

Pulls, push bars and plates

When a door does not require latching hardware, door pulls, push bars, push and pull plates are often used. Ives offers various pulls, push bars, and push plates and protection plates to meet opening needs, no matter the door's design, size, type or location. Choose from architectural pulls, decorative pulls, hands-free pulls, long door pulls, vandal resistant trim, and more.



General information

ANSI/BHMA Certified

All Ives architectural pulls, push bars, decorative pulls, and long door pulls meet ANSI/BHMA 156.06.

ADA Compliant pulls (EZ)

All Ives ADA compliant pulls (reference local authority having jurisdiction) come with the EZ designation. These pulls all have a door to pull clearance of 2 1/2" or greater. All stainless steel EZ pulls come standard with 316 Series Stainless which make them highly recommended for all external applications.

Material

All architectural pulls, push bars and decorative pulls are made of heavy duty, solid bar stock or castings. All long door pulls are made from tubular stock. Available material substrates are below. See pull model detailed pages for material availability.

Stainless steel	304 Series
Stainless steel	316 Series (Standard for all EZ pulls, EZ push/pull combo, and long door pulls. Available on 9100 series push bars as well.)
Brass	-
Aluminum	6061-T6 Alloy

Care and maintenance for stainless steel finishes

Stainless steel requires periodic cleaning just as other materials do when in service. Stainless architectural building components, for instance, are subject to road salt spray at ground level and deposits from polluted urban air at higher levels. Finger marks, deposits from tobacco smoke, stains from hard water or food left on to dry all detract from the original attractive appearance of stainless steel applications.

Cleaning methods and the frequency with which there are employed vary considerably according to application. One of the outstanding features

of stainless steel is the ease with which its fine appearance can be maintained. In many instances, only periodic warm water wash is sufficient to restore the original shine. In other cases, cleansing with a strong sterilizing solution may be required more frequently. Between these extremes are a broad range of cleaning requirements and methods. In all cases, there are some important “do’s and don’t’s” that should be followed.

Do

- Wash regularly with warm water and mild soap detergent using a clean cloth or soft brush
- Remove stubborn grime using recommended cleaners and methods
- Always clean in the direction of the original polish lines
- Always rinse after cleaning and wipe dry

Don't

- Don't use ordinary steel wool or other metal scrapers to remove stubborn dirt
- Don't allow dirt to accumulate
- Don't allow protective coatings to remain on new building components; Remove all traces of adhesive as well as plaster, terrazzo, paint and other construction “splashes”
- Don't use harsh, untested cleaners

Heavy duty

All Ives architectural pulls, push bars and long door pulls come standard with heavy duty (HD) machining and mounting hardware to withstand high traffic and abuse applications which exceed industry standards. Many decorative pulls also come standard with heavy duty machining and hardware. Please see the list of pulls that come standard with heavy duty mounting hardware.

- Introduction
- Table of contents
- Hinges and pivots
- Pulls, push bars and plates
- Flush bolts, strikes and coordinators
- Latches, catches and bolts
- Door stops, holders and silencers
- Exterior hardware
- Miscellaneous hardware

Pulls, push bars and plates

Architectural, decorative, long door pulls, push bars and plates

General information

Architectual

Model	Heavy duty machining
8102HD	5/16-18
8103HD	3/8-16
8103EZHD	3/8-16
8122HD	3/8-16
8145EZHD	3/8-16
8190HD	3/8-16
8190EZHD	3/8-16
8322HD	3/8-16
9100HD	3/8-16
9103EZHD	3/8-16
9145EZHD	3/8-16
9190HD	3/8-16
9190EZHD	3/8-16

Decorative

Model	Heavy duty machining
8169	3/8-16
8181	3/8-16
8281	3/8-16
8189	3/8-16
8312	3/8-16
8320	3/8-16
8371	3/8-16
8372	5/16-18
8373	5/16-18
8700	5/16-18
8800	5/16-18
8848	3/8-16
8975	3/8-16

Long door pull

Model	Heavy duty machining
9264	3/8-16
9266	3/8-16

Pulls sizes - center to center

Pull sizes are determined by the center to center distance between the mounting locations. Ex. A 12" pull has 12" between the mounting locations. The overall pull length will be longer. See pull model detailed pages for specific size information. The table below shows standard available sizes for pulls.

5	5 1/4" (8111 and 8112 pulls only), 5 3/4" (8121)
6	6" (8102HD and 8105 only)
8	8" (8102HD, 8103HD, 8103EZHD, 8105, 8122HD, 8145EZHD, 8190HD, 8190EZHD, 8322HD only)
9	9" (8700 and 8800 only)
0	10" (8102HD, 8103HD, 8103EZHD, 8105, 8122HD, 8145EZHD, 8169, 8190HD, 8190EZHD, 8322HD only)
2	12" (8103HD, 8103EZHD, 8145EZHD, 8169, 8181, 8190HD, 8190EZHD, 8281, 8312, 8371, 8372, 8373, 8700, 8800, 8848, 8975 only)
16	16" (8181 and 8281 only)
18	18" (8103EZHD, 8145EZHD, 8181, 8190HD, 8190EZHD, 8281, 8371, 8372, 8373, 8700, 8800 only)
19	19 3/16" (8189 only)
20	20" (8320 only)
24	24" (8371, 8372, 8373, 8700, 8800 only)

Custom lengths are available as engineering special, consult customer service.

Finishes

BHMA	Description	Substrate	US
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickle	Brass or stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM ¹	Satin Chrome - Antimicrobial	Brass	US26D-AM
628	Satin Aluminium	Aluminium	US28
629	Buff Stainless	Stainless steel	US32D
629-316	Buff Stainless - 316 Substrate	Stainless steel -316	US32D-316
630	Satin Stainless Steel	Stainless steel	US32D
630-316	Satin Stainless - 316 Substrate	Stainless steel -316	US32D-316
630-AM ²	Satin Stainless - Antimicrobial	Stainless steel	US32D-AM
695	Dark Bronze Paint	Stainless steel	SP313/US10BE
-	Aged Bronze	Stainless steel	643e/716
-	Matte Black	Stainless steel	BLK

1. AM - Antimicrobial finish. The antimicrobial coating is specifically formulated to inhibit the growth of bacteria by interrupting cell multiplication. The result is that the silver ions surround bacterial cells, blocking food and slowing the growth of bacteria, mold and mildew. Product with antimicrobial finishes will maintain the products standard warranty for finishes. High traffic, public use areas are ideally suited to antimicrobial coated door hardware. With hundreds or thousands of people accessing these areas every day, safety should be top of mind. Adding door hardware with an antimicrobial coating can make a difference by inhibiting the growth of bacteria on these high-tough surfaces. Applications where antimicrobial coated hardware makes sense include: healthcare, education, government, food service and childcare restrooms.
2. Recommend using 630-AM Antimicrobial for highly corrosive environmental applications

Custom finishes are available as engineering special, consult customer service.

Door thickness

- All Ives architectural pulls, push bars, decorative pulls, and long door pulls come standard with mounting hardware for door thickness ranging from 1 1/2" to 1 3/4". Many pulls have optional mounting hardware for 2" and 2 1/4" thick doors or are available as separate part accessories. See detailed pull model pages for availability.
- Mounting hardware for other door thicknesses are available as engineering special, consult customer service.

Pulls, push bars and plates

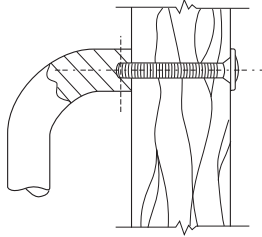
Architectural, decorative, long door pulls, push bars and plates

Mounting hardware

Mounting sizes

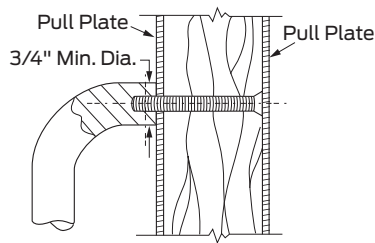
- All mounting hardware is for standard 1 3/4" door.
- Optional mounting hardware for 2" and 2 1/4" doors for many pulls. See pull detail for availability.
- Other mounting hardware sizes available as engineering special. Consult Customer Service.

Through bolt mounts



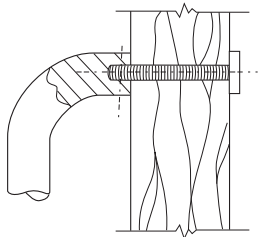
STD mount - Standard mount

- Through bolt mount with countersunk washers
- Hollow metal and wood door applications
- (2) 3/8-16 x 2 1/4" brass, flat head mounting screws, plated to match
- (2) 3/8-16 Countersunk washers, plated to match



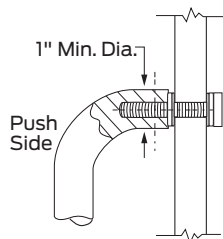
F mount - Countersunk holes

- Used with countersunk holes in doors
- Wood door applications
- (2) 2 1/4" steel Flat head mounting screws, plated to match



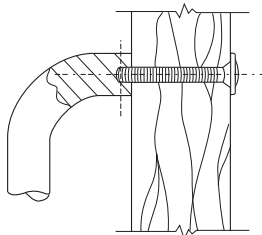
O mount - Decorative

- Decorative through bolt mount
- Hollow metal and wood door applications
- (2) 3/8-16 x 2 1/4" Decorative mounting bolts - machine screw, plated to match



Q mount - Decorative, glass doors

- Decorative through bolt mount
- Glass door applications
- (2) Decorative mounting bolts - machine screw, plated to match
- (2) Metal and vinyl washers



X mount - Security

- Security through bolt mount with countersunk washers
- Hollow metal and wood door applications
- (2) Flat head security pin in socket mounting screws, plated to match
- (2) Countersunk washers, plated to match

Pulls, push bars and plates

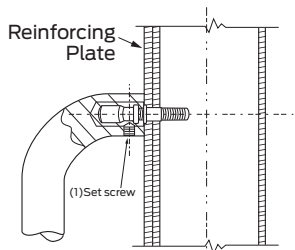
Architectural, decorative, long door pulls, push bars and plates

Mounting hardware

Mounting sizes

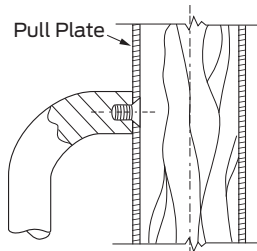
- All mounting hardware is for standard 1³/₄" door.
- Optional mounting hardware for 2" and 2¹/₄" doors for many pulls. See pull detail for availability.
- Other mounting hardware sizes available as engineering special. Consult Customer Service.

Concealed mounts



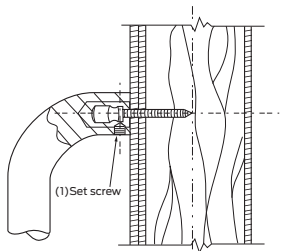
A mount - Aluminum doors

- Concealed mount
- Aluminum door applications
- (2) Mounting bolts - machine screw
- (2) Set screws
- Designed to be used with rivet nuts (not supplied)



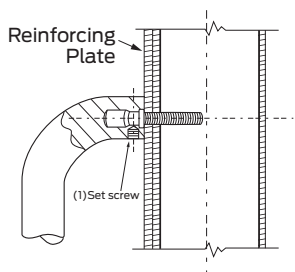
G mount - Pull plate

- Concealed mount with pull plate
- Hollow metal and wood door applications
- Pull mounts directly onto plate, Plate is attached to door
- (2) 3/8-16 x 5/8" steel Flat head mounting screws



I mount - Wood doors

- Concealed mount
- Wood door applications
- (2) Mounting bolts - wood screw
- (2) Set screws



L mount - Hollow metal doors

- Concealed mount
- Hollow metal door applications
- (2) Mounting bolts - machine screw
- (2) Set screws

Pulls, push bars and plates

Architectural, decorative, long door pulls, push bars and plates

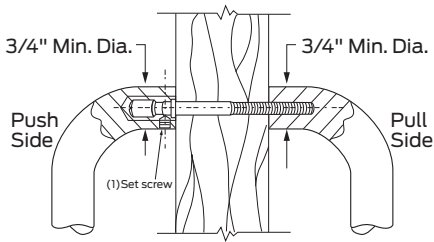
Mounting hardware

Mounting sizes

- All mounting hardware is for standard 1 3/4" door
- Optional mounting hardware for 2" and 2 1/4" doors for many pulls (see pull detail for availability)
- Other mounting hardware sizes available as engineering special (consult Customer Service)

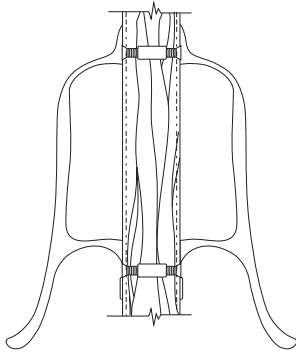
Back to back pull mounts

Specify the below back to back mounting options to receive a pair of the model specified (2).



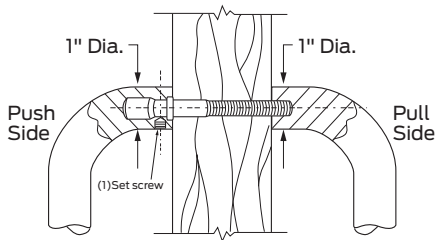
J mount - 8102 Pull only

- Back to back mounting - 5/16-18 hardware
- Hollow metal and wood door applications
- (2) Mounting bolts - machine screw
- (2) Set screws



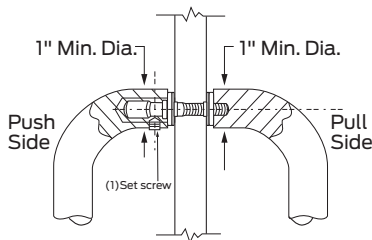
K mount - 8121 Pull only

- Back to back mounting - 8-32 hardware
- Hollow metal and wood door applications
- (8) Machine screws
- (4) Mounting sleeves



N mount

- Back to back mounting - 3/8-16 hardware
- Hollow metal and wood door applications
- (2) Mounting bolts - machine screw
- (2) Set screws



P mount - Glass doors

- Back to back mounting - 3/8-16 hardware
- Glass door applications
- (2) Mounting bolts - machine screw
- (2) Set screws
- (2) Metal and vinyl washers

Pulls, push bars and plates

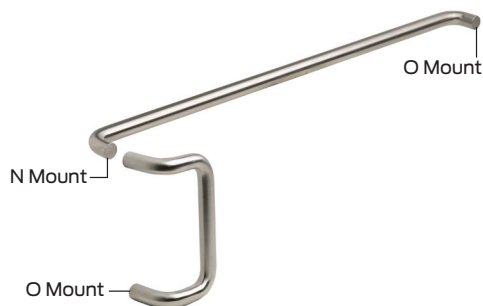
Architectural, decorative, long door pulls, push bars and plates

Mounting hardware

Mounting sizes

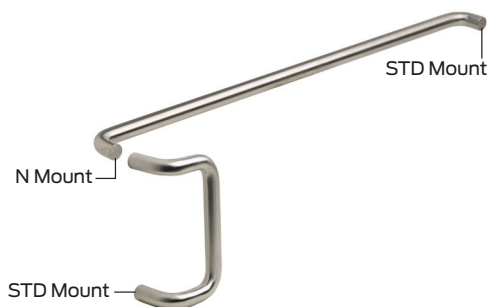
- All mounting hardware is for standard 1³/₄" door
- Optional mounting hardware for 2" and 2¹/₄" doors for many pulls (see pull detail for availability)
- Other mounting hardware sizes available as engineering special (consult Customer Service)

Push/pull combo mounts



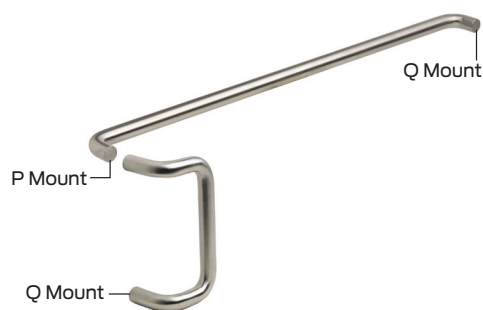
NO Mount - Decorative

- Back to back mounting - 3/8-16 hardware (N) and Decorative through bolt (O)
 - Hollow metal and wood door applications
- Pushbar to pull
 - (1) Mounting bolt - machine screw
 - (1) Set screw
- Free end pushbar and pull
 - (2) Decorative mounting bolts - machine screw, plated to match



NS Mount - Standard

- Back to back mounting - 3/8-16 hardware (N) and Standard through bolt
- Hollow metal and wood door applications
- Pushbar to Pull
 - (1) Mounting bolt - machine screw
 - (1) Set screw
- Free end pushbar and pull
 - (2) Flat head mounting screws, plated to match
 - (2) Countersunk washers, plated to match



PQ Mount - Decorative, glass doors

- Back to back mounting - 3/8-16 hardware (P) and Decorative through bolt (Q)
 - Glass door applications
- Pushbar to pull
 - (1) Mounting bolt - machine screw
 - (1) Set screw
 - (1) Metal and vinyl washers
- Free end pushbar and pull
 - (2) Decorative mounting bolts - machine screw, plated to match
 - (2) Metal and vinyl washers

Pulls, push bars and plates

Architectural, decorative, long door pulls, push bars and plates

How to order

Architectural pulls and push bars

Single/pair	Model	Center to center	Finish	Mounting hardware	Door thickness					
1	2	3	4	5	6					
PR	-	8190EZHD	-	8	-	US32D	-	N	-	1 3/4"

Detail

1 Single/pair

"Blank"	Single pull machined with standard threads
PR	Pair of pulls - One pull machined with standard threads and one pull machined for back to back mounting
Jsgl	Single pull machined for back to back mounting (8102 only)
Nsgl	Single pull machined for back to back mounting
Psgl	Single pull machined for back to back mounting (glass doors)

2 Model

8102HD	Straight pull - 3/4" round
8103HD	Straight pull - 1" round
8103EZHD	Straight pull - 1" round, ADA compliant
8105	Straight pull - 1" Flattened
8145EZHD	45° Offset pull - 1" round, ADA compliant
8190HD	90° Offset pull - 1" round
8190EZHD	90° Offset pull - 1" round, ADA compliant
8111	Straight pull
8112	Straight pull - surface mount
8121	Straight pull - surface mount
8122HD	Hands-free reversible arm pull, ADA compliant
8169	Offset Tubular pull
8181	Offset Georgian pull
8189	Straight Athens pull
8281	Straight Georgian pull
8312	Offset Plymouth pull
8320	Offset Plymouth pull
8322HD	Hands-free reversible arm pull with plate, ADA compliant
8371	Straight Addison pull
8372	Straight Camelot pull
8373	Straight Brookshire pull
8376	Straight Brookshire pull
8700	Straight Greenwich pull
8800	Offset Greenwich pull
8848	Straight pull
8975	Straight Rhodes pull

3 Center to center

5	5 1/4" (8111), 5 5/8" (8112), 5 3/4" (8121)
6	6" (8102HD and 8105 only)
8	8" (8102HD, 8103HD, 8103EZHD, 8105, 8122HD, 8145EZHD, 8190HD, 8190EZHD, 8322HD only)
9	9" (8700 and 8800 Only)
0	10" (8102HD, 8103HD, 8103EZHD, 8105, 8122HD, 8145EZHD, 8169, 8190HD, 8190EZHD, 8322HD only)
2	12" (8103HD, 8103EZHD, 8145EZHD, 8169, 8181, 8190HD, 8190EZHD, 8281, 8312, 8371, 8372, 8373, 8700, 8800, 8848, 8975 only)
16	16" (8181 and 8281 only)
18	18" (8103EZHD, 8145EZHD, 8181, 8190HD, 8190EZHD, 8281, 8371, 8372, 8373, 8700, 8800 only)
19	19" (8189 only)
20	20" (8320 only)
24	24" (8371, 8372, 8373, 8700, 8800 only)

4 Finish

BHMA	Description	Finish
605	Bright Brass	US3
606	Satin Brass	US4
612	Satin Bronze	US10
613	Oil Rubbed Bronze	US10B
619	Satin Nickel	US15
625	Bright Chrome	US26
626	Satin Chrome	US26D
626-AM	Satin Chrome-Antimicrobial	US26D-AM
628	Satin Aluminum, Clear Anodized	US28
629	Bright Stainless	US32
629-316	Bright Stainless - 316 substrate	US32-316
630	Satin Stainless	US32D
630-316	Satin Stainless - 316 substrate	US32D-316
630-AM	Satin Stainless-Antimicrobial	US32D-AM
643e/716	Aged Bronze	-
695	Dark Bronze Painted	SP313/US10BE
BLK	Matte Black	-

5 Mounting hardware

STD	Through bolt with decorative washer
A	Concealed mount - aluminum doors
F	Through bolt with countersunk hole
G	Concealed mount with pull plates
I	Concealed mount - wood doors
J	Back to back mount
K	Back to back mount (8121 only)
L	Concealed mount - hollow metal doors
N	Back to back mount
O	Decorative through bolt
P	Back to back mount - glass doors
Q	Decorative through bolt - glass doors
X	Through bolt - security screw and decorative washer

6 Door thickness

1 3/4"	Standard
2"	Optional
2 1/4"	Optional

Pulls, push bars and plates

Architectural, decorative, long door pulls, push bars and plates

How to order

Long door pulls

Single/pair	Model	Length	Center to center	Finish	Mounting hardware	Door thickness
1	2	3	4	5	6	7
PR	- 9264F	- 72	- 56	- US32D	- P	- 1/2"

Detail

1 Single/pair

"Blank"	Single pull machined with standard threads
PR	Pair of pulls - One pull machined with standard threads and one pull machined for back to back mounting
Nsgl	Single pull machined for back to back mounting
Qsgl	Single pull machined for back to back mounting (glass doors)

2 Model

9264	Offset long door pull, rounded tips
9264F	Offset long door pull, flat tips
9266	Straight long door pull, rounded tips
9266F	Straight long door pull, flat tips

3 Length

12	12"
18	18"
24	24"
36	36"
72	72"

4 Center to center

8	8"
12	12"
18	18"
20	20"
56	56"

5 Finish

BHMA	Description	Finish
605	Bright Brass	US3
606	Satin Brass	US4
613	Oil Rubbed Bronze	US10B
619	Satin Nickel	US15
629-316	Bright Stainless - 316 substrate	US32-316
630-316	Satin Stainless - 316 substrate	US32D-316
643e/716	Aged Bronze	-
695	Dark Bronze Painted	SP313/US10BE
BLK	Matte Black	-

6 Mounting hardware

STD	Through bolt with decorative washer
A	Concealed mount - aluminum doors
I	Concealed mount - wood doors
L	Concealed mount - hollow metal doors
N	Back to back mount
O	Decorative through bolt
P	Back to back mount - glass doors
Q	Decorative through bolt - glass doors
X	Through bolt - security screw and decorative washer
MB	Additional mounting bracket (centered)

7 Door thickness

1 3/4"	Standard
2"	Optional
2 1/4"	Optional

Pulls, push bars and plates

Architectural, decorative, long door pulls, push bars and plates

How to order

Push, pull and protection plates

Single/pair	Model	Center to center	Finish	Plate W x H	Mounting hardware	Door thickness						
1	2	3	4	5	6	7						
PR	-	8303	-	8	-	US32D	-	4 x 16	-	N	-	1 3/4"

Detail

1 Single/pair

"Blank"	Single pull machined with standard threads
PR	Pair of pulls - One pull machined with standard threads and one pull machined for back to back mounting
Nsgl	Single pull machined for back to back mounting

2 Model

8200	Push plate
8300	Pull plate (less pull)
8302	Pull plate (with 8102 pull)
8303	Pull plate (with 8103 pull)
8305	Pull plate (with 8105 pull)
8311	Pull plate (with 8111 pull)

4 Pull to center

5	5 1/4" (8111 only)
6	6" (8102HD and 8105 only)
8	8" (8102HD, 8103HD, 8105 only)
0	10" (8102HD, 8103HD, 8105 only)
2	12" (8103HD only)

5 Finish

BHMA	Description	Finish
605	Bright Brass	US3
606	Satin Brass	US4
612	Satin Bronze	US10
613	Oil Rubbed Bronze	US10B
619	Satin Nickel	US15
625	Bright Chrome	US26
626	Satin Chrome	US26D
626-AM	Satin Chrome - Antimicrobial	US260-AM
628	Satin Aluminum, Clear Anodized	US28
629	Bright Stainless	US32D
630	Satin Stainless	US32D
630-AM	Satin Stainless - Antimicrobial	US32D-AM
643e/716	Aged Bronze	-
695	Dark Bronze Powder Coat	SP313/US10BE
BLK	Matte Black	-

3 Length

3X12	3" wide x 12" high
3.5X15	3 1/2" wide x 15" high
4X16	4" wide x 16" high
6X16	6" wide x 16" high
8X16	8" wide x 16" high

6 Mounting hardware

STD	Through bolt with decorative washer
A	Concealed mount - aluminum doors
F	Through bolt with countersunk hole
G	Concealed mount with pull plates
I	Concealed mount - wood doors
J	Back to back mount (8102 only)
L	Concealed mount - hollow metal doors
N	Back to back mount

7 Door thickness

1 3/4"	Standard
2"	Optional
2 1/4"	Optional

Pulls, push bars and plates

Architectural pulls and push bars

8102HD

Solid door pull - 3/4" round

Specifications

Available sizes	6", 8", 10"
Material substrate	Made from solid aluminum (6061-T6 Alloy), brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ ⁵/₁₆-18 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified – Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers (STD - mount) ▪ Optional mounting hardware available (see general information section for details) F, G, I, J, L ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8102HD-6	2 1/4"	1 1/2"	6"	6 3/4"
8102HD-8	2 1/4"	1 1/2"	8"	8 3/4"
8102HD-10	2 1/4"	1 1/2"	10"	10 3/4"

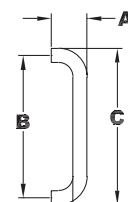
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless Steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629	Bright Stainless	Stainless steel	US32
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Jsgl
- Custom lengths are available as engineering special, consult customer service



8103HD

Solid door pull - 1" round

Specifications

Available sizes	8", 10", 12"
Material substrate	Made from solid aluminum (6061-T6 Alloy), brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 3/16"-18 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> - Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified - Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers (STD - mount) ▪ Optional mounting hardware available (see general information section for details) A, F, G, I, L, N, O, P, Q, X ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8103HD-8	2 1/2"	1 1/2"	8"	9"
8103HD-0	2 1/2"	1 1/2"	10"	11"
8103HD-2	2 1/2"	1 1/2"	12"	13"

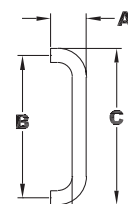
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless Steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629	Bright Stainless	Stainless steel	US32
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



1"
ROUND

Pulls, push bars and plates

Architectural pulls and push bars

8103EZHD

Solid door pull - 1" round, large 2 1/2" clearance for the accessibility applications

Specifications

Available sizes	8", 10", 12"
Material substrate	<ul style="list-style-type: none"> Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series) 316 Series stainless steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards 3/8-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Optional package available for 2" and 2 1/4" thick doors. Comes standard with through bolt screws and decorative washers (STD - mount) Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	<ul style="list-style-type: none"> Meets ANSI/BHMA 156.06 Complies with ADA and barrier free applications

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8103EZHD-8	3 1/2"	2 1/2"	8"	9"
8103EZHD-0	3 1/2"	2 1/2"	10"	11"
8103EZHD-2	3 1/2"	2 1/2"	12"	13"

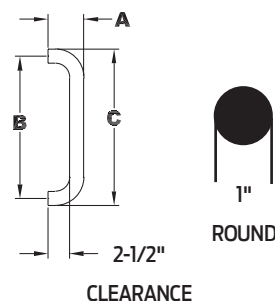
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless Steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



8105

Solid door pull - 1" flattened

Specifications

Available sizes	8", 10", 12"
Material substrate	Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ 1/4"-20 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> - Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified - Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers (STD - mount) ▪ Optional mounting hardware available (see general information section for details) F ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8105-6	2"	1 1/2"	6"	6 1/2"
8105-8	2"	1 1/2"	8"	8 1/2"
8105-0	2"	1 1/2"	10"	10 1/2"

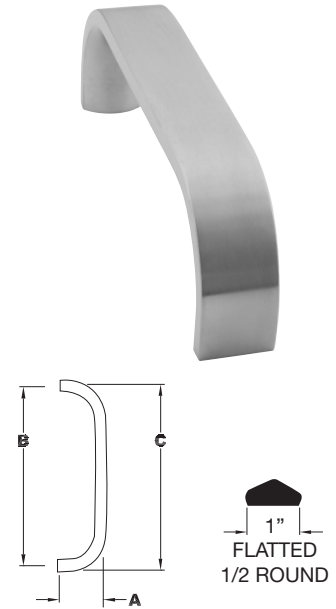
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629	Bright Stainless	Stainless steel	US32
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

Custom lengths are available as engineering special, consult customer service.



Pulls, push bars and plates

Architectural pulls and push bars

8145EZHD

45° Offset solid door pull



Specifications

Available sizes	8", 10", 12", 18"
Material substrate	<ul style="list-style-type: none"> Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series) 316 Series stainless steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards $\frac{3}{8}$-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 $\frac{1}{2}$" to 1 $\frac{3}{4}$" unless otherwise specified Optional package available for 2" and 2 $\frac{1}{4}$" thick doors Comes standard with through bolt screws and decorative washers (STD - mount) Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	<ul style="list-style-type: none"> Meets ANSI/BHMA 156.06 Complies with ADA and barrier free applications

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"	Offset "D"
8145EZHD-8	3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	8"	9"	2 $\frac{1}{2}$ "
8145EZHD-0	3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	10"	11"	2 $\frac{1}{2}$ "
8145EZHD-2	3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	12"	13"	2 $\frac{1}{2}$ "
8145EZHD-18	3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	18"	19"	2 $\frac{1}{2}$ "

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service

8190HD

90° Offset solid door pull

Specifications

Available sizes	8", 10", 12", 18"
Material substrate	Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 3/8-16 mounting hardware ▪ Specify door thickness. <ul style="list-style-type: none"> - Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified - Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers (STD - mount) ▪ Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"	Offset "D"
8190HD-8	3 1/4"	2 1/4"	8"	9"	4 1/4"
8190HD-0	3 1/4"	2 1/4"	10"	11"	4 1/4"
8190HD-2	3 1/4"	2 1/4"	12"	13"	4 1/4"
8190HD-18	3 1/4"	2 1/4"	18"	19"	4 1/4"

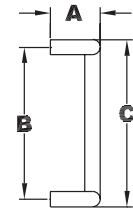
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629	Bright Stainless	Stainless steel	US32
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Architectural pulls and push bars

8190EZHD

90° Offset solid door pull

Specifications

Available sizes	8", 10", 12", 18"
Material substrate	<ul style="list-style-type: none"> Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series) 316 Series stainless steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards $\frac{3}{8}$-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of $1\frac{1}{2}$" to $1\frac{3}{4}$" unless otherwise specified Optional package available for 2" and $2\frac{1}{4}$" thick doors Comes standard with through bolt screws and decorative washers (STD - mount) Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	<ul style="list-style-type: none"> Meets ANSI/BHMA 156.06 Complies with ADA and barrier free applications

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"	Offset "D"
8190EZHD-8	3 1/2"	2 1/2"	8"	9"	4 1/4"
8190EZHD-0	3 1/2"	2 1/2"	10"	11"	4 1/4"
8190EZHD-2	3 1/2"	2 1/2"	12"	13"	4 1/4"
8190EZHD-18	3 1/2"	2 1/2"	18"	19"	4 1/4"

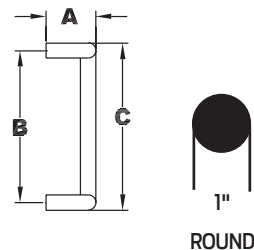
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



9100HD

Solid push bar



Specifications

Available sizes	<ul style="list-style-type: none"> Available in standard lengths of 28" and 33" Also available in whole 1" increments from 25" to 45" Other lengths available as engineering special, consult customer service
Material substrate	<ul style="list-style-type: none"> Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (304 or 316 Series) 316 Series Stainless Steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards ³/₈-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Optional package available for 2" and 2 1/4" thick doors Comes standard with type NS mounting Optional mounting hardware available (see general information section for details) A, F, I, L, N, NO, STD, O, P, PQ, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Projection "A"	Clearance	Center to center "B"	Overall length "C"
2 1/2"	1 1/2"	25-45"	Add 1" to CTC length

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629	Bright Stainless	Stainless steel	US32
629-316	Bright Stainless	Stainless steel	32-316
630	Satin Stainless	Stainless steel	US32D
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of push bars for back to back mounting
- For one back to back machined push bar, specify Nsgl or Psgl (glass doors)
- Specify STD, A, F, I L, O or Q when planning to mount push bar alone
- Specify NS, NO, or PQ when using as a part of a push pull combination

Caution

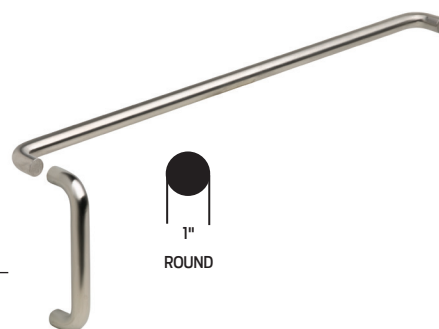
The length of push bar should not interfere with the door jamb or cause a pinch point.

Pulls, push bars and plates

Architectural pulls and push bars

9103EZHD

Solid straight pull/push bar combo (8103EZHD pull + 9100HD push)



Specifications

Available sizes	<ul style="list-style-type: none"> Available in standard lengths of 28" and 33" Also available in whole 1" increments from 25" to 45" Other lengths available as engineering special, consult customer service
Material substrate	<ul style="list-style-type: none"> Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series) 316 Series stainless steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards $\frac{3}{8}$-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 $\frac{1}{2}$" to 1 $\frac{3}{4}$" unless otherwise specified Optional package available for 2" and 2 $\frac{1}{4}$" thick doors Comes standard with type NS mounting Optional mounting hardware available (see general information section for details) NO, PQ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	<ul style="list-style-type: none"> Meets ANSI/BHMA 156.06 Pull side complies with ADA and barrier free applications

Dimensions

Product number	CTC push	CTC pull	Projection push and pull
9103EZHD	25 to 45"	8"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "
9103EZHD	25 to 45"	10"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "
9103EZHD	25 to 45"	12"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

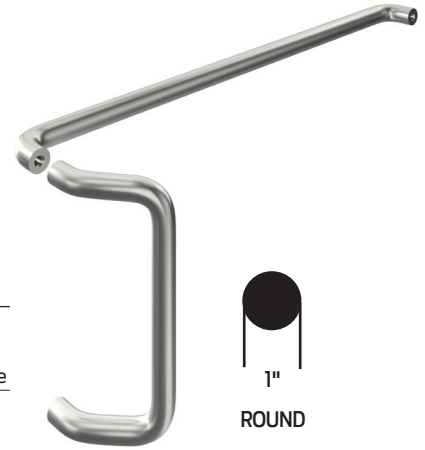
Caution

The length of push bar should not interfere with the door jamb or cause a pinch point.

Pulls, push bars and plates
Architectural pulls and push bars

9145EZHD

45° Offset pull/push bar combo
(8145HD pull + 9100HD push)



Specifications

Available sizes	<ul style="list-style-type: none"> Available in standard lengths of 28" and 33" Also available in whole 1" increments from 25" to 45" Other lengths available as engineering special, consult customer service
Material substrate	<ul style="list-style-type: none"> Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series) 316 Series stainless steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards 3/8"-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Optional package available for 2" and 2 1/4" thick doors Comes standard with type NS mounting. Optional mounting hardware available (see general information section for details) NO, PQ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	<ul style="list-style-type: none"> Meets ANSI/BHMA 156.06 Pull side complies with ADA and barrier free applications

Dimensions

Product number	CTC push	CTC pull	Projection push and pull
9145EZHD	25 to 45"	8"	2 1/2" and 3 1/2"
9145EZHD	25 to 45"	10"	2 1/2" and 3 1/2"
9145EZHD	25 to 45"	12"	2 1/2" and 3 1/2"
9145EZHD	25 to 45"	18"	2 1/2" and 3 1/2"

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Caution

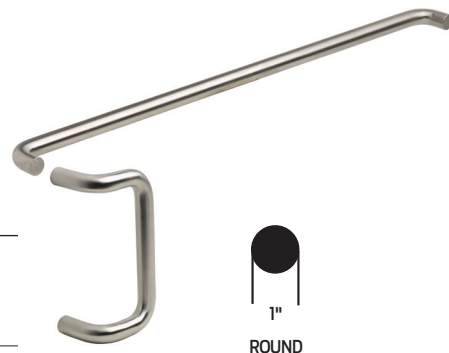
The length of push bar should not interfere with the door jamb or cause a pinch point.

Pulls, push bars and plates

Architectural pulls and push bars

9190HD

Solid 90° offset pull/push bar combo (8190HD pull + 9100HD push)



Specifications

Available sizes	<ul style="list-style-type: none"> Available in standard lengths of 28" and 33" Also available in whole 1" increments from 25" to 45" Other lengths available as engineering special, consult customer service
Material substrate	Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards $\frac{3}{8}$-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 $\frac{1}{2}$" to 1 $\frac{3}{4}$" unless otherwise specified Optional package available for 2" and 2 $\frac{1}{4}$" thick doors Comes Standard with type NS mounting. Optional mounting hardware available (see general information section for details) NO, PQ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	CTC push	CTC pull	Projection push and pull
9190EZHD	25 to 45"	8"	2 $\frac{1}{2}$ " and 3 $\frac{1}{4}$ "
9190EZHD	25 to 45"	10"	2 $\frac{1}{2}$ " and 3 $\frac{1}{4}$ "
9190EZHD	25 to 45"	12"	2 $\frac{1}{2}$ " and 3 $\frac{1}{4}$ "
9190EZHD	25 to 45"	18"	2 $\frac{1}{2}$ " and 3 $\frac{1}{4}$ "

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629	Bright Stainless	Stainless steel	US32
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Caution

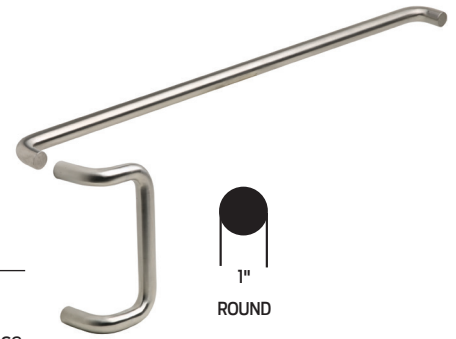
The length of push bar should not interfere with the door jamb or cause a pinch point.

Pulls, push bars and plates

Decorative pulls

9190EZHD

Solid 90° offset pull/push bar combo (8190EZHD pull + 9100HD push)



Specifications

Available sizes	<ul style="list-style-type: none">Available in standard lengths of 28" and 33"Also available in whole 1" increments from 25" to 45"Other lengths available as engineering special, consult customer service
Material substrate	<ul style="list-style-type: none">Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (316 Series)316 Series stainless steel standard, exceeding industry standards for corrosion resistanceRecommended for external applications
Mounting hardware	<ul style="list-style-type: none">Heavy duty mounting hardware exceeds industry standards$\frac{3}{8}$-16 mounting hardwareSpecify door thickness<ul style="list-style-type: none">Standard mounting hardware for door thickness of 1 $\frac{1}{2}$" to 1 $\frac{3}{4}$" unless otherwise specifiedOptional package available for 2" and 2 $\frac{1}{4}$" thick doorsComes standard with type NS mounting.Optional mounting hardware available (see general information section for details) NO, PQMounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	<ul style="list-style-type: none">Meets ANSI/BHMA 156.06Pull side complies with ADA and barrier free applications

Dimensions

Product number	CTC push	CTC pull	Projection push and pull
9190EZHD	25 to 45"	8"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "
9190EZHD	25 to 45"	10"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "
9190EZHD	25 to 45"	12"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "
9190EZHD	25 to 45"	18"	2 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Caution

The length of push bar should not interfere with the door jamb or cause a pinch point.

Pulls, push bars and plates

Decorative pulls

8111-5

Solid door pull

Specifications

Available sizes	5 1/4"
Material substrate	Made from solid aluminum (6061-T6 Alloy), brass, or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> 1/4"-20 mounting hardware Specify door thickness Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Optional package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers. Optional mounting hardware available (see general information section for details) F, G Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

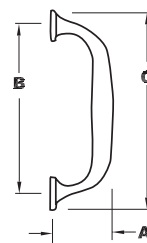
Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8111-5	1 3/16"	1 3/16"	5 1/4"	6 1/4"

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Satin Aluminum, Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.



8112-5

Solid door pull

Specifications

Available sizes	5 1/4"
Material substrate	Made from brass
Mounting hardware	<ul style="list-style-type: none"> 8 x 1" wood screws Surface mount only
Certifications	Meets ANSI/BHMA 156.06

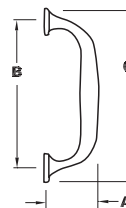
Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8112-5	2 13/16"	1 7/16"	5 5/8"	7 1/2"

Finishes

BHMA	Description	Substrate	Finish
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM

Note: For other colors, consult factory.



Pulls, push bars and plates

Decorative pulls

8121

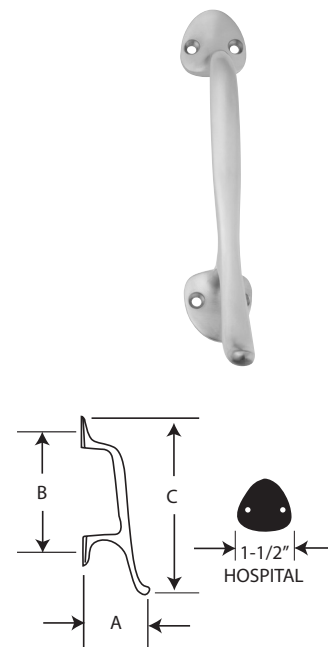
Solid door pull

Specifications

Available sizes	5 3/4"
Material substrate	Made solid brass
Mounting hardware	<ul style="list-style-type: none"> 8-32 x 1" machine screw and #8 x 1" wood screw Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Supplied standard with K mounting hardware; optional mounting hardware available (see general information section for details) Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8121-5	3 1/2"	1 7/16"	5 3/4"	8 3/4"



8169

C style (tubular series) offset solid door pull

Specifications

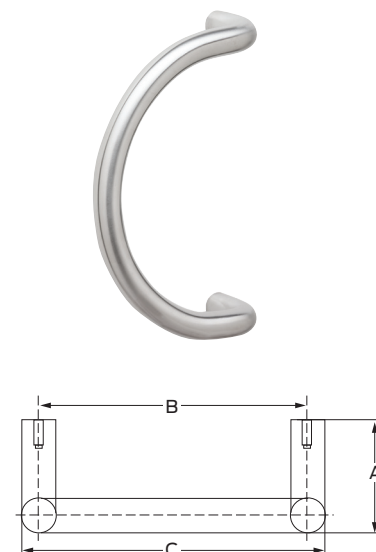
Available sizes	10", 12"; 1" Diameter pull bar
Material substrate	Made from brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards 3/8-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Accessory package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers. Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset	Center to center "B"	Overall length "C"
8169-0	3"	2"	6 1/2"	10	11
8169-2	3"	2"	6 1/2"	12	13

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



8121 and 8169 finishes

BHMA	Description	Substrate	Finish
605	Bright brass	Brass	US3
613	Oil rubbed bronze	Brass	US10B
619	Satin nickel	Brass	US15
625	Bright chrome	Brass	US26
626*	Satin chrome	Brass	US26D
626-AM*	Satin Chrome Antimicrobial	Brass	US26D-AM
630	Satin stainless	Stainless steel	US32D
631	Matte black	Stainless steel	BLK

Note: For other colors, consult factory.
*8121 only available in these finishes.

Pulls, push bars and plates

Decorative pulls

8181

Georgian 90° offset solid door pull

Specifications

Available sizes	12", 16", 18"; 1" Round pull (grip area 1 1/4")
Material substrate	Made from solid aluminum, brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 3/8-16 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified – Accessory package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers. ▪ Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset "D"	Center to center "B"	Overall length "C"
8181-2	3 1/8"	1 7/8"	4"	12"	12 3/4"
8181-16	3 1/8"	1 7/8"	4"	16"	16 3/4"
8181-18	3 1/8"	1 7/8"	4"	18"	18 3/4"

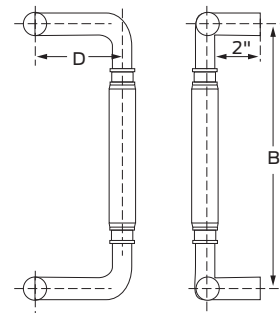
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
628	Satin Aluminum, Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8189

Athens offset tubular door pull

Specifications

Available sizes	19 ³ / ₁₆ " ; 1 ¹ / ₄ " Diameter pull bar with 1 ¹ / ₄ " diameter mounting posts
Material substrate	Made from brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 3/8-16 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 ¹/₂" to 1 ³/₄" unless otherwise specified – Accessory package available for 2" and 2 ¹/₄" thick doors ▪ Comes standard with through bolt screws and decorative washers. ▪ Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset "D"	Center to center "B"	Overall length "C"
8181-19	2 ⁵ / ₈ "	1 ³ / ₈ "	1 ¹ / ₂ "	19 ¹³ / ₁₆ "	29 ¹ / ₂ "

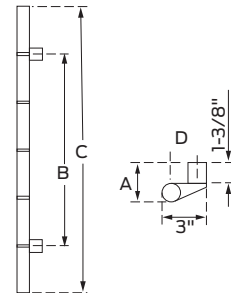
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8281

Georgian straight solid door pull

Specifications

Available sizes	12", 16", 18"; 1" Round pull (grip area 1 1/4")
Material substrate	Made from solid aluminum, brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 3/8-16 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified – Accessory package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers. ▪ Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset "D"	Center to center "B"	Overall length "C"
8281-2	3 1/8"	1 7/8"	4"	12"	12 3/4"
8281-16	3 1/8"	1 7/8"	4"	16"	16 3/4"
8281-18	3 1/8"	1 7/8"	4"	18"	18 3/4"

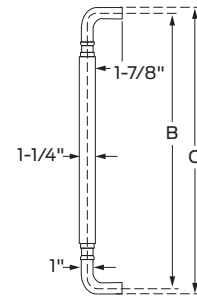
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
628	Satin Aluminum, Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Qsgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8312

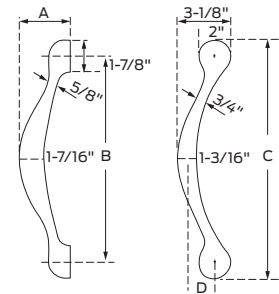
Plymouth offset solid door pull

Specifications

Available sizes	12"; 1 7/16" Max grip diameter
Material substrate	Made from brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards 3/8-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Accessory package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset "D"	Center to center "B"	Overall length "C"
8312-2	3"	1 9/16"	1 1/2"	12"	14"



8320

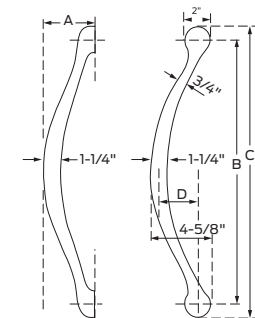
Plymouth offset solid door pull

Specifications

Available sizes	12"; 1 7/16" Max grip diameter
Material substrate	Made from brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards 3/8-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Accessory package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset "D"	Center to center "B"	Overall length "C"
8320-20	3 7/8"	2 5/8"	2 7/8"	20"	22"



Additional information (8312 and 8320 models)

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Qsgl (glass doors)
- Custom lengths are available as engineering special, consult customer service

8312 and 8320 Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Pulls, push bars and plates

Decorative pulls

8371

Addison flat tip straight solid door pull

Specifications

Available sizes	12", 18", 24"; 1" Round pull with 1 1/4" base mounting posts
Material substrate	Made from solid brass
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 3/8"-16" mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified – Accessory package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers ▪ Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8371-2	3 7/16"	2"	12"	16"
8371-18	3 7/16"	2"	18"	22"
8371-24	3 7/16"	2"	24"	28"

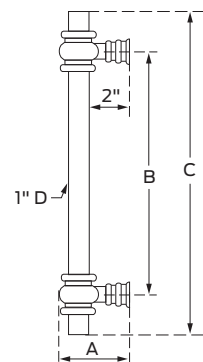
Finishes

BHMA	Description	Substrate	Finish
605	Bright brass	Brass	US3
613	Oil rubbed bronze	Brass	US10B
619	Satin nickel	Brass	US15
622	Matte black	Brass	BLK
625	Bright chrome	Brass	US26
626	Satin chrome	Brass	US26D

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8372

Camelot steeple tip straight tubular door pull

Specifications

Available sizes	12", 18", 24"; 1" Round pull with 2" base mounting posts
Material substrate	Made from brass
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards $\frac{5}{16}$-18 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of $1\frac{1}{2}$" to $1\frac{3}{4}$" unless otherwise specified Accessory package available for 2" and $2\frac{1}{4}$" thick doors Comes standard with through bolt screws and decorative washers. Optional mounting hardware available (see general information section for details) F, I, J, L, O, P Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8372-2	$2\frac{7}{8}$ "	$1\frac{7}{8}$ "	12"	17"
8372-18	$2\frac{7}{8}$ "	$1\frac{7}{8}$ "	18"	23"
8372-24	$2\frac{7}{8}$ "	$1\frac{7}{8}$ "	24"	29"

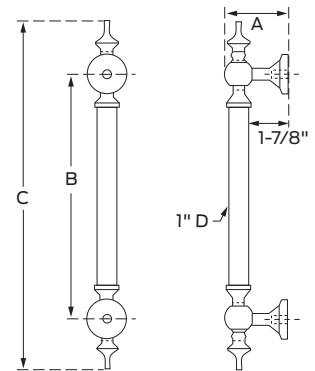
Finishes

BHMA	Description	Substrate	Finish
605	Bright brass	Brass	US3
613	Oil rubbed bronze	Brass	US10B
619	Satin nickel	Brass	US15
622	Matte black	Brass	BLK
625	Bright chrome	Brass	US26
626	Satin chrome	Brass	US26D

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Jsgl
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8373

Brookshire acorn tip straight tubular door pull

Specifications

Available sizes	12", 18", 24"; 1" Round pull with 2" base mounting posts
Material substrate	Made from brass
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards $\frac{5}{16}$-18 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of $1\frac{1}{2}$" to $1\frac{3}{4}$" unless otherwise specified Accessory package available for 2" and $2\frac{1}{4}$" thick doors Comes standard with through bolt screws and decorative washers. Optional mounting hardware available (see general information section for details) F, I, J, L, O, P Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8372-2	3"	$1\frac{7}{8}$ "	12"	$16\frac{5}{16}$ "
8372-18	3"	$1\frac{7}{8}$ "	18"	$22\frac{5}{16}$ "
8372-24	3"	$1\frac{7}{8}$ "	24"	$28\frac{5}{16}$ "

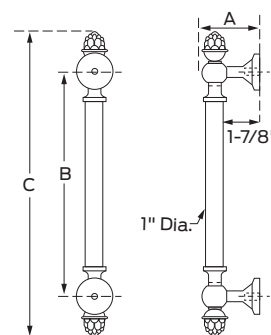
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
622	Matte Black	Brass	BLK
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Jsgl
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8700

Greenwich arc straight solid door pull

Specifications

Available sizes	9", 12", 18", 24"; 3/4" Round pull
Material substrate	Made from solid brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> 5/16-18 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Accessory package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers Optional mounting hardware available (see general information section for details) F, I, J, L, O, P Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8700-9	2 3/8"	1 5/8"	9"	12 9/16"
8700-2	2 3/8"	1 5/8"	12"	15 9/16"
8700-18	2 3/8"	1 5/8"	18"	21 9/16"
8700-24	2 3/8"	1 5/8"	24"	27 9/16"

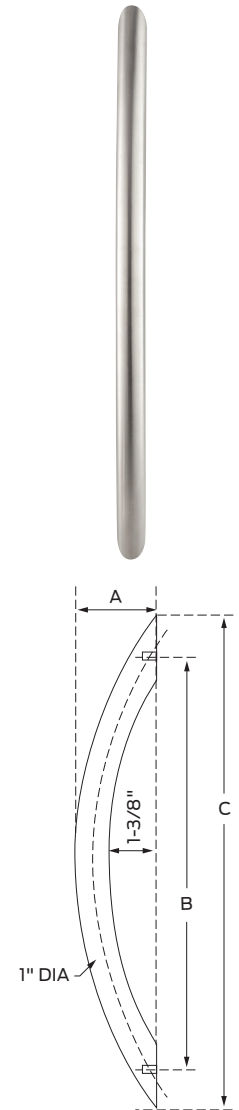
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Jsgl
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8800

Greenwich arc offset solid door pull

Specifications

Available sizes	9", 12", 18", 24"; 3/4" Round pull
Material substrate	Made from solid brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ 1/4"-20 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified – Accessory package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers ▪ Optional mounting hardware available (see general information section for details) F, I, J, L, O, P ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Offset "D"	Center to center "B"	Overall length "C"
8800-9	2 1/8"	1 3/8"	1"	9"	11 3/4"
8800-2	2 1/8"	1 3/8"	1"	12"	14 3/4"
8800-18	2 1/8"	1 3/8"	1"	18"	20 3/4"
8800-24	2 1/8"	1 3/8"	1"	24"	26 3/4"

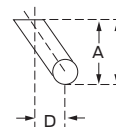
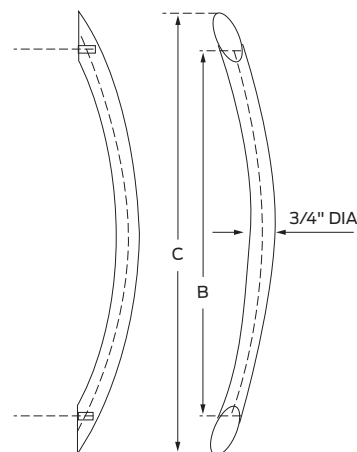
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Jsgl
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Decorative pulls

8848

Latitude straight solid door pull

Specifications

Available sizes	12"; 1" Round pull with 2" Round black mounting posts
Material substrate	Made from solid brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none">▪ Heavy duty mounting hardware exceeds industry standards▪ $\frac{3}{8}$-16 mounting hardware▪ Specify door thickness<ul style="list-style-type: none">– Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified– Accessory package available for 2" and 2 1/4" thick doors▪ Comes standard with through bolt screws and decorative washers▪ Optional mounting hardware available (see general information section for details) A, F, I, L, N, O, P, Q, X▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8848-2	2 1/2"	1 1/2"	12"	17"

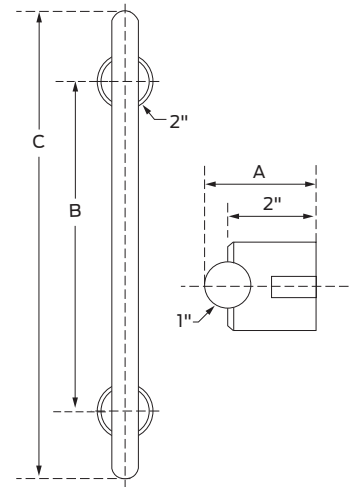
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Stainless steel	BLK

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Nsgl or Psgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Introduction
Table of contents
Hinges and pivots
Pulls, push bars and plates
Flush bolts, strikes and coordinators
Latches, catches and bolts
Door stops, holders and silencers
Exterior hardware
Miscellaneous hardware

Pulls, push bars and plates

Long door pulls

8975

Rhodes straight solid door pull

Specifications

Available sizes	12"; 1 1/4" x 1/2" Flat pull with 3/4" round mounting posts
Material substrate	Made from solid aluminum, brass or stainless steel (304 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ 5/16"-18 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> - Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified - Accessory package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers ▪ Optional mounting hardware available (see general information section for details) F, I, J, L, O, P ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Dimensions

Product number	Projection "A"	Clearance	Center to center "B"	Overall length "C"
8975-2	2 1/4"	1 3/4"	12"	18"

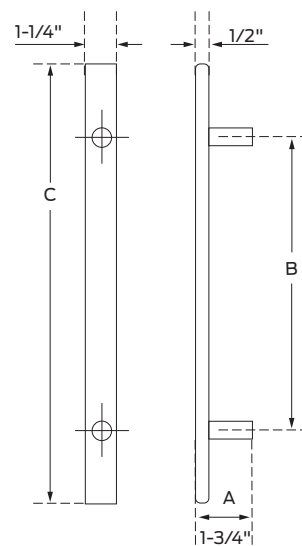
Finishes

BHMA	Description	Substrate	Finish
628	Satin Aluminum, Clear Anodized	Aluminum	US28

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- For one back to back machined pull, specify Jsgl (glass doors)
- Custom lengths are available as engineering special, consult customer service



Pulls, push bars and plates

Long door pulls

9264 / 9266

Long door pull, rounded tip (offset and straight models)

Specifications

Available sizes	<ul style="list-style-type: none"> 1 1/4" Diameter tubular bar Round tip is standard Optional flat Tip (F) is available; specify F after model number when ordering Available in whole 1" increments from 12" to 96" Other lengths available as engineering special, consult customer service
Material substrate	<ul style="list-style-type: none"> Made from brass or stainless steel (316 Series) 316 Series Stainless Steel standard, exceeding industry standards for corrosion resistance Recommended for external applications
Mounting hardware	<ul style="list-style-type: none"> Heavy duty mounting hardware exceeds industry standards 3/8-16 mounting hardware Specify door thickness <ul style="list-style-type: none"> Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified Optional package available for 2" and 2 1/4" thick doors Comes standard with through bolt screws and decorative washers Optional mounting hardware available (see general information section for details) A, I, L, N, O, P, Q, X Mounting hardware for other door thicknesses are available as engineering special, consult customer service
Certifications	Meets ANSI/BHMA 156.06

Standard lengths

Product number	Projection	Clearance	Offset	Overall length	CTC
9264-72-56	2 3/4"	1 1/2"	1 5/8"	72"	56"
9264-36-20	2 3/4"	1 1/2"	1 5/8"	36"	20"
9264-24-18	2 3/4"	1 1/2"	1 5/8"	24"	18"
9264-18-12	2 3/4"	1 1/2"	1 5/8"	18"	12"
9264-12-8	2 3/4"	1 1/2"	1 5/8"	12"	8"
9266-72-56	2 3/4"	1 1/2"	—	72"	56"
9266-36-20	2 3/4"	1 1/2"	—	36"	20"
9266-24-18	2 3/4"	1 1/2"	—	24"	18"
9266-18-12	2 3/4"	1 1/2"	—	18"	12"
9266-12-8	2 3/4"	1 1/2"	—	12"	8"

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Stainless steel	US15
629-316	Bright Stainless	Stainless steel	32-316
630-316	Satin Stainless	Stainless steel	32D-316
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716*	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

* Max length for 643e/716 is 36".

Additional information

- If not specified, standard center to center length for pulls 36" or longer is 16" less than total pull length (8" from each end of the pull); Center to center length must be specified for lengths less than 36"
 - Ex. 72" Long pull has a 56" center to center
- If the center to center length is less than half the total pull length, consult customer service
- Specify PR when ordering a set of push bars for back to back mounting
- For one back to back machined push bar, specify Nsgl or Psgl (glass doors)
- Additional mounting post required for lengths greater than 96"; Mid posts are optional for other lengths (specify mid post location when ordering)

Caution

Recommend the length of the ladder pull should not exceed 4" less than the door height.



9266 Straight long door pull



9264 Offset bracket



Round tip (standard)



Flat tip (F option)

Note: A middle position bracket is required for pulls over 8 feet.

Pulls, push bars and plates

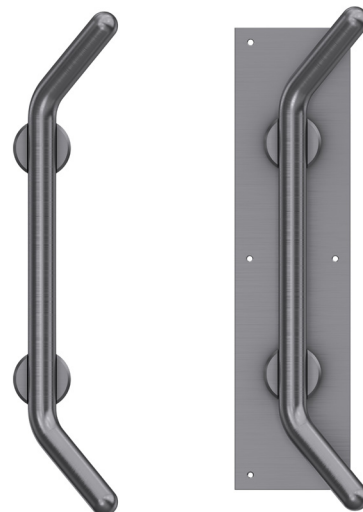
Hands-free door pulls

8122HD / 8322HD

Hands-free reversible arm pull (models with and without plate)

Ives hands-free door pulls allow for hands-free operation to promote a healthy environment. Ives offers pulls in a variety of styles and designs that enable pedestrians to operate the door with an arm, elbow or wrist to avoid contacting surfaces with their hands.

- Durable construction with rust-free brass for longevity
- Cost effective option is budget friendly
- Easily retrofittable for existing openings
- Aesthetically pleasing designs to suite with building style
- 1" Round pull with 2" round mounting posts
- Patented, rounded design enables safe and comfortable hands-free use
- Flexibility to open with forearm or wrist at top of bottom of pull
- Reversible design allows for flexible install toward hinge or latch side
- 8322HD available with 4 x 16" or 6 x 16" pull plate
- Available in 8" or 10" center to center



Specifications

Material substrate	Brass
Certifications	<ul style="list-style-type: none"> ▪ UL10C listed for 3-hours - F, I, L mounted pull only ▪ ADA Compliant design
Size	<ul style="list-style-type: none"> ▪ 8" Pull: 17 1/2" (H) x 3 5/8" (W) x 4" (D) ▪ 10" Pull: 19 1/2" (H) x 3 5/8" (W) x 4" (D)
Mounting	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ Optional mounting hardware available (see general information section for details) A, F, I, L, O

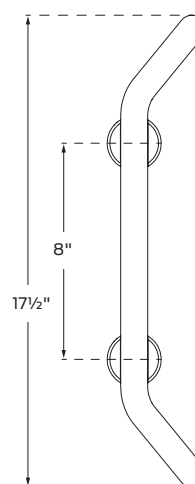
Standard lengths

Product	Projection	Clearance	CTC	Overall length
8 CTC	4"	1 1/2"	8"	17 1/2"
10 CTC	4"	1 1/2"	10"	19 1/2"

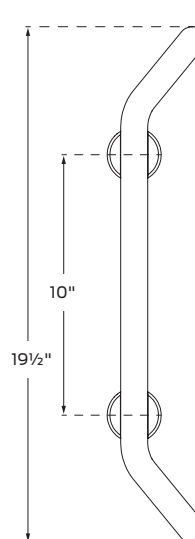
Finishes

BHMA	Description	Substrate	Finish
622	Matte Black	Brass	US19
626	Satin Chrome	Brass	US26D
695	Dark Bronze Powder Coat	Brass	SP313/US10BE

8 CTC



10 CTC



Pulls, push bars and plates

Hands-free door pulls

FP100

Hands-free foot pull

- Sanitary foot opening
- Use alongside current pull for hands-free needs

Specifications

Material substrate	Rugged 1/8" thick stainless steel
Size	5" wide, 2 3/4" height, 3 1/8" projection
Mounting	Through bolts provided for secure mounting and durability

Finishes

BHMA	Description	Substrate	Finish
630	Satin Stainless Steel	Stainless steel	US32D
631	Black Painted	Stainless steel	BLK
695	Dark Bronze Painted	Stainless steel	SP313/US10BE



AP101

Hands-free arm pull

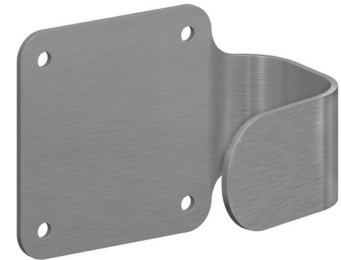
- Easy forearm opening
- Use alongside current pull for hands-free needs

Specifications

Material substrate	Rugged 1/8" thick stainless steel
Size	4" wide, 5 1/8" height, 3 7/8" projection
Mounting	Through bolts provided for secure mounting and durability

Finishes

BHMA	Description	Substrate	Finish
630	Satin Stainless Steel	Stainless steel	US32D
631	Black Painted	Stainless steel	BLK
695	Dark Bronze Painted	Stainless steel	SP313/US10BE



OTP300 / OT300

Opening hand tool (plastic and steel models)

- For hands-free use with door pulls or levers

Specifications

Material substrate	<ul style="list-style-type: none">▪ OTP300 is a durable black plastic tool offered in packs of 10▪ OT300 is study 1/8" stainless steel with smooth tumbled edges
Size	2" width, 5" height

Finishes

BHMA	Description	Substrate	Finish
630	Satin Stainless Steel	Stainless steel	US32D
631	Black Painted	Stainless steel	BLK



Pulls, push bars and plates

Push, pull and protection plates

8200 / 8300

Push / pull plate

- 8200 Push plate
- 8300 Pull plate, prep for pull (less pull)

Specifications

Available sizes	Plates are available in .050 thick brass, stainless steel or aluminum
Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Standard mounting package <ul style="list-style-type: none"> – #6 x $\frac{5}{8}$ Oval head screws ▪ Optional TEK/TORX package <ul style="list-style-type: none"> – #6 x $\frac{5}{8}$ Self-drilling, self-tapping screws – #6 x $\frac{5}{8} \frac{5}{8}$ Torx screws
Widths and heights	<ul style="list-style-type: none"> ▪ 3" x 12" ▪ 3 $\frac{1}{2}$" x 15" ▪ 4" x 16" ▪ 6" x 16" ▪ 8" x 16"
Optional pull center to center spacing	<ul style="list-style-type: none"> ▪ For 8300 pull plates, plates are prepped with 2 $\frac{3}{8}$" holes for pull machining ▪ For holes prepped for G mounting hardware, consult customer service <ul style="list-style-type: none"> – 5 $\frac{1}{4}$" – 6" – 8" – 10" – 12"
Certifications	Meets ANSI/BHMA A156.6 for J301 materials

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of plates for back to back mounting
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service

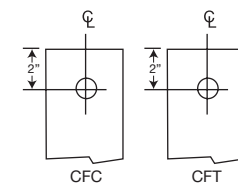
Plates cut for cylinder or thumbturns

Plates are available with cutout for cylinder or thumbturn; standard cutout is 2" from top and centered on plates up to 4" wide. For plates wider than 4" cutout is located 2" from outer edge, specify LH or RH. When pull location interferes with standard cutout location a detail drawing should be furnished with the order.

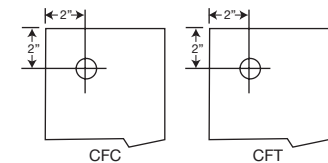
- Standard cutout is 1 $\frac{1}{4}$ " for cylinder and $\frac{3}{8}$ " for thumbturn.
- Specify CFC for cutout for cylinder or CFT for cutout for thumbturn.



For plates up to 4"



For plates greater than 4" (RH shown)



8302

Pull plate

Specifications

Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ ⁵/₁₆-18 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> - Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified - Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers. ▪ Optional mounting hardware available (see general information section for details) F, G, I, J, L ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service ▪ Standard mounting package <ul style="list-style-type: none"> - #6 x ⁵/₈ Oval head screws ▪ Optional TEK/TORX package <ul style="list-style-type: none"> - #6 x ⁵/₈ Self-drilling, self-tapping screws - #6 x ⁵/₈ Torx screws
Widths and heights	<ul style="list-style-type: none"> ▪ 3 1/2" x 15" ▪ 4" x 16" ▪ 6" x 16"
Pull center to center spacing	<ul style="list-style-type: none"> ▪ 6" ▪ 8" ▪ 10"
Certifications	Meets ANSI/BHMA A156.06

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- Plate to pull clearance is 1 1/2"
- For one back to back machined pull, specify Jsgl
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service



3/4"
ROUND

Pulls, push bars and plates**Push, pull and protection plates**

8303

Pull plate**Specifications**

Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ Heavy duty mounting hardware exceeds industry standards ▪ $\frac{3}{8}$-16 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> – Standard mounting hardware for door thickness of 1 $\frac{1}{2}$" to 1 $\frac{3}{4}$" unless otherwise specified – Optional package available for 2" and 2 $\frac{1}{4}$" thick doors ▪ Comes standard with through bolt screws and decorative washers ▪ Optional mounting hardware available (see general information section for details) A, F, G, I, L, N ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service ▪ Standard mounting package for plate <ul style="list-style-type: none"> – #6 x $\frac{5}{8}$ Oval head screws ▪ Optional TEK/TORX package <ul style="list-style-type: none"> – #6 x $\frac{5}{8}$ Self-drilling, self-tapping screws – #6 x $\frac{5}{8}$ Torx screws
Widths and heights	<ul style="list-style-type: none"> ▪ 3 $\frac{1}{2}$" x 15" ▪ 4" x 16" ▪ 6" x 16"
Pull center to center spacing	<ul style="list-style-type: none"> ▪ 8" ▪ 10"
Certifications	Meets ANSI/BHMA A156.06

Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- Plate to pull clearance is 1 $\frac{1}{2}$ "
- For one back to back machined pull, specify Nsgl
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service



Pulls, push bars and plates
Push, pull and protection plates

8305

Pull plate

Specifications

Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ 1/4"-20 mounting hardware ▪ Specify door thickness <ul style="list-style-type: none"> - Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified - Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers. ▪ Optional mounting hardware available (see general information section for details) ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service. ▪ Standard mounting package for plate <ul style="list-style-type: none"> - #6 x 5/8" Oval head screws ▪ Optional TEK/TORX package <ul style="list-style-type: none"> - #6 x 5/8" Self-drilling, self-tapping screws - #6 x 5/8" Torx screws ▪ Plate prepped with 2 pull mounting holes spaced at 6", 8", or 10" center to center
Widths and heights	<ul style="list-style-type: none"> ▪ 3 1/2" x 15" ▪ 4" x 16" ▪ 6" x 16"
Pull center to center spacing	<ul style="list-style-type: none"> ▪ 6" ▪ 8" ▪ 10"
Certifications	Meets ANSI/BHMA A156.06

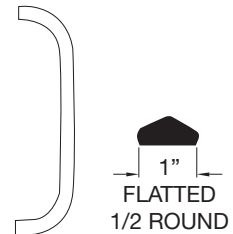
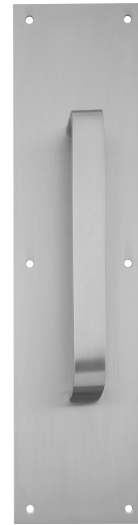
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

Note: For other colors, consult factory.

Additional information

- Plate to pull clearance is 1 1/2"
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service



Introduction
Table of contents
Hinges and pivots
Pulls, push bars and plates
Flush bolts, strikes and coordinators
Latches, catches and bolts
Door stops, holders and silencers
Exterior hardware
Miscellaneous hardware

Pulls, push bars and plates

Push, pull and protection plates

8311

Pull plate

Specifications

Material substrate	Made from aluminum, brass or stainless steel (300 Series)
Mounting hardware	<ul style="list-style-type: none"> ▪ 1/4"-20 mounting hardware ▪ Specify door thickness ▪ Standard mounting hardware for door thickness of 1 1/2" to 1 3/4" unless otherwise specified ▪ Optional package available for 2" and 2 1/4" thick doors ▪ Comes standard with through bolt screws and decorative washers. ▪ Optional mounting hardware available (see general information section for details) F, G ▪ Mounting hardware for other door thicknesses are available as engineering special, consult customer service ▪ Standard mounting package for plate <ul style="list-style-type: none"> – #6 x 5/8" Oval head screws ▪ Optional TEK/TORX package <ul style="list-style-type: none"> – #6 x 5/8" Self-drilling, self-tapping screws – #6 x 5/8 5/8" Torx screws ▪ Plate prepped with 2 pull mounting holes spaced at 5 1/4" center to center
Widths and heights	<ul style="list-style-type: none"> ▪ 3 1/2" x 15" ▪ 4" x 16" ▪ 6" x 16"
Pull center to center spacing	5 1/4"
Certifications	Meets ANSI/BHMA A156.06

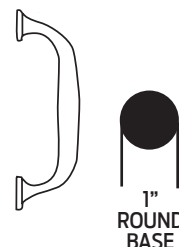
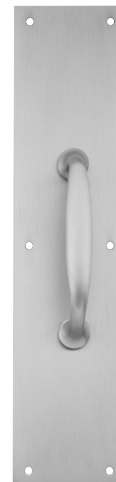
Finishes

BHMA	Description	Substrate	Finish
605	Bright Brass	Brass	US3
606	Satin Brass	Brass	US4
612	Satin Bronze	Brass	US10
613	Oil Rubbed Bronze	Brass	US10B
619	Satin Nickel	Brass	US15
625	Bright Chrome	Brass	US26
626	Satin Chrome	Brass	US26D
626-AM	Satin Chrome Antimicrobial	Brass	US26D-AM
628	Clear Anodized	Aluminum	US28
630	Satin Stainless	Stainless steel	US32D
630-AM	Satin Stainless Antimicrobial	Stainless steel	US32D-AM
631	Matte Black	Stainless steel	BLK
643e/716	Aged Bronze	Stainless steel	643e/716
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE

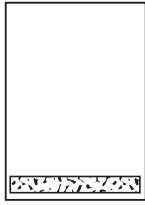
Note: For other colors, consult factory.

Additional information

- Specify PR when ordering a set of pulls for back to back mounting
- Custom widths, heights, and special cut-outs are available as engineering special, consult customer service



Types of protection plates



Mop plates

- Protect the bottom of the pull side of door subject to cleaning and mopping procedures.
- Size Ranges: 4" to 6" high, 22" to 48" wide



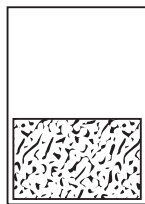
Kick plates

- Protect the bottom of the push side of doors subject to scuffing from foot traffic
- Recommended for all doors subject to normal use (especially doors using a closer)
- Size Ranges: 8" to 24" high, 22" to 48" wide



Stretcher plates

- Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment
- Usually applied to push side of doors
- Specify "B4E" Option for beveled edges
- Size Ranges: 6" to 8" high, 22" to 48" wide



Armor plates

- Protect lower half of doors from abuse by hard carts, trucks and rough usage.
- Usually applied to push side of single doors and both sides of double acting doors
- Size Ranges: 26" to 48" high, 22" to 48" wide

Pulls, push bars and plates

Push, pull and protection plates

8400 / 8402



Commercial protection plates (UL and non-UL models)

- All plates, metal and plastic, come standard with four beveled edges and countersunk mounting holes (B-CS)
- Protection plates must be ordered in 1/2" increments. Available in other sizes, consult customer service
- For 8402 UL Plates, UL mark appears in upper left corner. Not available on plastic protection plates (special cutouts are not allowed on UL kick plates)

Specifications

Material substrate	<ul style="list-style-type: none"> ▪ Available in .050" thick brass, stainless steel or aluminum; and 1/8" thick high impact polyethylene in clear or black ▪ Aluminum 5005 Series, brass C26800 Series, stainless steel 300 Series, plastic
Mounting hardware	<ul style="list-style-type: none"> ▪ Standard mounting package, 16 per pack <ul style="list-style-type: none"> – #6 x 5/8" Oval head screws ▪ Optional TEK/TORX package, specify TK-TX <ul style="list-style-type: none"> – #6 x 5/8" Self-drilling, self-tapping screws – #6 x 5/8" Torx screws
Certifications	<ul style="list-style-type: none"> ▪ Meets ANSI/BHMA A156.6 for J301 ▪ UL protection plates certified to UL10C

Number of screw packs required by plate size (specify TEK Screws or TORK screws)

	22"-25"	26"-33"	34"-41"	42"-48"
4"-8"	1	1	1	1
9"-16"	1	1	1	1
17"-24"	1	1	1	2
25"-32"	1	1	2	2
33"-40"	1	2	2	2
41"-48"	2	2	2	2

Options

- Specify B-NH for no mounting holes (Not available on 8402. Available only with US32D, US32, US3, US4, US28, CLR, P-BLK only)
- Specify B-NHA for no mounting holes with adhesive
- Specify ERS prepped with extra row of screws
- Special Cut-outs are available as engineering special, consult customer service

Finishes

BHMA	Description	Substrate	Finish	Max sizes
605	Bright Brass	Brass	US3	24" x 48"
606	Satin Brass	Brass	US4	24" x 48"
612	Satin Bronze	Brass	US10	24" x 48"
613	Oil Rubbed Bronze	Brass	US10B	36"X48"
619	Satin Nickel	Stainless	US15	24" x 48"
625	Bright Chrome	Stainless	US26	36"X48"
626	Satin Chrome	Stainless	US26D	48" x 48"
628	Satin Aluminium	Aluminium	US28	48" x 48"
629	Bright Stainless Steel	Stainless steel	US32	48" x 48"
630	Satin Stainless Steel	Stainless steel	US32D	48" x 48"
654	Satin Stainless Steel	Stainless steel	US32D	48" x 48"
695	Dark Bronze Powder Coat	Stainless steel	SP313/US10BE	24" x 48"
BLK	Matte Black	Stainless steel	BLK	24" x 48"
P-BLK	Black	Plastic	P-BLK	48" x 48"
CLR	Clear	Plastic	CLR	48" x 48"

Custom finishes are available as engineering special, consult customer service

Available accessories

- Gasket tape kit tape is recommended when using a brass plate on a metal door to reduce tarnishing from electrolytic oxidation
- One tape pack will cover an the perimeters of a 8" x 34" kickplate (rder 8401 gasket tape)