



9190HD Solid 90° Offset pull/push bar combo (8190HD pull + 9100HD push)

- 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.

Certifications

- Meets ANSI A156.06

Mounting

- Heavy duty mounting hardware exceeds industry standards
- 3/8-16 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 thru-bolt screws and decorative washers.
- Optional mounting hardware available (see general information section for details)
- NO, NS, PQ
- Mounting hardware for other door thicknesses are available as engineering special, consult customer service.

Product number	CTC Push	CTC Pull	Projection push & pull
9190EZHD	25 to 45"	8"	2-1/2" & 3-1/2"
9190EZHD	25 to 45"	10"	2-1/2" & 3-1/2"
9190EZHD	25 to 45"	12"	2-1/2" & 3-1/2"
9190EZHD	25 to 45"	18"	2-1/2" & 3-1/2"

Finishes

- Available in Aluminum, Brass, and Stainless Steel substrates. See general information section for specific BHMA finish code, finish description, US finish code, and substrate information.
- Standard finishes available;
605, 606, 612, 613, 619, 625, 626, 626-AM, 628, 629, 630, 630-AM, 643e/716, BLK
- Custom finishes are available as engineering special, consult customer service.

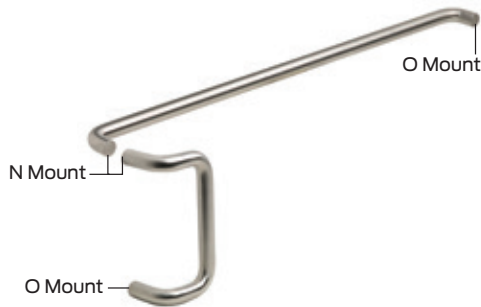
Caution

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

Mounting

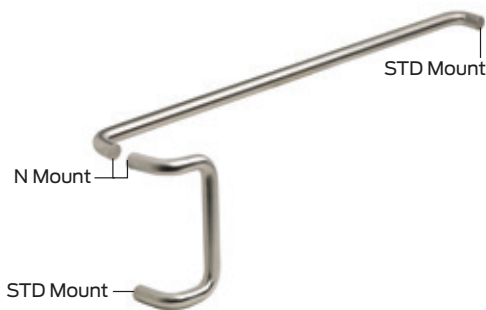
- All mounting hardware is for standard 1-3/4" door.
- Optional mounting hardware for 2" and 2-1/4" doors for many pulls. See pull detail for availability.
- Other mounting hardware sizes available as engineering special. Consult Customer Service.

Push/Pull combo mounts



NO Mount - Decorative

- Back to back mounting - 3/8-16 hardware (N) & Decorative thru-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) & Standard thru-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) & Decorative thru-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