

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

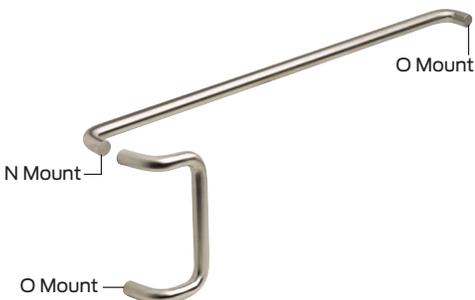
Architectural, decorative, long door pulls, push bars and plates

# Mounting hardware

### Mounting sizes

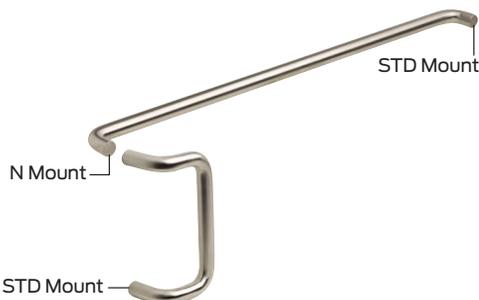
- All mounting hardware is for standard 1<sup>3</sup>/<sub>4</sub>" door
- Optional mounting hardware for 2" and 2<sup>1</sup>/<sub>4</sub>" doors for many pulls (see pull detail for availability)
- Other mounting hardware sizes available as engineering special (consult Customer Service)

### 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) Flathead 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