)
Materials: Brass with black rubber bumper
Finishes: US26, US26D
Fasteners: One (1) #12 x 1-1/4” FPHWS, one (1) plastic anchor, one (1) 1/4-20 x 1” FPHMS, and one (1) 1/4-20 lead anchor

248G  Modern Style Universal Stop
Base Diameter: 1-7/16” (37 mm)
Height: 1-1/2” (38 mm)
Materials: Brass with grey rubber bumper
Finishes: US26D
Fasteners: One (1) #12 x 1-1/4” FPHWS with plastic anchor and one (1) 1/4-20 x 1” FPHMS with lead anchor

249F  L-Shaped Floor Stop
Base: 1” x 2-1/2” x 7/32” thick (25 mm x 64 mm x 6 mm)
Base Thickness: 1/4” (6 mm)
Overall Height: 2-5/8” (67 mm)
Stop face: Resilient black rubber
Materials: Steel
Fasteners: Two (2) #14 x 1-1/2” FPHWS and two (2) plastic anchors
Notes: 1-1/2” (38 mm) max door to floor clearance
**252F**

**Floor Stop**

Certification: Meets ANSI A156.16 for L02131

Base: 1-9/16” x 2-1/2” (40 mm x 64 mm)

Overall Height: 2-11/16” (68 mm)

Materials: Cast brass with black rubber bumper


Fasteners: One (1) #14 x 1-1/2” FPHWS, one (1) 1/4-20 x 3/4” FPHMS, one (1) 5/16-18 lead anchor, one (1) 1/4-20 lead anchor, one (1) plastic anchor, one (1) 5/16-18 x 2-1/2” threaded stud, and one (1) 5/16-18 x 2-1/2” combo threaded stud

Notes: • Heavy duty - for use in high traffic areas
• For use on wood or concrete floors
• 2” (51 mm) max door to floor clearance

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**257F**

**Floor Stop**

Certification: Meets ANSI A156.16 for L02131

Base: 1-9/16” x 2-15/32” (40 mm x 63 mm)

Overall Height: 2” (51 mm)

Materials: Cast brass with black rubber bumper


Fasteners: One (1) #14 x 1-1/2” FPHWS, one (1) 1/4-20 x 3/4” FPHMS, one (1) 5/16-18 lead anchor, one (1) 1/4-20 lead anchors, one (1) plastic anchor, one (1) 5/16-18 x 2-1/2” threaded stud, and one (1) 5/16-18 x 2-1/2” combo threaded stud

Notes: • 1-3/8” (35 mm) max door to floor clearance
• Heavy duty - for use in high traffic areas
• For use on wood or concrete floors

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**258F**

**Floor Stop and Holder**

Certification: Meets ANSI A156.16 for L01371

Base: 1-9/16” x 2-15/32” (40 mm x 63 mm)

Height: 3” (76 mm)

Keeper: 1” x 2” (25 mm x 51 mm)

Materials: Cast brass with black rubber bumper


Fasteners: Two (2) #10 x 1” FPHWS, one (1) 1/4-20 x 3/4” FPHMS, one (1) 5/16-18 lead anchor, one (1) 1/4-20 lead anchors, and one (1) 5/16-18 x 2-1/2” threaded stud

Notes: • 1-3/8” (35 mm) max door to floor clearance
• Heavy duty - for use in high traffic areas
• For use on concrete floors
• Manual holder ideal for interior and exterior applications
• Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged
**259F**
**Tri Base Floor Stop**
Certification: Meets ANSI A156.16 for L02121  
Base: 2-1/2” wide x 1-9/16” deep (64 mm x 40 mm)  
Overall Height: 1-11/16” (43 mm)  
Material: Cast brass with grey rubber bumper  
Fasteners: Three (3) #10 x 1-1/4” FPHWS, three (3) plastic anchors, three (3) 10-32 x 3/4” FPHMS, and three (3) 10-32 lead anchor  
Notes:  
• 1/2” (13 mm) max door to floor clearance  
• Heavy duty - for use in high traffic areas  
• For use on wood or concrete floors

**259H**
**Tri Base Floor Stop - Tall**
Certification: Meets ANSI A156.16 for L02121  
Base: 2-1/2” wide x 1-9/16” deep (64 mm x 40 mm)  
Overall Height: 2” (57 mm)  
Material: Cast brass with grey rubber bumper  
Fasteners: Three (3) #10 x 1-1/4” FPHWS, three (3) plastic anchors, three (3) 10-32 x 3/4” FPHMS, and three (3) 10-32 lead anchors  
Notes:  
• 1” (25 mm) max door to floor clearance  
• Heavy duty - for use in high traffic areas  
• For use on wood or concrete floors

**267F**
**Cast Floor Stop**
Certification: Meets ANSI A156.16 for L02131  
Base Diameter: 2-1/4” (57 mm)  
Overall Height: 3-1/8” (80 mm)  
Material: Cast brass with black rubber bumper  
Fasteners: One (1) #10 x 1” OPHWS, one (1) plastic anchor, one (1) 5/16-18 lead anchor, one (1) 5/16-18 x 2-1/2” threaded stud, and one (1) 5/16-18 x 2-1/2” combo threaded stud  
Notes:  
• 2-3/8” (60 mm) max door to floor clearance  
• Heavy duty - for use in high traffic areas  
• For use on concrete floors

**267S**
**Cast Floor Stop**
Certification: Meets ANSI A156.16 for L02121  
Base Diameter: 2-1/4” (57 mm)  
Overall Height: 3-1/8” (80 mm)  
Material: Cast brass with black rubber bumper  
Fasteners: Three (3) #10 x 1” OPHWS and three (3) plastic anchors  
Notes:  
• 2-3/8” (60 mm) max door to floor clearance  
• Heavy duty - for use in high traffic areas  
• For use on wood floors
268F
**Cast Floor Stop and Holder**
- **Certification:** Meets ANSI A156.16 for L01371
- **Base Diameter:** 2-1/4” (57 mm)
- **Height:** 3-19/32” (91 mm)
- **Keeper:** 25/32” x 1-1/2” (20 mm x 38 mm)
- **Materials:** Cast brass with black rubber bumper
- **Fasteners:** Three (3) #10 x 1” OPHWS, one (1) plastic anchor, one (1) 5/16-18 lead anchor, and one (1) 5/16-18 x 2-1/2” threaded stud
- **Notes:**
  - 2-1/2” (64 mm) max door to floor clearance
  - Heavy duty - for use in high traffic areas
  - For use on concrete floors
  - Manual holder ideal for interior and exterior applications
  - Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged

268S
**Cast Floor Stop and Holder**
- **Certification:** Meets ANSI A156.16 for L01361
- **Base Diameter:** 2-1/4” (57 mm)
- **Height:** 3-19/32” (91 mm)
- **Keeper:** 25/32” x 1-1/2” (20 mm x 38 mm)
- **Materials:** Cast brass with black rubber bumper
- **Fasteners:** Five (5) #10 x 1” OPHWS and three (3) plastic anchors
- **Notes:**
  - 2-1/2” (64 mm) max door to floor clearance
  - Heavy duty - for use in high traffic areas
  - For use on wood floors
  - Manual holder ideal for interior and exterior applications
  - Unit functions as a stop, but can serve as a “Hold Open” when hook is manually engaged

269F
**Heavy Duty Floor Stop**
- **Certification:** Exceeds the criteria set forth for a 300-pound impact test (Report #91-04-01646)
- **Bumper Diameter:** 2” (51 mm)
- **Bumper Height:** 1-1/2” (38 mm)
- **Steel Bolt:** 5/8 – 11 x 2-1/2” thread
- **Materials:** Black rubber (fire-resistant)
- **Notes:**
  - Designed for high vandalism areas
  - Ideal for prisons where floor stops are required
  - Grouted in concrete to eliminate exposed screws
**FLOOR STOPS & HOLDERS**

**269T**

**Heavy Duty Floor Stop**

Certification: Exceeds the criteria set forth for a 300-pound impact test (Report #91-04-01646)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bumper Diameter:</td>
<td>2” (51 mm)</td>
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<tr>
<td>Bumper Height:</td>
<td>3-1/2” (89 mm)</td>
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<tr>
<td>Steel Bolt:</td>
<td>5/8 – 11 x 2-1/2” thread</td>
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<tr>
<td>Materials:</td>
<td>Black rubber (fire-resistant)</td>
</tr>
<tr>
<td>Notes:</td>
<td>• Designed for high vandalism areas</td>
</tr>
<tr>
<td></td>
<td>• Ideal for prisons where floor stops are required</td>
</tr>
<tr>
<td></td>
<td>• Grouted in concrete to eliminate exposed screws</td>
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</table>

**326F**

**Automatic Floor Stop and Holder**

Certification: Meets ANSI A156.16 for L01301

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Holder Projection:</td>
<td>1-15/16” (49 mm)</td>
</tr>
<tr>
<td>Holder Base:</td>
<td>3-1/16” x 3-1/2” (78 mm x 89 mm)</td>
</tr>
<tr>
<td>Floor Strike:</td>
<td>2” x 4-3/32” (51 mm x 104 mm)</td>
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<tr>
<td>Strike Height:</td>
<td>1-1/4” (32 mm)</td>
</tr>
<tr>
<td>Max Door to Floor Clearance:</td>
<td>1/2” (13 mm) or less</td>
</tr>
<tr>
<td>Materials:</td>
<td>Cast brass</td>
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<tr>
<td>Fasteners:</td>
<td>Three (3) #14 x 1-1/2” FPHWS, three (3) 1/4-20 x 3/4” FPHMS, three (3) 1/4-20 lead anchors, four (4) 12-24 x 1” TPHMS, and four (4) #12 x 1” TPHWS</td>
</tr>
<tr>
<td>Notes:</td>
<td>• For use on wood or metal doors and wood or concrete floors</td>
</tr>
<tr>
<td></td>
<td>• Ideal for heavy traffic situations that require frequent hold open</td>
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<tr>
<td></td>
<td>• Firm pull releases holding mechanism</td>
</tr>
<tr>
<td></td>
<td>• Holder has vertical adjustment once mounted on the door</td>
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</tbody>
</table>

**327F**

**Automatic Floor Stop and Holder**

Certification: Meets ANSI A156.16 for L01301

<table>
<thead>
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<td>Holder Projection:</td>
<td>1-15/16” (49 mm)</td>
</tr>
<tr>
<td>Holder Base:</td>
<td>3-1/16” x 3-1/2” (78 mm x 89 mm)</td>
</tr>
<tr>
<td>Floor Strike:</td>
<td>2-3/16” x 4-1/8” (56 mm x 105 mm)</td>
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<tr>
<td>Strike Height:</td>
<td>1-3/4” (44 mm)</td>
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<tr>
<td>Max Door to Floor Clearance:</td>
<td>9/16” to 1-1/16” (14 mm to 27 mm)</td>
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<tr>
<td>Materials:</td>
<td>Cast brass</td>
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<tr>
<td>Fasteners:</td>
<td>Three (3) #14 x 1-1/2” FPHWS, three (3) 1/4-20 x 3/4” FPHMS, three (3) 1/4-20 lead anchors, four (4) 12-24 x 1” TPHMS, and four (4) #12 x 1” TPHWS</td>
</tr>
<tr>
<td>Notes:</td>
<td>• For use on wood or metal doors and wood or concrete floors</td>
</tr>
<tr>
<td></td>
<td>• Ideal for heavy traffic situations that require frequent hold open</td>
</tr>
<tr>
<td></td>
<td>• Firm pull releases holding mechanism</td>
</tr>
<tr>
<td></td>
<td>• Holder has vertical adjustment once mounted on the door</td>
</tr>
</tbody>
</table>
328F
Automatic Floor Stop and Holder
Certification: Meets ANSI A156.16 for L01301
Holder Projection: 1-15/16" (49 mm)
Holder Base: 3-1/16" x 3-1/2" (78 mm x 89 mm)
Floor Strike: 2-3/16" x 4-1/8" (56 mm x 105 mm)
Strike Height: 2-1/4" (57 mm)
Max Door to Floor Clearance: 1-1/8" to 1-9/16" (29 mm to 40 mm)
Materials: Cast brass
Fasteners: Three (3) #14 x 1-1/2" FPHWS, three (3) 1/4-20 x 3/4" FPHMS,
three (3) 1/4-20 lead anchors, four (4) 12-24 x 1" TPHMS,
and four (4) #12 x 1" TPHWS
Notes: • For use on wood or metal doors and wood or concrete floors
  • Ideal for heavy traffic situations that require frequent hold open
  • Firm pull releases holding mechanism
  • Holder has vertical adjustment once mounted on the door

329F
Automatic Floor Stop and Holder
Certification: Meets ANSI A156.16 for L01301
Holder Projection: 1-15/16" (49 mm)
Holder Base: 3-1/16" x 3-1/2" (78 mm x 89 mm)
Floor Strike: 2-3/16" x 4-1/8" (56 mm x 105 mm)
Strike Height: 2-3/4" (70 mm)
Max Door to Floor Clearance: 1-5/8" to 2-1/16" (41 mm to 52 mm)
Materials: Cast brass
Fasteners: Three (3) #14 x 1-1/2" FPHWS, three (3) 1/4-20 x 3/4" FPHMS,
three (3) 1/4-20 lead anchors, four (4) 12-24 x 1" TPHMS,
and four (4) #12 x 1" TPHWS
Notes: • For use on wood or metal doors and wood or concrete floors
  • Ideal for heavy traffic situations that require frequent hold open
  • Firm pull releases holding mechanism
  • Holder has vertical adjustment once mounted on the door
270C
Kick Down Door Holder
Certification: Meets ANSI A156.16 for L71382
Base: 1-7/16" x 2-1/8" (37 mm x 54 mm)
Arm: 3-13/16" (97 mm)
Materials: Cast iron with rubber tip
Finishes: S1 - Sprayed Aluminum, S2 - Sprayed Brass, S3 - Sprayed Bronze
Fasteners: Four (4) #6 x 3/4" OPH tapping screws
Notes: • Provides simple hold and release with a touch of the foot
• 2-1/4" (57 mm) max door to floor clearance

270D
Kick Down Door Holder
Certification: Meets ANSI A156.16 for L01381
Base: 1-19/32" x 1-25/32" (41 mm x 45 mm)
Arm: 3-1/2" (89 mm)
Materials: Cast brass with rubber tip
Fasteners: Three (3) #6 x 3/4” OPHWS
Notes: • Provides simple hold and release with a touch of the foot
• 2-1/4" (57 mm) max door to floor clearance

270R
Replacement Rubber Tip
Materials: Rubber
Notes: • For use with 270D and 271D
• Sold in packs of 10

270CR
Replacement Rubber Tip
Materials: Rubber
Notes: • For use with 270C
• Sold in packs of 6

271D
Kick Down Door Holder
Certification: Meets ANSI A156.16 for L01381
Base: 1-19/32" x 1-25/32" (41 mm x 45 mm)
Arm: 4-7/16" (87 mm)
Materials: Cast brass with rubber tip
Fasteners: Three (3) #6 x 3/4” OPHWS
Notes: • Provides simple hold and release with a touch of the foot
• 3-1/4" (83 mm) max door to floor clearance
**275D | 276D**

**Surface Bolt**

- **Certification:** Meets ANSI A156.16 for L04161
- **Overall Projection:** 1-3/8” (35 mm)
- **Overall Width:** 2-1/32” (52 mm)
- **Bar:** 3/4” x 1/4” (19 mm x 6 mm) thick
- **Length:**
  - 275D - 8” (203 mm)
  - 276D - 12” (305 mm)
- **Throw:** 1” (25 mm)
- **Materials:** Steel
- **Finishes:** US3, US10, US10B, US26D
- **Fasteners:** Eight (8) #10 x 1-1/4” FPHWS and eight (8) 10-24 x 1” undercut FPHMS
- **Notes:**
  - Mortise bottom strike and universal top strike included
  - Strong tension springs prevent creep
  - UL listed for use on inactive leaf of a pair of 3-HR labeled fire doors

**278D**

**Surface Bolt**

- **Bolt Length:** 6” (152 mm)
- **Bolt Width:** 7/16” (11 mm)
- **Bolt Throw:** 31/32” (25 mm)
- **Base Width:** 19/32” (15 mm)
- **Knob Diameter:** 1/2” (13 mm)
- **Projection:** 3/4” (19 mm)
- **Materials:** Brass
- **Finishes:** US3, US10B, US26D
- **Fasteners:** Four (4) #5 x 5/8” FPHWS
- **Notes:**
  - Mortise and universal strikes included
  - Concealed screw design enhances appearance and security
  - Permanent stop prevents bolt disengagement from track

**279D**

**Surface Bolt**

- **Length:** 4” (102 mm)
- **Width:** 1-11/16” (43 mm)
- **Throw:** 3/8” (10 mm)
- **Half Round Bolt Size:** 5/8” (16 mm)
- **Projection:** 1-1/4” (32 mm)
- **Knob Diameter:** 29/32” (23 mm)
- **Materials:** Brass
- **Finishes:** US3, US10, US10B, US26D
- **Fasteners:** Twelve (12) #6 x 3/4” FPHWS
- **Notes:** Mortise and universal strikes included
**FLUSH BOLTS & COORDINATING DEVICES**

### 280X

**Dust Proof Strike**

- Certification: Meets ANSI A156.16 for L04021
- Face Plate: 1-7/16” x 2-29/32” x 1/8” depth (37 mm x 74 mm x 3 mm)
- Barrel Diameter: 1” (25 mm)
- Barrel Depth: 2-3/16” (56 mm)
- Plunger Diameter: 3/4” (19 mm)
- Materials: Brass
- Fasteners: Two (2) #8 x 1” FPHWS, two (2) plastic anchors, and spanner wrench
- Notes:
  - Packed unassembled with plate, strike, fasteners, and spanner wrench
  - May be used with carpet or threshold application by omitting face plate
  - Designed for use with the bottom bolt of a flushbolt set
  - Spring loaded plunger returns to floor or threshold level anytime flushbolt is retracted, eliminating the need to clean out the bottom strike

### 281D

**Slide Flush Bolt**

- Certification: Meets ANSI A156.16 for L04201
- Faceplate: 3/4” x 6” (19 mm x 153 mm)
- Bolt Diameter: 1/2” (13 mm)
- Bolt Throw: 1” (25 mm)
- Bolt Backset: 7/16” (11 mm)
- Strike: 7/8” x 1-3/4” (22 mm x 45 mm)
- Materials: Brass, bronze faceplate with steel components
- Fasteners: Four (4) #6 x 3/4” FPHWS
- Notes:
  - Double action spring design provides automatic holding of bolt in projected or retracted position

### 282D

**Manual Flush Bolt**

- Certification: Fits ANSI A115 door and frame prep
  - Meets ANSI A156.16 for L14251
- Face Plate: 1” x 6-3/4” (25 mm x 172 mm)
- Bolt Head: 1/2” (13 mm) square
- Bolt Throw: 3/4” (19 mm)
- Standard Rod Length: 12” (305 mm) (center of face to corner of door)
- Bolt Backset: 3/4” (19 mm)
- Mortise Strike: 15/16” x 2-1/4” (24 mm x 57 mm)
- Materials: Brass faceplate with steel components
- Fasteners: Eight (8) #8 x 3/4” combo screws; eight (8) #8 x 1-1/2” combo screws
- Notes:
  - For use on hollow metal/fire-rated doors
  - Non-handed
  - Bolt head rods are adjustable
  - Sold in increments of two
  - 3 hour fire rating for metal doors up to 4 feet wide by 10 feet tall
  - 282S strike plate bag and 282P bolt head available
  - Specify 282R for optional rod length of 18” (457 mm), 25” (635 mm), or 30” (762 mm) (bolt head not included)
FLUSH BOLTS & COORDINATING DEVICES

283D
Manual Flush Bolt
Certification: Meets ANSI A156.16 for L14261
Face Plate: 1” x 6-25/32” (25 mm x 172 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
Mortise Strike: 15/16” x 2-1/4” (24 mm x 57 mm)
Materials: Brass faceplate with steel components
Fasteners: Eight (8) #8 x 3/4” combo screws
Notes: • For use on wood composite/ fire-rated doors
• Non-handed
• Bolt head rods are adjustable
• 1-1/2 hour fire rating for wood doors up to 4 feet wide by 10 feet tall

291D
Automatic Flush Bolt Set for Wood Covered Composite Doors
Certification: B, C, D, and E Label
ANSI A156.3 Type #25
Face Plate: 1” x 8-1/2” (25 mm x 216 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
Mortise Strike: 15/16” x 2-1/4” (24 mm x 57 mm)
Materials: Stainless steel and brass with steel components
Fasteners: Six (6) #8 x 1” combo screws, three (3) #10 x 1” SMS, and two (2) plastic anchors
Notes: • Thermal lock automatically locks inactive door under high fire/heat conditions
• 280X dust proof strikes are recommended for use with these sets
• Used in pairs at top and bottom of inactive door
• Fully automatic – bolts retract when active door is opened; bolts extend when active door is closed
• Non-handed
• Bolt head rods are adjustable
• 1-1/2 hour fire rating for wood doors up to 4 feet wide by 9 feet tall
292D
Automatic Flush Bolt Set for Metal Doors

Certification: A, B, C, D, and E Label
ANSI A156.3 Type #25

Face Plate: 1” x 6-3/4” (27 mm x 172 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
Mortise Strike: 15/16” x 2-1/4” (24 mm x 57 mm)
Materials: Stainless steel and brass with steel components
Fasteners: Ten (10) #8 x 1” combo screws
Notes:
- Thermal lock automatically locks inactive door under high fire/heat conditions
- 280X dust proof strikes are recommended for use with these sets
- Used in pairs at top and bottom of inactive door
- Fully automatic – bolts retract when active door is opened; bolts extend when active door is closed
- Non-handed
- Bolt head rods are adjustable
- 3-hour fire rating for metal doors up to 4 feet wide by 9 feet tall

293D
Constant-Latching Flush Bolt Set for Inactive Metal Doors

Certification: A, B, C, D, and E Label
ANSI A156.3 Type #27

Face Plate: 1” x 6-3/4” (25 mm x 172 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
T-Strike: 1-1/8” x 2-3/4” (28 mm x 70 mm)
Materials: Stainless steel and brass with steel components
Fasteners: Eight (8) #8 x 1” combo screws
Notes:
- Thermal lock automatically locks inactive door under high fire/heat conditions
- 280X dust proof strikes are recommended for use with these sets
- Consists of one 292S and one 293S for two point latching
- Inactive door remains latched until the active door is opened, releasing the automatic bottom bolt - Top bolt can be manually released by pressing plunger - Inactive door will relatch automatically when closed
- Non-handed
- Bolt head rods are adjustable
- 3-hour fire rating for metal doors up to 4 feet wide by 9 feet tall
294D
Constant-Latching Flush Bolt Set for Inactive Wood Covered Composite Doors

Certification: B, C, D, and E Label
ANSI A156.3 Type #27

Face Plate: 1” x 8-1/2” (25 mm x 216 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
T-Strike: 1-1/8” x 2-3/4” (28 mm x 70 mm)

Materials: Stainless steel and brass with steel components

Fasteners: Four (4) #8 x 1” combo screws, three (3) #10 x 1” SMS, and two (2) plastic anchors

Notes: • Thermal lock automatically locks inactive door under high fire/heat conditions
• 280X dust proof strikes are recommended for use with these sets
• May be used on doors 4 ft. wide and 9 ft. high
• Consists of one 291S and one 294S for two point latching
• Inactive door remains latched until the active door is opened, releasing the automatic bottom bolt - Top bolt can be manually released - Inactive door will relatch automatically when closed
• Non-handed
• Bolt head rods are adjustable
• 1-1/2 hour fire rating for wood doors up to 4 feet wide by 9 feet tall

295M
Automatic Flush Bolt Set with Fire Bolt for Metal Doors

Certification: ANSI/BHMA 156.3 Type #25

Face Plate: 1” x 6-3/4” (25 mm x 172 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
Mortise Strike: 15/16” x 2-1/4” (24 mm x 57 mm)

Materials: Stainless steel and brass with steel components

Fasteners: Ten (10) #8 x 1” combo screws

Notes: • Fire bolt is activated at 230º Fahrenheit projecting into active door locking leaves together - This combination eliminates the bottom flushbolt and eliminates floor preparation
• Fully automatic – Bolt retracts when active door is opened - Bolt extends when active door is closed
• Non-handed
• Bolt head rods are adjustable
• 3-hour fire rating for metal doors up to 4 feet wide by 9 feet tall
295W
Automatic Flush Bolt Set with Fire Bolt for Wood Doors
Certification: ANSI/BHMA 156.3 Type #25
Face Plate: 1” x 8-1/2” (25 mm x 216 mm)
Bolt Head: 1/2” (13 mm) square
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 3/4” (19 mm)
Mortise Strike: 15/16” x 2-1/4” (24 mm x 57 mm)
Materials: Stainless steel and brass with steel components
Fasteners: Six (6) #8 x 1” combo screws, three (3) #10 x 1” SMS, and two (2) plastic anchors
Notes:
• Fire bolt is activated at 230º Fahrenheit projecting into active door locking leaves together - This combination eliminates the bottom flushbolt and eliminates floor preparation
• Fully automatic – Bolt retracts when active door is opened - Bolt extends when active door is closed
• Non-handed
• Bolt head rods are adjustable
• 20-min fire rating for wood doors up to 4 feet wide by 9 feet tall

296W
Automatic Flush Bolt Set for Wood Doors
Certification: ANSI/BHMA 156.3 Type #25
Face Plate: 1-1/8” x 2-1/4” (29 mm x 57 mm)
Bolt Head: 1/2” (13 mm) diameter
Bolt Throw: 3/4” (19 mm)
Bolt Backset: 1-1/2” (39 mm)
Materials: Stainless steel and brass with steel components
Fasteners: Four (4) #8 x 1” SMS, two (2)#8 x 3/4” combo screws, two (2) plastic anchors
Strike: 1-1/8” x 2-1/4” (29 mm x 57 mm)
Notes:
• Non-handed
• ADA compliant
• Ideal for wood veneer doors
• Only two (2) 1-1/8” diameter holes needed for easier door preparation
• Opening active door retracts top and bottom bolts
• Smaller profile adds stability to the door
• 1-1/2 hour fire rating for doors up to 4 feet wide by 9 feet tall
**297C**

**Carrying Bar**

- **Certification:** ANSI/BHMA A156.3 Type #27
- **Projection:** 25/32" (20 mm)
- **Base:** 1-3/4" x 2-1/4" (45 mm x 57 mm)
- **Materials:** Steel
- **Finishes:** Black Prime Coat
- **Fasteners:** Two (2) 12-24 x 3/4" PPHMS with sex nuts

**Notes:**
- For use with overall frame widths 60" (1524 mm), 72" (1829 mm), or 96" (2438 mm), consult Hager Customer Service if overall frame width is different than our stock sizes
- Carry bar is not required when the inactive door is equipped with automatic or self-latching flushbolts
- Non-handed

**297D**

**Coordinating Device**

- **Certification:** ANSI/BHMA A156.3 Type #21A
- **Base:** 1-5/8" x 5/8" (41 mm x 16 mm)
- **Materials:** Steel
- **Fasteners:** Seven (7) 12-24 x 1-1/4" TPHMS and four (4) #8 x 1" FPH combo screws

**Notes:**
- For use with overall frame widths 60" (1524 mm), 72" (1829 mm), or 96" (2438 mm), consult Hager Customer Service if overall frame width is different than our stock sizes
- Coordinating device is 52" (1321 mm) long for all stock sizes 60" (1524 mm), 72" (1829 mm), or 96" (2438 mm)
- Filler bar is cut to length by factory to match customers overall frame width
- Non-handed
- Designed for use on pairs of doors when one door needs to close before the other
- Active door lever, located nearest to the active stop, holds the active door open until the trigger mechanism is released by the closing of the inactive leaf
- Coordinator may not span the entire length of stop, 297F filler bar may be needed to fill up the extra space
- Compatible with flushbolts
- Optional mounting brackets 297M and 297N may be used when mounting other soffit applied hardware
- For use with active door widths 30" (762 mm) – 48" (1219 mm)
- If active and inactive doors are unequal in length, consult Hager Customer Service for proper sizing
- Do not use spring hinges with coordinating device
297F
Filler Bar
Stop Height: 5/8" (16 mm)
Material: Steel
Finish: Black prime coat
Length: 18-5/8" (473 mm) (for jamb opening widths 52" – 72");
42-5/8" (1082 mm) (for jamb opening widths 73" – 96")
Notes: For use with 297D coordinator

297M
Mounting Bracket
Jamb Depth: 4-3/4" (121 mm)
Stop Height: 5/8" (16 mm)
Material: Aluminum
Finish: Black prime coat
Fasteners: Four (4) 12-24 x 2" FPHMS and four (4) 1/4-20 x 1/2" FPHMS
Notes: • For use with 297D coordinator
     • For soffit width 1-3/8" (35 mm) - 2-3/8" (60 mm)
     • Allows soffit mounted hardware to be properly installed without damaging the coordinator, such as a parallel arm closer or a non-fire-rated surface vertical rod strike

297N
Mounting Bracket
Stop Height: 5/8" (16 mm)
Material: Aluminum
Finish: Black prime coat
Fasteners: Four (4) 12-24 x 2" FPHMS and four (4) 1/4-20 x 1/2" FPHMS
Notes: • For use with 297D coordinator
     • For soffit width 3" (76 mm) or greater
     • Allows soffit mounted hardware to be properly installed without damaging the coordinator, such as a parallel arm closer or a non-fire-rated surface vertical rod strike

298D
Gravity Coordinator
Certification: ANSI A156.3 Type #21B
Base: 5-1/2" x 1-1/8" (140 mm x 29 mm)
Projection: 7" (178 mm)
Rail Height: 2-1/2" (64 mm) min
Materials: Cast brass with rubber roller and nylon cam roller
Fasteners: Two (2) #12 x 1" OPHWS, two (2) #6 x 3/4" FPHWS, two (2) #8 x 3/4" TPHWS, and one (1) #6 x 3/4" FPHWS
Notes: • Non-handed
     • Recommended for use with flush top metal doors only
     • Use automatic flush bolts only
     • Use 297D if using self latching flush bolts
     • Gravity arm and door bracket are adjustable on the job for ease of installation
     • For use on pairs of doors with astragal on active door up to 4’ (1219 mm) wide or with astragal on inactive door up to 3’-4” (1016 mm) wide or with astragal on both doors up to 2’-10” (864 mm) wide
     • Maximum astragal overlap - 7/8" (22 mm)
     • Do not use spring hinges with coordinating device
**311H | 311L**  
*Push/Pull Latch*  
Certification: ANSI A156.2 Closest Equivalent  
(Bored Latch - Series 4000 - Grade 2)  
Push & Pull Levers: 1-15/16” x 4-1/2” (49 mm x 114 mm)  
Escutcheons: 3-1/16” x 5” (78 mm x 127 mm)  
Projection: 2-5/8” (67 mm)  
Bolt Throw: 1/2” (13 mm)  
Bolt Diameter: 3/4” (19 mm)  
Backset:  
• 2-3/4” (70 mm) - Standard  
• 5” (127 mm) - Optional  
Strike (TEE) - standard: 1-1/8” x 2-3/4” (29 mm x 70 mm)  
Strike (ASA) - standard: 1-1/4” x 4-7/8” (32 mm x 124 mm)  
Door thickness: 1-3/4” (45 mm)  
Materials: Zinc and stainless steel  
Notes:  
• Non-handed  
• Engraving is optional  
• 311L is same as 311H but for use on lead lined doors

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**Optional Vertical Mounting**  
Requires 2-3/4” to 5” (70 mm - 127 mm) backset

**Optional Horizontal Mounting**  
Requires 5” (127 mm) backset

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**318D**  
*Roller Latch with Tee Strike*  
Certification: Meets ANSI A156.16 for E09091  
Roller Faceplate: 1” x 3-3/8” (25 mm x 86 mm)  
Strike: 1-1/8” x 2-3/4” (29 mm x 70 mm)  
Strike Gauge: 0.171” (4.3 mm)  
Materials: Brass  
Fasteners: Two (2) #10 x 1-1/2” FPHWS, two (2) #8 x 1” FPHWS, and two (2) 8-32 x 3/4” FPHMS  
Notes:  
• Adjustable spring tension with nylon roller  
• Projection of roller is easily adjusted using screws on faceplate  
• Max projection of the roller is 3/8” (9.5 mm) allowing for variance in door and frame clearance
LATCHES & PROTECTION PLATES

318S
Roller Latch with Stop
Certification: Meets ANSI A156.16 for E0911
Roller Faceplate: 1-7/16" wide x 4-7/16" high x 11/16" angle (37 mm x 111 mm x 18 mm)
Strike: 1-1/8" x 2-1/4" (29 mm x 57 mm)
Strike Gauge: 0.171" (4.3 mm)
Materials: Brass
Fasteners: Two (2) #10 x 1-1/2" FPHWS and two (2) 8-32 x 3/4" FPHMS
Notes: • Adjustable spring tension with nylon roller  
• Projection of roller is easily adjusted using screws on faceplate  
• Max projection of the roller is 3/8" (9.5 mm) allowing for variance in door and frame clearance

320R
Roller Catch with Tee Strike
Certification: Meets ANSI A156.16 for E0910
Roller Faceplate: 1-1/8" x 2-1/4" (29 mm x 57 mm)
Strike: 1-1/4" x 2-3/4" x 1/16" thick (32 mm x 70 mm x 1.5 mm)
Materials: Brass
Fasteners: Four (4) #8 x 1" FPHWS
Notes: • Adjustable spring tension with nylon roller  
• Projection of roller is easily adjusted using screws on back of the latch  
• Max projection of the roller is 7/16" (11 mm) allowing for variance in door and frame clearance  
• For use with wood door and frame

318S
Roller Latch with Stop
Certification: Meets ANSI A156.16 for E0911
Roller Faceplate: 1-7/16" wide x 4-7/16" high x 11/16" angle (37 mm x 111 mm x 18 mm)
Strike: 1-1/8" x 2-1/4" (29 mm x 57 mm)
Strike Gauge: 0.171" (4.3 mm)
Materials: Brass
Fasteners: Two (2) #10 x 1-1/2" FPHWS and two (2) 8-32 x 3/4" FPHMS
Notes: • Adjustable spring tension with nylon roller  
• Projection of roller is easily adjusted using screws on faceplate  
• Max projection of the roller is 3/8" (9.5 mm) allowing for variance in door and frame clearance

320R
Roller Catch with Tee Strike
Certification: Meets ANSI A156.16 for E0910
Roller Faceplate: 1-1/8" x 2-1/4" (29 mm x 57 mm)
Strike: 1-1/4" x 2-3/4" x 1/16" thick (32 mm x 70 mm x 1.5 mm)
Materials: Brass
Fasteners: Four (4) #8 x 1" FPHWS
Notes: • Adjustable spring tension with nylon roller  
• Projection of roller is easily adjusted using screws on back of the latch  
• Max projection of the roller is 7/16" (11 mm) allowing for variance in door and frame clearance  
• For use with wood door and frame

321R
Adjustable Ball Catch with Strike
Roller Faceplate: 1” x 2-1/8” (25 mm x 54 mm)
Strike: • 3/8” W x 1-3/8” H x 5/8” D  
• Plate type strike
Materials: Brass with steel ball
Fasteners: Four (4) #6 FPHWS
Notes: • Adjustable threaded barrel compensates for various door clearances  
• Adjustable spring tension  
• For use with wood door and frame

323S
Three-Way Ball Catch
Certification: Meets ANSI/BHMA 156.9.B13302
Body: 1/2 W x 2-3/16” H x 1/2” D
Strike: • 3/8” W x 1-3/8” H x 5/8” D  
• Plate type strike
Materials: Brass with steel balls
Finish: US26D
Notes: • Adjustable spring tension is easily adjusted to suit field conditions  
• Body can be surface applied or mortised
# Latch Protection Plates

## 340D
**Latch Protection Plate**
- **Size:** 3” x 11” (76 mm x 279 mm)
- **Materials:** 12 gauge steel, stainless steel
- **Finishes:** US2C, US32D
- **Fasteners:** Two (2) 5/16-20 x 1-1/2” carriage bolts with sex nuts
- **Notes:**
  - For use with 1-3/4” (45 mm) doors
  - Non-handed
  - Frame pin prevents prying of door
  - For use with most mortise locks
  - For use with cylindrical locksets with a 3-3/4” (95 mm) backset or greater

## 341C
**Latch Protection Plate with Lock Cut Out (no frame pins)**
- **Size:** 3” x 11” (76 mm x 279 mm)
- **Materials:** 12 gauge steel, stainless steel
- **Finishes:** US32D
- **Fasteners:** Two (2) 5/16-20 x 1-1/2” carriage bolts with sex nuts
- **Notes:**
  - For use with 1-3/4” (45 mm) doors
  - Non-handed
  - For use with cylindrical locksets with a 2-3/4” (70 mm) backset

## 341D
**Latch Protection Plate with Lock Cut Out**
- **Size:** 3” x 11” (76 mm x 279 mm)
- **Materials:** 12 gauge steel, stainless steel
- **Finishes:** US2C, US32D
- **Fasteners:** Two (2) 5/16-20 x 1-1/2” carriage bolts with sex nuts
- **Notes:**
  - For use with 1-3/4” (45 mm) doors
  - Non-handed
  - Frame pin prevents prying of door
  - For use with cylindrical locksets with a 2-3/4” (70 mm) backset

## 342D
**Latch Protection Plate with Escutcheon Cut Out**
- **Size:** 3” x 11” (76 mm x 279 mm)
- **Materials:** 12 gauge steel, stainless steel
- **Finishes:** US2C, US32D
- **Fasteners:** Two (2) 5/16-20 x 1-1/2” carriage bolts with sex nuts
- **Notes:**
  - For use with 1-3/4” (45 mm) doors
  - Non-handed
  - For use with cylindrical locksets with a 2-3/4” (70 mm) backset

## 345D
**Latch Protection Plate**
- **Size:** 1-5/8” x 10” (41 mm x 254 mm)
- **Materials:** 12 gauge steel, stainless steel
- **Finishes:** US2C, US32D
- **Fasteners:** Two (2) 5/16-20 x 1-1/2” carriage bolts with sex nuts
- **Notes:**
  - For use with 1-3/4” (45 mm) doors
  - Non-handed
  - For use with cylindrical and mortise locks
1442
Roller Latch with Full Lip Strike
Certification: Meets ANSI A156.16 for E09091
Roller Faceplate: 1" x 3-3/8" (25 mm x 86 mm)
Strike: 1-11/16" x 2-1/4" (43 mm x 57 mm)
Strike Gauge: 5/32" (4 mm)
Materials: Brass
Fasteners: Two (2) #10 x 1-1/2” FPHWS, two (2) #8 x 1” FPHWS, and two (2) 8-32 x 3/4” FPHMS
Options: Non-ferrous available with extended lead time
Notes: • Adjustable spring tension with nylon roller
• Projection of roller is easily adjusted using screws on faceplate
• Max projection of the roller is 3/8” (9.5 mm) allowing for variance in door and frame clearance

1443
Roller Latch with ASA Strike
Certification: Meets ANSI A156.16 for E09101
Roller Faceplate: 1” x 3-3/8” (25 mm x 86 mm)
Strike: 1-1/4” x 4-7/8” (32 mm x 124 mm)
Strike Gauge: 0.090” (2.3 mm)
Materials: Brass
Fasteners: Two (2) #10 x 1-1/2” FPHWS, two (2) #12 x 3/4” FPHWS, and two (2) 12-24 x 1/2” FPHMS
Notes: • Adjustable spring tension with nylon roller
• Projection of roller is easily adjusted using screws on faceplate
• Max projection of the roller is 3/8” (9.5 mm) allowing for variance in door and frame clearance
**901P Coat Hook - Short Single**
- Diameter: 1” (25 mm)
- Projection: 1-1/4” (32 mm)
- Materials: Brass
- Finishes: US3, US26D
- Fasteners: #14 x 1-1/4” wood thread
- Notes: Concealed mounting

**902P Coat Hook - Long Single**
- Diameter: 1” (25 mm)
- Projection: 2-1/2” (63 mm)
- Materials: Brass
- Finishes: US3, US26D
- Fasteners: #14 x 1-1/4” wood thread
- Notes: Concealed mounting

**903P Coat Hook - Long Double**
- Diameter: 1” (25 mm)
- Projection: 2-1/2” (63 mm)
- Materials: Brass
- Finishes: US3, US26D
- Fasteners: #14 x 1-1/4” wood thread
- Notes: Concealed mounting

**936P Coat Hook Single Angled**
- Base Diameter: 1-15/16” (49 mm)
- Hook Diameter: 11/16” (17 mm)
- Projection: 3-5/16” (84 mm)
- Materials: Brass
- Finishes: US3, US26D
- Notes: Concealed mounting

**937P Coat Hook**
- Projections: • 3-3/4” (95 mm) top hook • 2-1/2” (63 mm) bottom hook
- Materials: Brass
- Finishes: US3, US26D

**940P Coat Hook - Double**
- Overall Height: 4-11/16” (119 mm)
- Top Projection: 3-15/16” (100 mm)
- Bottom Projection: 2-1/8” (54 mm)
- Material Thickness: 1/4” (6 mm)
- Materials: Brass
- Finishes: US3, US26D
- Fasteners: Two (2) #10 x 1” FPHWS

**941P Coat Hook - Single**
- Overall Height: 2-5/16” (59 mm)
- Projection: 2-1/8” (54 mm)
- Material Thickness: 1/4” (6 mm)
- Materials: Brass
- Finishes: US3, US26D
- Fasteners: Two (2) #10 x 1” FPHWS
945P
Double Coat Hook - Surface Mounting
Overall Height: 5-1/2” (140 mm)
Projection: 3-5/16” (84 mm)
Materials: Brass
Finishes: US3, US26D
Fasteners: Four (4) #10 x 1” FPHWS w/ anchors

946P
Double Coat Hook - Concealed Mounting
Overall Height: 5-1/2” (140 mm)
Projection: 3-11/16” (94 mm)
Materials: Brass
Finishes: US3, US26D
Fasteners: Two (2) #10 x 1” FPHWS w/ anchors
Notes: Concealed mounting

951P
Coat Hook - Double
O/A Height: 5-3/4” (146 mm)
Projection: 2-3/4” (70 mm)
Materials: Brass
Finishes: US3, US26D
Notes: Concealed mounting

952P
Coat Hook - Single
O/A Height: 2-13/16” (71 mm)
Projection: 2-7/32” (56 mm)
Materials: Brass
Finishes: US3, US26D
Notes: Concealed mounting

956P
Double Coat Hook - Angled
Overall Height: 5-11/16” (144 mm)
Projection: 3-23/32” (95 mm)
Materials: Brass
Finishes: US3, US26D
Notes: Concealed mounting

957P
Coat Hook
Projection: 1-3/4” (45 mm)
Base Diameter: 3/4” (19 mm)
Materials: Brass
Finishes: US3, US26D
Fasteners: One (1) #10 x 1” wood thread
Notes: Concealed mounting
22N
Concealed Edge Pull
Certification: Meets ANSI A156.14 for D2801
Size: 31/32” x 4-1/4” x 3/8” thick (25 mm x 108 mm x 9.5 mm)
Lever Extension: 2-19/32” (66 mm)
Materials: Brass
Finishes: US3, US26D
Fasteners: Two (2) #6 x 3/4” FPHWS

330D
Pocket Door Latch
Certification: Meets ANSI A156.14 for D0821
Size: 2-3/4” x 2-1/2” (70 mm x 64 mm)
Extension of Finger Piece: 1-3/8” (35 mm)
Materials: Brass
Fasteners: Two (2) #6 x 5/8” OPHWS
Notes: For use with 1-3/8” - 1-3/4” (35 mm - 45 mm) door

330L
Pocket Door Privacy Latch
Certification: Meets ANSI A156.14 for D0831
Size: 2-3/4” x 2-1/2” (70 mm x 64 mm)
Extension of Finger Piece: 1-3/8” (35 mm)
Strike Size: 1” x 2-1/4” (25 mm x 57 mm)
Materials: Brass
Fasteners: Two (2) #6 x 5/8” OPHWS and two (2) #6 x 3/4” FPHWS
Notes: For use with 1-3/8” (35 mm) door

330M
Pocket Door Privacy Latch
Certification: Meets ANSI A156.14 for D0831
Size: 2-3/4” x 2-1/2” (70 mm x 64 mm)
Extension of Finger Piece: 1-3/8” (35 mm)
Strike Size: 1” x 2-1/4” (25 mm x 57 mm)
Materials: Brass
Fasteners: Two (2) #6 x 5/8” OPHWS and two (2) #6 x 3/4” FPHWS
Notes: For use with 1-3/4” (45 mm) door

2610
Flush Cup Finger Pull
Overall Diameter: 31/32” (24.5 mm)
Finger Pull Diameter: 3/4” (19 mm)
Pull Clearance: 5/16” (8 mm)
Projection: 1/32” (.8 mm)
Materials: Solid brass
Notes: • For use on bi-fold, by-pass or pocket applications
       • Built-in prong design eliminates the need for screws or brads
2620
Flush Cup Pull
Overall Diameter: 2-1/16” (52 mm)
Finger Pull Diameter: 1-11/16” (43 mm)
Pull Clearance: 11/32” (8.7 mm)
Projection: 5/64” (2 mm)
Materials: Solid brass
Notes: • For use on bi-fold, by-pass or pocket applications
       • Built-in prong design eliminates the need for screws or brads

2630
Flush Cup Pull
Overall Diameter: 2-7/16” (62 mm)
Finger Pull Diameter: 2-1/16” (52 mm)
Pull Clearance: 11/32” (8.7 mm)
Projection: 3/32” (2.4 mm)
Materials: Solid brass
Notes: • For use on bi-fold, by-pass or pocket applications
       • Built-in prong design eliminates the need for screws or brads

2640
Oblong Flush Pull
Size: 1-5/16” x 2-3/4” (33 mm x 70 mm)
Cup Clearance: 5/16” (8 mm)
Materials: Solid brass
Fasteners: Two (2) #6 x 5/8” OPHWS
Notes: For use on bi-fold, by-pass or pocket applications

9558
Wood Knob
Diameter: 1-1/2” (38 mm)
Materials: Solid wood
Notes: • For use on bi-fold applications
       • Will accept paint or stain

9566
Knob
Diameter: 1-1/4” (32 mm)
Projection: 1” (25 mm)
Materials: Die Cast Zinc
Fasteners: One (1) 8-32 x 1-3/4” PPHMS and one (1) 8-32 x 2” PPHMS
Notes: For use on bi-fold applications on doors 3/4” (19 mm) to 1-3/8” (35 mm) thick
**9567 Rose**
- Base Diameter: 1-3/4” (45 mm)
- Projection: 15/32” (12 mm)
- Materials: Die cast zinc
- Fasteners: One (1) 8-32 x 1-3/4” PPHMS and one (1) 8-32 x 2” PPHMS
- Notes: • For use on bi-fold applications on doors 3/4” (19 mm) to 1-3/8” (35 mm) thick
  • For use with 9566 knob

**9865 Flush Cup Pull**
- Overall Diameter: 1-31/32” (50 mm)
- Finger Pull Diameter: 1-19/32” (40 mm)
- Pull Clearance: 11/32” (8.7 mm)
- Projection: 5/64” (2 mm)
- Materials: Tan color ABS plastic
- Notes: • For use on bi-fold, by-pass or pocket applications
  • Built-in prong design eliminates the need for screws or brads

**9882 Pocket Door Edge Pull**
- Face Plate Size: 3/4” x 3 - 7/8” (19 mm x 98 mm)
- Finger Pull Extends: 3/4” (19 mm)
- Materials: Solid brass
- Fasteners: Two (2) #6 x 5/8” FPHWS
- Notes: • Ideal for narrow and standard door thicknesses
  • Automatic spring return

**9884 Pocket Door Edge Pull**
- Faceplate: 21/32” x 3-1/2” (16.5 mm x 89 mm)
- Finger Pull Extends: 1-1/16” (27 mm)
- Materials: Die cast zinc
- Finishes: US3
- Fasteners: Two (2) #6 x 5/8” FPHWS
- Notes: Ideal for narrow and standard door thicknesses
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<th>Door Edge Filler Plate - 161 Prep</th>
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<td>Size:</td>
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<td>336M</td>
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<td>Latch Adapter Filler Plate - 86 to 161</td>
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<td>Deadlock Strike Filler Plate - Frame</td>
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<td>336Q</td>
<td>ASA Strike Filler Plate - Frame</td>
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<td>336R</td>
<td>Cylindrical Lock Strike Filler Plate -</td>
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<td>337C</td>
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<td>337D</td>
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350H | 350L
Engraved Plastic Sign - Push (350H) and Pull (350L)
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Lettering: 3/4” (19 mm) Helvetica
Size: 2” x 4” (51 mm x 102 mm)
Fasteners: Double-sided pressure sensitive tape or screws (specify)
Colors: • Brown (W1) with white lettering
       • Black (W2) with white lettering
       • Blue (W3) with white lettering
       • Silver (B1) with black lettering
       • Gold (B2) with black lettering
Notes: Signs are individually packed in a poly bag

350M | 350W
Engraved Plastic Sign - Men (350M) and Women (350W)
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Lettering: 3/4” (19 mm) Helvetica
Size: 2” x 5” (51 mm x 127 mm)
Fasteners: Double-sided pressure sensitive tape or screws (specify)
Colors: • Brown (W1) with white lettering
       • Black (W2) with white lettering
       • Blue (W3) with white lettering
       • Silver (B1) with black lettering
       • Gold (B2) with black lettering
Notes: Signs are individually packed in a poly bag

350R
Engraved Plastic Sign - Number
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Lettering: 3/4” (19 mm) Helvetica
Size: 2” x 4” (51 mm x 102 mm)
Fasteners: Double-sided pressure sensitive tape or screws (specify)
Colors: • Brown (W1) with white lettering
       • Black (W2) with white lettering
       • Blue (W3) with white lettering
       • Silver (B1) with black lettering
Notes: Signs are individually packed in a poly bag
       • Please note numbers to be engraved when ordering

351H | 351L
Engraved Plastic Sign - Push (351H) and Pull (351L)
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Lettering: 3/4” (19 mm) Helvetica
Size: 1” x 4-1/2” (25 mm x 114 mm)
Fasteners: Double-sided pressure sensitive tape or screws (specify)
Colors: • Brown (W1) with white lettering
       • Black (W2) with white lettering
       • Blue (W3) with white lettering
       • Silver (B1) with black lettering
       • Gold (B2) with black lettering
Notes: Signs are individually packed in a poly bag
## SIGNAGE

### 352M  |  352W
**Engraved Plastic Sign - Men (352M) and Women (352W)**
- **Certification:** Meets ANSI A156.16 L03201
- **Materials:** 0.125” (3.2 mm) thick plastic
- **Lettering:** 3/4” (19 mm) Helvetica
- **Size:**
  - 352M - 2-1/2” x 6” (64 mm x 152 mm)
  - 352W - 2-1/2” x 7” (64 mm x 178 mm)
- **Fasteners:** Double-sided pressure sensitive tape or screws (specify)
- **Colors:**
  - Brown (W1) with white lettering
  - Black (W2) with white lettering
  - Blue (W3) with white lettering
  - Silver (B1) with black lettering
  - Gold (B2) with black lettering
- **Notes:** Signs are individually packed in a poly bag

### 354A  |  354B
**Engraved Plastic Sign - Restroom(s)**
- **Certification:** Meets ANSI A156.16 L03201
- **Materials:** 0.125” (3.2 mm) thick plastic
- **Lettering:** 3/4” (19 mm) Helvetica
- **Size:** 2” x 6” (51 mm x 127 mm)
- **Fasteners:** Double-sided pressure sensitive tape or screws (specify)
- **Colors:**
  - Black (W2) with white lettering
  - Blue (W3) with white lettering
- **Notes:** Signs are individually packed in a poly bag

### 360M  |  360W
**Engraved Metal Sign - Men (360M) and Women (360W)**
- **Certification:** Meets ANSI A156.16 L03201
- **Materials:** 0.050” (1.3 mm) thick metal
- **Lettering:** 3/4” (19 mm) Helvetica black filled
- **Size:** 2” x 6” (51 mm x 152 mm)
- **Fasteners:** Double-sided pressure sensitive tape or screws (specify)
- **Finishes:** US3, US28, US32D
- **Notes:** Signs are individually packed in a poly bag

### 361H  |  361L
**Engraved Metal Sign - Push (361H) and Pull (361L)**
- **Certification:** Meets ANSI A156.16 L03201
- **Materials:** 0.050” (1.3 mm) thick metal
- **Lettering:** 3/4” (19 mm) Helvetica black filled
- **Size:** 2” x 4” (51 mm x 102 mm)
- **Fasteners:** Double-sided pressure sensitive tape or screws (specify)
- **Notes:** Signs are individually packed in a poly bag
362H  |  362L
Engraved Metal Sign - Push (362H) and Pull (362L)
Certification: Meets ANSI A156.16 L03201
Materials: 0.050” (1.3 mm) thick metal
Lettering: 3/4” (19 mm) Helvetica black filled
Size: 1” x 4-1/2” (25 mm x 114 mm)
Fasteners: Double-sided pressure sensitive tape or screws (specify)
Notes: Signs are individually packed in a poly bag

364M  |  364S
Plastic International Handicap Symbol
Certification: Meets ANSI A156.16 L03201
Materials: 0.0625” (1.6 mm) thick plastic raised HANDICAP symbol
Size: 364M - 4” x 4” (102 mm x 102 mm)
364S - 3” x 3” (76 mm x 76 mm)
Fasteners: Double-sided pressure sensitive tape standard or screws (specify)
Colors: Blue (W3) with raised white symbol
Notes: Signs are individually packed in a poly bag

364N
Engraved International No Smoking Symbol
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Size: 6” x 6” (152 mm x 152 mm)
Fasteners: Pressure sensitive tape standard or screws (specify)
Colors: Red (W4) with raised white symbol
Notes: Signs are individually packed in a poly bag

364L
Plastic International Handicap Symbol
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic 1/32” (0.8 mm) raised HANDICAP symbol
Size: 6” x 6” (152 mm x 152 mm)
Fasteners: Double-sided pressure sensitive tape standard or screws (specify)
Colors: • Brown (W4) with raised white symbol
• Black (W2) with raised white symbol
• Blue (W3) with raised white symbol
Notes: Signs are individually packed in a poly bag

365M  |  365W
ADA Tactile Signage - Men (365M) and Women (365W)
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Size: 6” x 8” (152 mm x 203 mm)
Fasteners: Double-sided pressure sensitive tape
Colors: • Brown (W1) with raised white symbol
• Black (W2) with raised white symbol
• Blue (W3) with raised white symbol
Notes: • Signs are individually packed in a poly bag
• Grade 2 Braille Translation conforming to section 4.30 requirements
### 366R
**ADA Tactile Signage - Room Number**
- Certification: Meets ANSI A156.16 L03201
- Materials: 0.125” (3.2 mm) thick plastic
- Size: 2-1/2” x 5” (64 mm x 127 mm)
- Fasteners: Double-sided pressure sensitive tape
- Colors: • Brown (W1) with raised white lettering  
  • Black (W2) with raised white lettering  
  • Blue (W3) with raised white lettering
- Notes: • Signs are individually packed in a poly bag  
  • Grade 2 Braille Translation conforming to section 4.30 requirements  
  • Please note numbers to be engraved when ordering

### 366S
**ADA Tactile Signage - Stairs**
- Certification: Meets ANSI A156.16 L03201
- Materials: 0.125” (3.2 mm) thick plastic
- Size: 6” x 8” (152 mm x 203 mm)
- Fasteners: Double-sided pressure sensitive tape
- Colors: • Brown (W1) with white symbol and lettering  
  • Black (W2) with white symbol and lettering  
  • Blue (W3) with white symbol and lettering
- Notes: • Signs are individually packed in a poly bag  
  • Grade 2 Braille Translation conforming to section 4.30 requirements

### 368E
**ADA Tactile Signage - Exit**
- Certification: Meets ANSI A156.16 L03201
- Materials: 0.125” (3.2 mm) thick plastic
- Size: 6” x 8” (152 mm x 203 mm)
- Fasteners: Double-sided pressure sensitive tape
- Colors: • Brown (W1) with white symbol and lettering  
  • Black (W2) with white symbol and lettering  
  • Blue (W3) with white symbol and lettering
- Notes: • Signs are individually packed in a poly bag  
  • Grade 2 Braille Translation conforming to section 4.30 requirements

### 368M  |  368W
**ADA Tactile Signage - Men (365M) and Women (365W) with Handicap**
- Certification: Meets ANSI A156.16 L03201
- Materials: 0.125” (3.2 mm) thick plastic
- Size: 6” x 8” (152 mm x 203 mm)
- Fasteners: Double-sided pressure sensitive tape
- Colors: • Brown (W1) with white symbol and lettering  
  • Black (W2) with white symbol and lettering  
  • Blue (W3) with white symbol and lettering
- Notes: • Signs are individually packed in a poly bag  
  • Grade 2 Braille Translation conforming to section 4.30 requirements
368U
ADA Tactile Signage - Unisex
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Size: 8” x 8” (203 mm x 203 mm)
Fasteners: Double-sided pressure sensitive tape
Colors: • Brown (W1) with white symbol and lettering
       • Black (W2) with white symbol and lettering
       • Blue (W3) with white symbol and lettering
Notes: • Signs are individually packed in a poly bag
       • Grade 2 Braille Translation conforming to section 4.30 requirements

369L | 369R
ADA Tactile Signage - Access Left (369L) and Access Right (369R)
Certification: Meets ANSI A156.16 L03201
Materials: 0.125” (3.2 mm) thick plastic
Size: 6” x 8” (152 mm x 203 mm)
Fasteners: Double-sided pressure sensitive tape
Colors: • Brown (W1) with white symbol and lettering
       • Black (W2) with white symbol and lettering
       • Blue (W3) with white symbol and lettering
Notes: • Signs are individually packed in a poly bag
       • Grade 2 Braille Translation conforming to section 4.30 requirements

370U | 370W | 370M
ADA Tactile Signage - Restroom, Men, and Women
Certification: Meets ANSI A156.16 L03201
Materials: 9/16” (14.3 mm) plastic
Size: • 370U - 12” (305 mm) diameter
      • 370W - 12” (305 mm) diameter
      • 370M - 10-1/2” (267 mm) side
Fasteners: Double-sided pressure sensitive tape
Color: Blue (W3) with white raised symbol and lettering
Notes: • Signs are individually packed in a poly bag
       • Grade 2 Braille Translation conforming to section 4.30 requirements
274B
Door Guard Protection Plate
Size: 1-1/8" x 1" x 1/2" (28.5 mm x 25 mm x 12.5 mm)
Materials: Brass
Notes: • Used when additional protective plate is required for frame application
       • Mounted with double-sided tape
       • To be used with the 274D

274C
Shim for Door Guard
Size: 1-1/16" x 1-1/2" (27 mm x 41 mm)
• 1-1/8" x 1-1/16" (29 mm x 27 mm)
Thickness: 3/32" (2.3 mm)
Materials: Black rubber
Notes: To be used with the 274D

274D
Door Guard
Certification: Meets ANSI A156.16 for L13041
Arm Length: 4-1/2" (114 mm)
Materials: Brass
Fasteners: Three (3) #6 x 1-1/2" OPHWS, four (4) #6 x 3/4" OPHWS, and seven (7)
6-32 x 12" OPHMS
Notes: • Permits door to be slightly opened to allow viewing
       • Hinged bar allows the door guard to be positioned 180 degrees away from the door
       • When not in use
       • Includes door guard protective plate 274B

277D
Door Guard
Certification: • Meets NFPA 80 5.2.13.3
              • Meets NFPA 80 5.2.4.2(9)
              • ADA Compliant Arm
Size: Base: 2-5/8" H x 1-9/16" W
      Projection: 2-3/16"
Materials: Cast zinc
Fasteners: • Three (3) #12 x 1 3/4" FPHSMS
           • Three (3) 12-24 machine screws
Note: Release tool 277R sold separately

300D
Chain Door Check
Certification: Meets ANSI A156.16 for L02231
Lengths: • 25-1/2" (648 mm) recommended for use with 36" (914 mm) wide door
         • 30-1/2" (775 mm) recommended for use with 42" (1067 mm) wide door
Base Plate: 1-1/2" x 1-1/2" (38 mm x 38 mm)
Materials: • Cast zinc base
          • Galvanized steel chain
          • EDPM rubber cover
Finish: US26D
Fasteners: Ten (10) #8 x 1" FPHSMS
Notes: • Tear resistant grey vinyl cover
       • Can be ordered through door mounting with grommet nut sets at extra charge
       • 440 pound load strength
       • Designed for full size exterior doors
301D
Residential Stop
Certification: Meets ANSI A156.16 for L02223
Materials: Wrought steel with rubber bumpers
Finishes: 2C, US3
Notes: • Works with 1/4" (6 mm) and 5/16" (8 mm) hinge pins
• For use where standard door stops are not desirable
• Positive slip proof design
• Adjustable from 70 degrees to 100 degrees
• Must purchase an NRP hinge for use with this pinstop

303W
Handrail Bracket
Certification: Meets ANSI A156.16 for L03061
Base Diameter: 3-5/32" (80 mm)
Base to Center of Rail: 2-3/4" (70 mm)
Materials: Brass
Fasteners: Three (3) #10 x 1-1/4" FPHWS, three (3) plastic anchors, three (3) 10-24 x 13/16" FPHMS, and three (3) 10-24 lead anchors

305D
Wire Pull
Certification: Meets ANSI A156.9 for B02011
Diameter of Rod: 5/16" (7.9 mm)
Projection: 1-9/32" (32.5 mm)
CTC Lengths: 3" (76 mm), 3-1/2" (89 mm), 4" (102 mm)
Materials: Brass
Fasteners: Two (2) 8-32 x 1" TPHMS

307D
Door Silencer
Certification: Meets ANSI A156.16 for L03011
Diameter: 1/2" (13 mm)
Projection: 1/8" (3 mm)
Materials: Rubber
Notes: • For use with metal frames
• Proper installation eliminates door rattle and provides constant tension for door latches or locks

308D
Door Silencer
Certification: Meets ANSI A156.16 for L0302
Projection: 9/64" (3.5 mm)
Base: 3/8" x 3/4" (9.5 mm x 19 mm)
Length: 3/4" (19 mm)
Materials: Rubber
Notes: • For use with wood frames
• Eliminates door rattle when door is latched
• Proper installation eliminates door rattle and provides constant tension for door latches or locks
MISCELLANEOUS

**310C**
Convension Kit
Filler Plate: 1-1-8” x 3-3/8” (29 mm x 86 mm)
Strike: 1-11/16” x 2-1/4” (43 mm x 57 mm)
Materials: Brass
Finishes: US10B, US26D
Notes: • Packed with filler plate, strike and fasteners
  • Change door from Roller Latch to Push/Pull Latch

**322V**
Wrought Door Knocker with Viewer (115°)
Certification: Meets ANSI A156.16 for L03163
Size: 2-3/16” x 3-1/4” (56 mm x 83 mm)
Materials: Brass
Fasteners: Three (3) #6 x 3/4” TPHSMS
Engraving: Available up to four characters
Notes: Requires 1/2” (13 mm) hole for viewer

**334V**
Door Knocker with Viewer (115°)
Certification: Meets ANSI A156.16 for L03163
Size: 3-9/16" x 6-3/4” (90.5 mm x 171.5 mm)
Materials: Solid Cast Brass
Fasteners: • Two (2) #8 finish washers
  • Two (2) 7-32 x 1-7/8” OHMS for 1-5/8” doors
  • Two (2) 7-32 x 2” OHMS for 1-3/4” doors
Engraving: Available up to four characters

**1755**
115° Door Viewer
Certification: Meets ANSI A156.16 for L03223
Materials: Brass
Door Thickness: 1-3/8” - 2-1/8” thick, adjustable
Notes: • For doors up to 2-1/8” (54 mm) thick, adjustable
  • Requires 1/2” (13 mm) hole for viewer
  • Tamper resistant
  • 90 minute fire-rated
  • One-way viewer
1756
185° Door Viewer
Certification: Meets ANSI A156.16 for L03223
Materials: Brass
Notes: • Requires 9/16” (14 mm) hole for viewer
• For doors up to 2-1/8” (54 mm) thick, adjustable
• Tamper resistant
• 90 minute fire-rated
• One-way viewer

1758
115° Door Viewer with Privacy Flap
Certification: Meets ANSI A156.16 for L03223
Materials: Brass
Notes: • Requires 9/16” (14 mm) hole for viewer
• For doors 1-3/8” (35 mm) to 2-1/8” (54 mm) thick, adjustable
• Tamper resistant
• 90 minute fire-rated
• One-way viewer
• Flap diameter - 3/4”

1759
185° Door Viewer with Privacy Flap
Certification: Meets ANSI A156.16 for L03223
Materials: Brass
Notes: • Requires 9/16” (14 mm) hole for viewer
• For doors 1-3/8” (35 mm) to 2-1/8” (54 mm) thick, adjustable
• Tamper resistant
• 90 minute fire-rated
• One-way viewer
• Flap diameter - 3/4”

1765
Privacy Flap for Use with Hager 115° Door Viewer (1755)
Materials: Brass
Notes: Flap diameter - 3/4”

1766
Privacy Flap for Use with Hager 185° Door Viewer (1756)
Materials: Brass
Notes: Flap diameter - 3/4”
### 208 Kick Down Door Stop

- **Base:** 1-5/8” x 1-7/8” (41 mm x 48 mm)
- **Arm:** 3-7/8” (98 mm)
- **Materials:** Aluminum alloy
- **Fasteners:** Three (3) #6 x 3/4” FPHWS
- **Notes:**
  - Poly bag (1 each) with screws
  - Provides simple hold and release with a touch of the foot
  - 3” (76 mm) max door to floor clearance

### 209 Floor Door Stop

- **Height:** 1-1/4” (32 mm)
- **Base Diameter:** 1-3/32” (28 mm)
- **Tip Diameter:** 19/32” (15 mm)
- **Materials:** Zinc alloy
- **Fasteners:** One (1) #8 x 2” FPHWS
- **Notes:**
  - Non-marking white tip
  - 3/8” (9.5 mm) max door to floor clearance

### 210 Rigid Door Stop

- **Projection:** 3” (76 mm)
- **Tip Diameter:** 11/16” (17.5 mm)
- **Base Diameter:** 1” (25 mm)
- **Materials:** Zinc alloy
- **Finishes:** US3, US26, AN
- **Fasteners:** #8 x 5/8” thread
- **Notes:** Bumper made of rubber

### 211 Flexible Door Stop

- **Projection:** 3-1/8” (79 mm)
- **Tip Diameter:** 9/16” (14 mm)
- **Base Diameter:** 1” (25 mm)
- **Materials:** Steel
- **Fasteners:** One (1) #8 x 3/4” PPHWS
- **Notes:**
  - Bumper made of rubber
  - Flexible spring
212
Hinge Pin Door Bumper
Materials: Zinc alloy base
Notes: • Non-marking white plastic tip
• For use where standard door stops are not desirable
• For use with narrow trim
• Adjustable from 80 degrees to 120 degrees
• For use with residential hinges
• Works with 1/4” (6 mm) hinge pins

1412
Door Guard
Arm Length: 4 (102 mm)
Materials: Zinc alloy base
Fasteners: Seven (7) #6 x 3/4” FPHWS
Notes: • Provides extra security from inside door
• Limits door opening when latch is thrown
• Poly bag (1 each) with screws

212
Flush Bolt
Faceplate: 3/4” x 6” (19 mm x 181 mm)
Strike: 7/8” x 1-3/4” (22 mm x 45 mm)
Bolt Diameter: 1/2” (13 mm)
Bolt Throw: 15/16” (24 mm)
Bolt Backset: 7/16” (11 mm)
Materials: Brass faceplate with steel components
Fasteners: Four (4) #6 x 3/4” FPHWS
Notes: • Poly bag (1 each) with strikeplate and screws
• Square corners

1414
Flush Bolt
Faceplate: 3/4” x 6” (19 mm x 181 mm)
Strike: 7/8” x 1-3/4” (22 mm x 45 mm)
Bolt Diameter: 1/2” (12.7 mm)
Bolt Throw: 15/16” (24 mm)
Bolt Backset: 7/16” (11 mm)
Materials: Brass faceplate with steel components
Fasteners: Four (4) #6 x 3/4” FPHWS
Notes: • Poly bag (1 each) with strikeplate and screws
• Rounded corners
**1415**
**Strike Plate**
Size: 7/8” x 1-3/4” (22 mm x 45 mm)  
Fasteners: Two (2) #6 x 3/4” FPHWS  
Notes:  
- For use with 1413 and 1414 Flush Bolts  
- Packed (1 each) with Poly bag and screws

**1416**
**Single Route Flush Bolt**
Faceplate: 3/4” x 7-1/8” (19 mm x 181 mm)  
Strike: 21/32” x 1-1/2” (17 mm x 38 mm)  
Bolt Diameter: 5/16” (8 mm)  
Bolt Throw: 7/8” (22 mm)  
Bolt Backset: 3/8” (9.5 mm)  
Materials: Brass faceplate with steel components  
Fasteners: Two (2) #8 x 1-1/2” FPHWS and two (2) #6 x 3/4” FPHWS  
Notes:  
- Poly bag (1 each) with strikeplate and screws  
- Rounded corners  
- Single route for quick and simple door prep

**1418**
**Flush Bolt with Extension Rod**
Faceplate: 23/32” x 7-3/8” (18 mm x 187 mm)  
Strike: 5/8” x 1-1/2” (16 mm x 38 mm)  
Bolt Diameter: 5/16” (8 mm)  
Bolt Throw: 3/4” (19 mm)  
Bolt Backset: 3/8” (9.5 mm)  
Extension Rod Length: 16” (406 mm)  
Materials: Brass faceplate with steel components  
Fasteners: Two (2) #8 x 1-1/2” FPHWS and two (2) #6 x 3/4” FPHWS  
Notes:  
- Poly bag (1 each) with strikeplate and screws  
- Rounded corners  
- Single route for quick and simple door prep

**1419**
**Flush Bolt with Extension Rod**
Faceplate: 3/4” x 7-1/8” (19 mm x 181 mm)  
Strike: 5/8” x 1-1/2” (16 mm x 38 mm)  
Bolt Diameter: 5/16” (8 mm)  
Bolt throw: 3/4” (19 mm)  
Bolt Backset: 5/16” (8 mm)  
Materials: Brass faceplate with steel components  
Fasteners: Two (2) #8 x 1-1/2” FPHWS and two (2) #6 x 3/4” FPHWS  
Notes: Single route for quick and simple door prep
1439 | BL6439
Magnetic Catch - Light Weight

- **Catch:** 1-1/16” x 2” (27 mm x 51 mm)
- **Strike:** 7/8” x 1” (22 mm x 25 mm)
- **Materials:** Tan plastic case
- **Fasteners:** Two (2) #6 x 1 1/2” TPHWS and one (1) #4 x 1 1/2” FPHWS
- **Notes:**
  - Poly bag (1 each) with screws
  - Double-sided magnet, self-aligning, 6 lb. pull
  - Self aligning magnet insures maximum pull
  - BL6439 is Builder’s Pack Poly bag (1 each) with screws

1445
Roller Latch

- **Hole Diameter:** 13/16” (21 mm)
- **Hole Depth:** 1-1/8” (29 mm)
- **Materials:** Zinc alloy base
- **Fasteners:** Two (2) #4 x 3/4” FPHWS
- **Notes:**
  - Poly bag (1 each) with screws
  - Designed for use on cabinets and lightweight doors
  - Not intended for heavy weight applications

1446
Light Weight Ball Catch

- **Faceplate:** 1” x 2-1/4” (25 mm x 57 mm)
- **Strike:** 1-3/8” x 2-1/4” (35 mm x 57 mm)
- **Hole Diameter:** 1” (25 mm)
- **Hole Depth:** 1-1/4” (32 mm)
- **Materials:** Steel housing, brass strike, plated steel ball
- **Fasteners:** Four (4) #6 FPHWS
- **Notes:**
  - Designed for use on cabinets and light weight doors
  - Not intended for heavy weight applications
  - Ball adjusts in and out for various door and frame clearances
  - Poly bag (1 each) with steel screws

1447
Light Weight Ball Catch

- **Strike:** 1-3/8” x 2-1/4” (35 mm x 57 mm)
- **Faceplate:** 1” (25 mm) diameter
- **Hole Diameter:** 15/16” (24 mm)
- **Hole Depth:** 1-1/4” (32 mm)
- **Materials:** Zinc housing, brass strike, plated steel ball
- **Fasteners:** Two (2) #6 FPHWS
- **Notes:**
  - Designed for use on cabinets and light weight doors
  - Not intended for heavy weight applications
  - Ball adjusts in and out for various door and frame clearances
  - Poly bag (1 each) with steel screws
1448
Strike Plate

- Size: 1-3/8” x 2-1/4” (35 mm x 57 mm)
- Material: Brass
- Fasteners: Two (#6 FPHWS)
- Notes: For use with 1446 and 1447 ball catches

1449
Drive In Ball Catch

- Faceplate: 1” (25 mm) diameter
- Hole Diameter: 15/16” (24 mm)
- Hole Depth: 1-1/4” (32 mm)
- Materials: Zinc housing, plated steel ball
- Finishes: US4
- Packaging: 100 per box
- Notes:
  - Ball catch designed for use on cabinets and light weight doors
  - Not intended for heavyweight applications
  - Ball adjusts in and out for various door and frame clearances

BL6793
Pole Sockets

- Outside Diameter: 2-7/16” (62 mm)
- Materials: Steel
- Notes:
  - For poles up to 1-3/8” (35 mm) diameter
  - Flange design prevents accidental knock out of pole
  - Poly bag (2 each) with screws

BL6794
Pole Sockets

- Outside Diameter: 2-3/16” (56 mm)
- Materials: Plastic
- Notes:
  - For poles up to 1-3/8” (35 mm) diameter
  - Poly bag (2 each) with screws

1795
Closet Rod

- Pole Diameter: 1” (25 mm)
- Available Lengths: 18” - 30”
  - 30” - 48”
  - 48” - 72”
  - 72” - 96”
  - 96” - 150”
- Materials: Steel with bright zinc finish
- Finishes: White enamel
- Fasteners: Six (#8 x 1” TPH tapping screws
- Notes:
  - Quick mount end
  - High strength lock seam tubing
  - Poly bag (1 each) with screws
1797
**Shelf Bracket with 2-1/2” Drop**
- **Materials:** Steel ANSI B04051
- **Finishes:** White Enamel
- **Fasteners:** Two (2) #8 x 5/8” PPH tapping screws and two (2) #10 x 1-1/2” PPH tapping screws
- **Notes:**
  - For shelf and rod support
  - Heavy gauge steel construction embossed for added strength
  - Holds 1-3/8” (35 mm) diameter rod
  - Supports 12” (305 mm) shelf
  - Bulk with screws
  - 150 lbs. load rating

1798
**Shelf Bracket with 3” Drop**
- **Materials:** Steel ANSI B04051
- **Finishes:** White Enamel
- **Fasteners:** Two (2) #8 x 5/8” PPH tapping screws and two (2) #10 x 1-1/2” PPH tapping screws
- **Notes:**
  - Adjustable shelf and rod support
  - Heavy gauge steel construction embossed for added strength
  - Holds 1-3/8” (35 mm) diameter rod
  - Supports 12” (305 mm) shelf
  - Bulk with screws
  - 150 lbs. load rating

1799
**Shelf Bracket - Adjustable**
- **Materials:** Steel ANSI B04051
- **Finishes:** White Enamel
- **Fasteners:** Two (2) #8 x 3/4” PPH tapping screws and two (2) #10 x 1-1/2” PPH tapping screws
- **Notes:**
  - Adjustable shelf and rod support
  - Heavy gauge steel construction embossed for added strength
  - Holds 1-3/8” (35 mm) diameter rod
  - Supports 12” (305 mm) shelf
  - 3/4” (19 mm) adjustability
  - Bulk with screws

1801
**Shelf Bracket**
- **Materials:** Steel ANSI B04051
- **Finishes:** White enamel
- **Fasteners:** Two (2) #8 x 5/8” PPH tapping screws and two (2) #10 x 1-1/2” PPH tapping screws
- **Notes:**
  - Less rod support
  - Heavy gauge steel construction embossed for added strength
  - Supports 12” (305 mm) shelf
  - Bulk with screws
### 6601
**Handrail Bracket**
- **Projection:** 3-1/4" (82.5 mm)
- **Base to Center of Rail:** 2-3/4" (70 mm)
- **Materials:** Cast aluminum
- **Fasteners:** Three (3) #8 x 1-1/2" OPHWS and two (2) #8 x 3/4" OPHWS
- **Notes:** Poly bag (1 each) with wood screws and rail bracket

### BL6610
**Coat and Hat Hook**
- **Upper Projection:** 2-13/16" (71 mm)
- **Lower Projection:** 1-5/16" (33 mm)
- **Material:** Cast steel
- **Fasteners:** Two (2) #6 x 3/4" FPHWS
- **Notes:**
  - Poly bag (1 each) with screws
  - Builder’s pack