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.

Table of Contents

General Information ................................................................. 2
Pulls ........................................................................................... 5
Flush Cap Pulls ......................................................................... 22
Pull Plates................................................................................... 26
Push Plates ................................................................................ 28
Push Bars ................................................................................... 32
Push & Pull Bar Sets .................................................................. 35
Door Edgings & Corner Guards ................................................. 40
Door Protection Plates ............................................................. 42
Wall Stops & Holders ............................................................... 43
Roller Stops .............................................................................. 48
Floor Stops & Holders .............................................................. 49
Kick Down Door Stops ............................................................. 56
Surface Bolts ............................................................................. 57
Flush Bolts & Coordinating Devices ......................................... 58
Latches & Protection Plates ...................................................... 65
Coat Hooks ................................................................................ 69
Pulls - Closet/Pocket/Sliding Door ........................................... 71
Filler Plates................................................................................. 74
Signage ..................................................................................... 76
Miscellaneous ........................................................................... 81
Residential ................................................................................ 85
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

![Diagram of pull plates up to 4" wide]

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

![Diagram of pull plates over 4" wide 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. 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)
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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<tbody>
<tr>
<td>2C</td>
<td>Zinc Plated Steel</td>
<td>Steel</td>
<td>603</td>
</tr>
<tr>
<td>3</td>
<td>Bright Brass</td>
<td>Brass</td>
<td>605</td>
</tr>
<tr>
<td>4</td>
<td>Satin Brass</td>
<td>Brass</td>
<td>606</td>
</tr>
<tr>
<td>5</td>
<td>Satin Brass, Oxidized</td>
<td>Brass/Bronze</td>
<td>609</td>
</tr>
<tr>
<td>9</td>
<td>Bright Bronze</td>
<td>Brass/Bronze</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>Satin Bronze</td>
<td>Brass/Bronze</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>Antique Bronze, Oiled</td>
<td>Brass/Bronze</td>
<td>613</td>
</tr>
<tr>
<td>10R</td>
<td>Matte Lacquer Antique Bronze</td>
<td>Brass/Bronze</td>
<td>-</td>
</tr>
<tr>
<td>15</td>
<td>Satin Nickel</td>
<td>Brass/Bronze</td>
<td>619</td>
</tr>
<tr>
<td>15A</td>
<td>Satin Nickel Oxidized</td>
<td>Brass/Bronze</td>
<td>620</td>
</tr>
<tr>
<td>19</td>
<td>Flat Black Coated</td>
<td>Brass</td>
<td>622</td>
</tr>
<tr>
<td>26</td>
<td>Bright Chromium Plated</td>
<td>Brass/Bronze</td>
<td>625</td>
</tr>
<tr>
<td>26D</td>
<td>Satin Chromium Plated</td>
<td>Brass/Bronze</td>
<td>626</td>
</tr>
<tr>
<td>28</td>
<td>Satin Anodized Aluminum</td>
<td>Aluminum</td>
<td>628</td>
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<tr>
<td>32</td>
<td>Stainless Steel Metal, Bright</td>
<td>300 Series</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>Stainless Steel Metal, Satin</td>
<td>300 Series</td>
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<td>Duro</td>
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<td>PC</td>
<td>Clear Plastic</td>
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<td>PK</td>
<td>Plastic Laminate - Black</td>
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<tr>
<td>CO</td>
<td>Plastic Laminate - Chocolate</td>
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<tr>
<td>PG</td>
<td>Plastic Laminate - Grey</td>
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<td>S1</td>
<td>Sprayed Aluminum</td>
<td>Cast Iron</td>
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<td>S2</td>
<td>Sprayed Brass</td>
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<tr>
<td>S3</td>
<td>Sprayed Bronze</td>
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<td>DBZ</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:  US32D 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:  • 2-5/8” (63.5 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:  US32D 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: US32D 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 14

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
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: US32D Two (2) 1/4-20 x 2-1/4” FPHMS with finish washers
Handicap: • 2-1/2” (64 mm) clearance available on special orders
Notes: • For sizes or finishes not listed in this catalog, contact Hager Customer Service
• 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” FPHMS 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” FPHMS 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**

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</tr>
</thead>
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<tr>
<td>Projection:</td>
<td>2” (51 mm)</td>
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<tr>
<td>Clearance:</td>
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<tr>
<td>Door Thickness:</td>
<td>1-3/4” (45 mm) - Standard</td>
</tr>
<tr>
<td>Materials:</td>
<td>Brass, bronze, stainless steel</td>
</tr>
<tr>
<td>Fasteners:</td>
<td>Two (2) 1/4-20 x 2-1/4” FPHMS with finish washers</td>
</tr>
<tr>
<td>Handicap:</td>
<td>• 2-1/2” (64 mm) clearance available on special orders</td>
</tr>
<tr>
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<td>• Add prefix “H” to number (i.e., 9HE)</td>
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<td></td>
<td>• Other centers on special order</td>
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<tr>
<td>Notes:</td>
<td>• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability</td>
</tr>
<tr>
<td></td>
<td>• Not suitable for back to back mounting</td>
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<td>203</td>
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10
**Round Pull**

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<tr>
<td>Base Diameter:</td>
<td>1-1/4” (32 mm)</td>
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<tr>
<td>Projection:</td>
<td>3” (76 mm)</td>
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<tr>
<td>Clearance:</td>
<td>1-3/4” (45 mm)</td>
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<tr>
<td>Door Thickness:</td>
<td>1-3/4” (45 mm) - Standard</td>
</tr>
<tr>
<td>Materials:</td>
<td>Aluminum, brass, bronze, stainless steel</td>
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<tr>
<td>Fasteners:</td>
<td>Two (2) 5/16-18 FPHMS with finish washers</td>
</tr>
<tr>
<td>Handicap:</td>
<td>• 2-1/2” (64 mm) clearance available on special orders</td>
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<tr>
<td></td>
<td>• Other centers on special order</td>
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<tr>
<td>Notes:</td>
<td>• If ordered with tempered glass, specify glass thickness and hole size</td>
</tr>
<tr>
<td></td>
<td>• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability</td>
</tr>
<tr>
<td></td>
<td>• Back to back - see model 20</td>
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<tr>
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11
**Round Offset Pull**

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<tbody>
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<tr>
<td>Projection:</td>
<td>2-1/2” (64 mm)</td>
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<tr>
<td>Offset:</td>
<td>2-1/2” (64 mm); 90° Standard</td>
</tr>
<tr>
<td>Clearance:</td>
<td>1-3/4” (45 mm)</td>
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<tr>
<td>Door Thickness:</td>
<td>1-3/4” (45 mm) - Standard</td>
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<tr>
<td>Materials:</td>
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<tr>
<td>Fasteners:</td>
<td>Two (2) 5/16-18 x 2-1/4” FPHMS with finish washers</td>
</tr>
<tr>
<td>Handicap:</td>
<td>• 2-1/2” (64 mm) clearance available on special orders</td>
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<tr>
<td></td>
<td>• Add prefix “H” to number (i.e., H11E)</td>
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<td>Options:</td>
<td>• For 45° offset, add prefix “X” to number (i.e., X11E)</td>
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<td>• Other centers available on special orders</td>
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<tr>
<td>Notes:</td>
<td>• If ordered with tempered glass, specify glass thickness and hole size</td>
</tr>
<tr>
<td></td>
<td>• For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability</td>
</tr>
<tr>
<td></td>
<td>• Back to back - see model 21</td>
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</table>
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

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

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
**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)  
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); 90º - 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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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); 90° 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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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); 90° 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 45° 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); 90° 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
190F
Foot Pull
Projection: 3” (76.2 mm)
Door Thickness: 1-3/4” Standard
Material: T6 Aluminum
Finish: Silver Powder Coat
Notes: Fastener pack to consist of three #12 screws suitable for wood or metal doors and one sex nut and bolt.
Installation instructions
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
- **Clearance:**
  - 36” and 20”: 2” (51 mm)
  - 72” and 56”: 1-1/2” (38 mm)
- **Projection:**
  - 36” and 20”: 3-1/4” (83 mm)
  - 72” and 56”: 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
- **Finishes:** US3, US4, US10, US10B
- **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
**90° Pull**
- **Projection:** 3" (76 mm)
- **Clearance:** 1-3/4" (45 mm)
- **CTC Lengths:** 14-5/32" - 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
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **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
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **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
- **Fasteners:** Two (2) 3/8-16 FPHMS w/ finish washers
- **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
**PULLS**

**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

### 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

### 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

- **O/A Height:** 29-1/2" (750 mm)
- **Base Diameter:** 1-1/4" (32 mm)
- **Pull Diameter:** 1-1/4" (32 mm)
- **Projection:** 5-3/8” (137 mm)
- **Clearance:** 4-1/8” (105 mm)
- **Offset:** 1-3/4” (45 mm)
- **CTC Length:** 19-13/16” (503 mm)
- **Materials:** Stainless steel
- **Finish:** US32D
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **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

- **CTC Length:** 9” (229 mm), 12” (305 mm), 18” (457 mm), 24” (610 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **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

- **Projection:** 2-3/8” (60 mm)
- **CTC Length:** 9” (229 mm), 12” (305 mm), 18” (457 mm), 24” (610 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **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

- **Base Diameter:** 1-5/16” (33 mm)
- **Projection:** 3-1/8” (79 mm)
- **Clearance:** 1-13/16” (46 mm)
- **CTC Length:** 20” (508 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **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**

- **O/A Height:** 21-1/4” (540 mm)
- **Base Diameter:** 1-1/4” (32 mm)
- **Projection:** 3-1/8” (79 mm)
- **Clearance:** 1-7/8” (48 mm)
- **CTC Length:** 20” (508 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **Notes:**
  - 983B is pair of 983P 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

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

- **Projection:** 3” (76 mm)
- **CTC Lengths:** 12” (305 mm), 20” (508 mm)
- **Materials:** Brass, bronze, stainless steel
- **Fasteners:** Two (2) 3/8-16 FPHMS with finish washers
- **Notes:**
  - 984B is pair of 984P with fasteners for back to back mounting
  - For sizes or finishes not listed in this catalog, contact Hager Customer Service for availability

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

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

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

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

15C
Heavy Duty 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: 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 Fasteners
Notes: 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
Finish: 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
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
**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)

**80, 90, 100 Series**

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

**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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**Pull Plate Chart**

<table>
<thead>
<tr>
<th>Pull</th>
<th>30, 40, 50 Series</th>
<th>A30, A40, A50 Series</th>
<th>80, 90, 100 Series</th>
</tr>
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<td>Square Corner</td>
<td>Radius Corner</td>
<td>Rounded Corner</td>
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<tr>
<td>1E</td>
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<tr>
<td>9L</td>
<td>39L</td>
<td>49L</td>
<td>59L</td>
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</tbody>
</table>
**313S**

**Antivandal Trim**

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 FPHMS 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)

**313L**

**Antivandal Trim with Latchguard**

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

Size: 7-13/32” x 11” (188 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 FPHMS 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>
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<tbody>
<tr>
<td>Inches</td>
<td>76 x 305</td>
<td>89 x 38</td>
<td>102 x 406</td>
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<tr>
<td>Millimeters</td>
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**40R | A40R**

**Radius Corner - 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 - 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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### 60S
**Square Corner - Beveled Push Plate**
- **Certification:** Meets ANSI A156.6 for J304 Push Plate
- **Gauge:** 0.125” (3.2 mm)
- **Materials:** Plastic laminate
- **Finish:**
  - 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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### 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
- **Finish:**
  - 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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### 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
- **Finish:**
- **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>
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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</table>

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
Plate: 8” x 16” (203 mm x 406 mm)
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
**PUSH BARS**

**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
**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 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
PUSH BARS

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) 3/16 - 18 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

* = **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

## 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

### Notes:
- **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.

## 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

## 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

## 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

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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.
### PUSH & PULL BAR SETS

<table>
<thead>
<tr>
<th>Model</th>
<th>Certification</th>
<th>Bar Stock</th>
<th>Projection</th>
<th>Pull CTC</th>
<th>Offset</th>
<th>Materials</th>
<th>Finishes</th>
<th>Options</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>159D</td>
<td>Meets ANSI A156.6 for J505 Bar Sets</td>
<td>1&quot; (25 mm)</td>
<td>2-1/2&quot; (64 mm)</td>
<td>10&quot; (254 mm)</td>
<td>3&quot; (76 mm), 90° Standard</td>
<td>Aluminum, brass, bronze, stainless steel</td>
<td>US3, US4, US10, US10B, DBZ, US28, US32, US32D</td>
<td>For 45° offset pull, add prefix &quot;X&quot; to number (i.e., X159D)</td>
<td>Non-reversible; specify handing</td>
</tr>
<tr>
<td>160D</td>
<td>Meets ANSI A156.6 for J505 Bar Sets</td>
<td>1&quot; (25 mm)</td>
<td>2-1/2&quot; (64 mm)</td>
<td>12&quot; (305 mm)</td>
<td>3&quot; (76 mm), 90° Standard</td>
<td>Aluminum, brass, bronze, stainless steel</td>
<td>US3, US4, US10, US10B, DBZ, US28, US32, US32D</td>
<td>For 45° offset pull, add prefix &quot;X&quot; to number (i.e., X160D)</td>
<td>Non-reversible; specify handing</td>
</tr>
<tr>
<td>161D</td>
<td>Meets ANSI A156.6 for J505 Bar Sets</td>
<td>1-1/4&quot; (32 mm)</td>
<td>2-1/2&quot; (64 mm)</td>
<td>18&quot; (457 mm)</td>
<td>3&quot; (76 mm), 90° Standard</td>
<td>Aluminum, brass, bronze, stainless steel</td>
<td>US3, US4, US10, US10B, DBZ, US28, US32, US32D</td>
<td>For 45° offset pull, add prefix &quot;X&quot; to number (i.e., X161D)</td>
<td>Non-reversible; specify handing</td>
</tr>
</tbody>
</table>

*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.
### 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
  - Non-reversible; specify handing

---

* **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.).
## Mortise Door Edging

**180H | 180K | 180M | 180P | 180Q**

**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

### Diagrams

![180H Diagram](image1)

![180K Diagram](image2)

![180M Diagram](image3)

![180P Diagram](image4)

![180Q Diagram](image5)

## Overlap Door Edging

**181H | 181K | 181M | 181P | 181Q**

**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

### Diagrams

![181H Diagram](image6)

![181K Diagram](image7)

![181M Diagram](image8)

![181P Diagram](image9)

![181Q Diagram](image10)
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)
Finish: 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
Finish: US28, US32D
Fasteners: #6 x 3/4” 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.

#### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Thickness</th>
<th>U.S. Gauge</th>
<th>Materials</th>
<th>Finishes</th>
<th>Bevel</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>198S</td>
<td>0.038” (0.8 mm)</td>
<td>20</td>
<td>Stainless steel</td>
<td>US32D</td>
<td>4 edges</td>
<td></td>
</tr>
<tr>
<td>199B</td>
<td>0.038” (0.8 mm)</td>
<td>20</td>
<td>Aluminum</td>
<td>Bright gold anodized</td>
<td>#6 x 5/8” TPH Tapping Screws</td>
<td></td>
</tr>
<tr>
<td>204S</td>
<td>0.125” (3.2 mm)</td>
<td></td>
<td>Clear plastic</td>
<td></td>
<td>4 edges</td>
<td></td>
</tr>
<tr>
<td>214S</td>
<td>0.125” (3.2 mm)</td>
<td></td>
<td>Plastic laminate</td>
<td>Black, Brown, Grey</td>
<td>4 edges</td>
<td></td>
</tr>
<tr>
<td>225S</td>
<td>0.060” (1.9 mm)</td>
<td></td>
<td>Kydex®</td>
<td>CBO - Calcutta Black, KGO - Beige, KHO - Chocolate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes:

- Other colors are available and will be subject to minimum order quantities; priced on application
- 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 concrete walls
• 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 concrete walls
• 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
- **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:**
- For use on 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 Diameter:** 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

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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 45° 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

**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

**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
**FLOOR STOPS & HOLDERS**

### 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
- **Finishes:** US10B, US26D
- **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:**
  - 1/2” (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:** 2-1/4” (57 mm)
- **Material:** Cast brass with grey rubber bumper
- **Finishes:** US10B, US26D
- **Fasteners:** Three (3) #10 x 1-1/4” FPHWS, three (3) plastic anchor, 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
269T
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: 3-1/2” (89 mm)
Steel Bolt: 5/8 – 11 x 2-1/2” thread
Materials: Black rubber (fire-resistant)
Fasteners:
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

326F
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” x 4-3/32” (51 mm x 104 mm)
Strike Height: 1-1/4” (32 mm)
Max Door to Floor Clearance: 1/2” (13 mm) or less
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

327F
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: 1-3/4” (44 mm)
Max Door to Floor Clearance: 9/16” to 1-1/16” (14 mm to 27 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
**328F**

**Automatic Floor Stop and Holder**

Certification: Meets ANSI A156.16 for Lo1301

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

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**329F**

**Automatic Floor Stop and Holder**

Certification: Meets ANSI A156.16 for Lo1301

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
**SURFACE BOLTS**

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**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

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**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

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**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:** US10B, US26D
- **Fasteners:** Twelve (12) #6 x 3/4” FPHWS
- **Notes:** Mortise and universal strikes included
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), 24” (610 mm), or 30” (762 mm) (bolt head not included)
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
FLUSH BOLTS & COORDINATING DEVICES

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
297D
Coordinating Device
Certification: ANSI/BHMA A156.3 Type #21A
Projection: 1-5/8" x 5/8" (41 mm x 16 mm)
Base: 1" (25 mm)
Maximum Astragal Overlap: 5/8" (16 mm)
Stop Height: Steel
Materials: Black Prime Coat
Fasteners: Two (2) 12-24 x 3/4" PPHMS w/ hex 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
• 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 bracket 297B 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

297C
Carry 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: Brass and stainless steel
Fasteners: Two (2) 12-24 x 3/4" PPHMS w/ sex nuts
Notes:
• Used when it is possible for the inactive door to be opened before the active door
• For use on pairs of doors with astragals
• For use in conjunction with a 297D or 298D coordinator
• Prevents damage to the doors and other hardware
• Carry bar is not required when the inactive door is equipped with automatic or self-latching flushbolts
• Non-handed
297F
**Filler Bar**

- **Stop Height:** 5/8” (16 mm)
- **Material:** Steel
- **Finishes:** 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

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297B
**Mounting Bracket**

- **Jamb Depth:** 4-3/4” (121 mm)
- **Stop Height:** .58” (15 mm)
- **Material:** Aluminum
- **Finishes:** Black prime coat
- **Fasteners:** Two (2)12-24 x 2” thread forming screws

**Notes:**
- For use with 297D coordinator
- For all soffit widths
- 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
- Spacer 1-469-5130 (sold separately) is required when used in fire door applications with “fifth hole” closer parallel arm brackets.

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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
- **Finishes:** US3, US10, US10B, US26D
- **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
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

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

Optional Horizontal Mounting
Requires 5” (127 mm) backset

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

321R
Adjustable Ball Catch with Strike
Roller Faceplate: 1” x 2-1/8” (25 mm x 54 mm)
Strike: 1-1/2” x 2-1/8” (38 mm x 54 mm)
Strike Gauge: 0.050” (1.3 mm)
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
### 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 and 500 piece MOQ
- **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
  - For use with 1-3/8" doors only

**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
### COAT HOOKS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Diameter</th>
<th>Projection</th>
<th>Materials</th>
<th>Finishes</th>
<th>Fasteners</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>901P</td>
<td>Coat Hook - Short Single</td>
<td>1” (25 mm)</td>
<td>1-1/4” (32 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
<td>#14 x 1-1/4” wood thread</td>
<td>Concealed mounting</td>
</tr>
<tr>
<td>902P</td>
<td>Coat Hook - Long Single</td>
<td>1” (25 mm)</td>
<td>2-1/2” (63 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
<td>#14 x 1-1/4” wood thread</td>
<td>Concealed mounting</td>
</tr>
<tr>
<td>903P</td>
<td>Coat Hook - Long Double</td>
<td>1” (25 mm)</td>
<td>2-1/2” (63 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
<td>#14 x 1-1/4” wood thread</td>
<td>Concealed mounting</td>
</tr>
<tr>
<td>936P</td>
<td>Coat Hook Single Angled</td>
<td>1-15/16” (49 mm)</td>
<td>3-5/16” (84 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
<td></td>
<td>Concealed mounting</td>
</tr>
<tr>
<td>937P</td>
<td>Coat Hook</td>
<td>Projections:</td>
<td>3-3/4” (95 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
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<td></td>
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<tr>
<td>940P</td>
<td>Coat Hook - Double</td>
<td>Overall Height: 4-11/16” (119 mm)</td>
<td>Top Projection: 3-15/16” (100 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
<td>Two (2) #10 x 1” FPHWS</td>
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</tr>
<tr>
<td>941P</td>
<td>Coat Hook - Single</td>
<td>Overall Height: 2-5/16” (59 mm)</td>
<td>Projection: 2-1/8” (54 mm)</td>
<td>Brass</td>
<td>US3, US26D</td>
<td>Two (2) #10 x 1” FPHWS</td>
<td></td>
</tr>
</tbody>
</table>
**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  
Notes: 

**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  

**947P**  
**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" PPHHS 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
### FILLER PLATES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Size</th>
<th>Thickness</th>
<th>Materials</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>336A</td>
<td>Door Edge Filler Plate - 161 Prep</td>
<td>1-1/8” x 2-1/4”</td>
<td>0.134” (3.4 mm)</td>
<td>Primed steel</td>
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<td></td>
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<td>(29 mm x 57 mm)</td>
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<td>336B</td>
<td>Door Edge Filler Plate - 86 Prep</td>
<td>1-1/4” x 8”</td>
<td>0.180” (4.5 mm)</td>
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<td>(32 mm x 203 mm)</td>
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<tr>
<td>336C</td>
<td>Door Face Filler Plate</td>
<td>1-3/4” (45 mm)</td>
<td>0.055” (1.4 mm)</td>
<td>Primed steel</td>
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<td>336D</td>
<td>Door Face Filler Plate</td>
<td>2-5/8” (67 mm)</td>
<td>0.055” (1.4 mm)</td>
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<td>diameter</td>
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<tr>
<td>336E</td>
<td>Door Edge Filler Plate - Square</td>
<td>1-3/4” x 4-1/2”</td>
<td>0.134” (3.4 mm)</td>
<td>Primed steel</td>
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<td>(45 mm x 114 mm)</td>
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<tr>
<td>336F</td>
<td>Door Edge Filler Plate - Bevel</td>
<td>1-1/2” x 4-1/2”</td>
<td>0.134” (3.4 mm)</td>
<td>Primed steel</td>
<td>For handed doors</td>
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<td>(38 mm x 114 mm)</td>
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<tr>
<td>336G</td>
<td>Door Edge Filler Plate - Square</td>
<td>1-3/4” x 5”</td>
<td>0.134” (3.4 mm)</td>
<td>Primed steel</td>
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<td>(38 mm x 127 mm)</td>
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<tr>
<td>336H</td>
<td>Door Edge Filler Plate - Beveled</td>
<td>1-1/2” x 5”</td>
<td>0.134” (3.4 mm)</td>
<td>Primed steel</td>
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<tr>
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<td>(38 mm x 127 mm)</td>
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<tr>
<td>336J</td>
<td>Flush Bolt Strike Filler Plate - Frame</td>
<td>15/16” x 2-1/4”</td>
<td>0.083” (2.1 mm)</td>
<td>Primed steel</td>
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<td>(24 mm x 57 mm)</td>
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<td>336K</td>
<td>Flush Bolt Filler Plate - Door</td>
<td>1” x 6-3/4”</td>
<td>0.134” (3.4 mm)</td>
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<td>(25 mm x 172 mm)</td>
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<tr>
<td>336L</td>
<td>Hinge Filler Plate - Frame</td>
<td>1-5/8” x 4-1/2”</td>
<td>0.134” (3.4 mm)</td>
<td>Primed steel</td>
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<td>(41 mm x 114 mm)</td>
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<tr>
<td>336M</td>
<td>Hinge Filler Plate - Beveled</td>
<td>1-1/2” x 4-1/2”</td>
<td>0.134” (3.4 mm)</td>
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<td></td>
<td></td>
<td>(38 mm x 114 mm)</td>
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</tbody>
</table>
FILLER PLATES

336M
Hinge Filler Plate - Frame
Size: 1-5/8” x 5”
(41 mm x 127 mm)
Thickness: 0.134” (3.4 mm)
Materials: Primed steel

337A
Template Hinge Shim
Size: 1-7/16” x 4-1/2”
(37 mm x 114 mm)
Thickness: 0.028” (0.7 mm)
Materials: Primed steel

336N
Latch Adapter Filler Plate - 86 to 161 Edge Prep
Size: 1-1/4” x 8”
(32 mm x 203 mm)
Thickness: 0.238” (6 mm)
Materials: Primed steel

337B
Template Hinge Shim
Size: 1-7/16” x 4-1/2”
(37 mm x 114 mm)
Thickness: 0.065” (1.7 mm)
Materials: Primed steel

336P
Deadlock Strike Filler Plate - Frame
Size: 1-1/8” x 2-3/4”
(29 mm x 70 mm)
Thickness: 0.083” (2.1 mm)
Materials: Primed steel

337C
Template Hinge Shim
Size: 1-7/16” x 5”
(37 mm x 127 mm)
Thickness: 0.028” (0.7 mm)
Materials: Primed steel

336Q
ASA Strike Filler Plate - Frame
Size: 1-1/4” x 4-7/8”
(32 mm x 124 mm)
Thickness: 0.093” (2.4 mm)
Materials: Primed steel

337D
Template Hinge Shim
Size: 1-7/16” x 5”
(37 mm x 127 mm)
Thickness: 0.065” (1.7 mm)
Materials: Primed steel

336R
Cylindrical Lock Strike Filler Plate - Frame
Size: 1-1/8” x 2-3/4”
(29 mm x 70 mm)
Thickness: 0.083” (2.1 mm)
Materials: Primed steel
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 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

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
       • Gold (B2) with black lettering
Notes: Signs are individually packed in a poly bag

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
**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)
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
SIGNAGE

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

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**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

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**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

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**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 1-5/8" (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

277F
Privacy Door Guard Bracket
Materials: • Cold rolled steel
Finish: • Primer gray
Fasteners: • Five (5) 12-24 FPH Self-tapping. (Balance of three (3) fasteners supplied with the 277D)
Notes: • For use with the decorative snap-on frames using Hager 277D Privacy Door Guard
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
MISCELLANEOUS

301D  
Residential Stop  
Certification: Meets ANSI A156.16 for L02223  
Materials: Wrought steel with rubber bumpers  
Finishes: 26D, 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  
Fastenings: 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
**310C**
**Conversion 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
- **Finishes:** US3, US10, US26D
- **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

1413
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

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
• 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:** 5/16” (8 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 1/2" TPHWS and one (1) #4 x 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

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**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

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**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:** 1-1/4" (32 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

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**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 (2) #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
**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