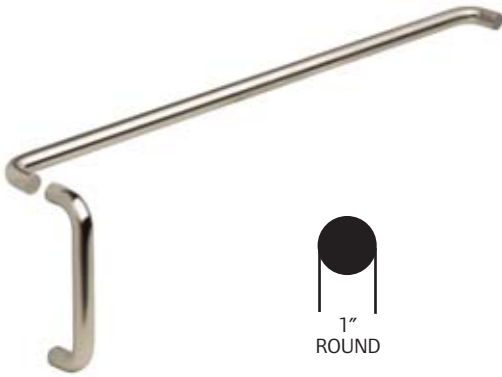


9103EZ Straight Pull/Pushbar Combo (8103EZ Pull + 9100 Push)

Available mounting – NO or NS see page B17



Product No.	CTC Push	CTC Pull	Projection Push & Pull
9103EZ	28", 33"	8"	2-1/2" & 3-1/2"
9103EZ	28", 33"	10"	2-1/2" & 3-1/2"
9103EZ	28", 33"	12"	2-1/2" & 3-1/2"

Special lengths available, consult factory

Finishes brass

US Number	US3	US4	US10	US10B	US15	US26	US26D*
BHMA	605	606	612	613	619	625	626

Finishes stainless steel

US Number	US32	US32D*
BHMA	629	630

* Available with Antimicrobial Coating, use suffix AM

9190 Offset Pull/Pushbar Combo (8190 pull + 9100 push)

Available mounting – NO or NS see page B17



Product No.	CTC Push	CTC Pull	Projection Push & Pull
9190	28", 33"	8"	2-1/2" & 3-1/4"
9190	28", 33"	10"	2-1/2" & 3-1/4"
9190	28", 33"	12"	2-1/2" & 3-1/4"
9190	28", 33"	18"	2-1/2" & 3-1/4"

Special lengths available, consult factory

Finishes brass

US Number	US3	US4	US10	US10B	US15	US26	US26D*
BHMA	605	606	612	613	619	625	626

Finishes stainless steel

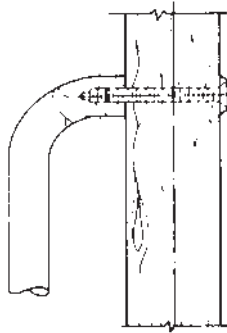
US Number	US32	US32D*
BHMA	629	630

* Available with Antimicrobial Coating, use suffix AM

Mounting

- All mounting hardware is for standard 1-3/4" door.
- Consult Customer Service if other than standard.

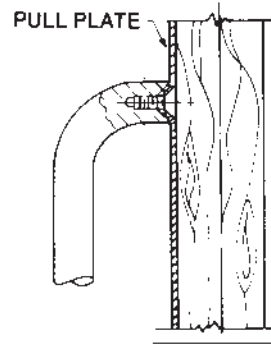
Standard Mount



Standard Mounting

- (2) 1/4-20 x 2-1/4" brass, oval head machine screws; plated to match.
- (2) No. 14 countersunk washers; plated to match

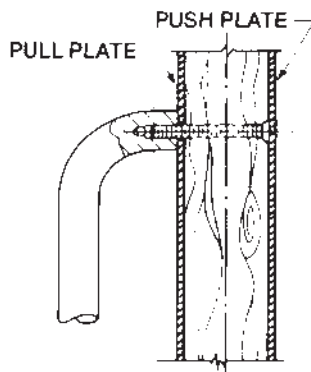
Type G Mount



Concealed Pull Plate Mounting

- Available only for 8302, 8303, 8311 Pull Plates.
- (2) 1/4-20 x 5/8" steel flat head machine screws; zinc plated.
- Pull mounts directly onto plate.
- Plate is attached to door by 6 screws.

Type F Mount

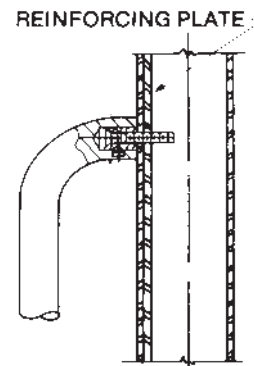


Wood Doors Concealed Pull Mounting With Push Plate

- (2) 1/4-20 x 2-1/4" steel flat head machine screws; zinc plated.

Available only for 8102, 8103, 8105, 8111, 8302, 8303, 8305 and 8311. Plate on opposite side of door must be ordered separately.

Type H-I-L Mount



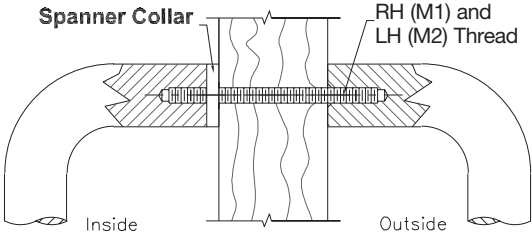
Reinforced Hollow Metal Door Concealed Pull Mounting

- Available only for 8102 8103, 8103EZ or wood door Pulls and 8302, 8303 pull plates.
- (2) Steel screw sleeves; zinc plated.
 - (2) 1/4-20 x 1-1/4" steel countersunk trim head machine screw; zinc plated for reinforced metal door.
 - (2) 1/4 x 1-1/2" steel countersunk trim head steel metal screw; zinc plated for wood doors.

Mounting for 8103EZ, 8190, 9100, 9103EZ and 9190

- All mounting hardware is for standard 1-3/4" door.
- Consult Customer Service if other than standard.

Type M Mount



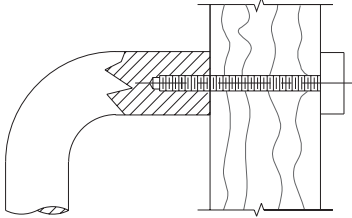
Back-to-Back with Spanner Collar

Wood or Metal Door

Available only for 8103EZ and 8190 Pulls.

- (2) 3/8-16 x 2-7/8" RH/LH bolts with finish matching spanner collars for tight, durable back-to-back mounting. Pulls furnished in pairs (PR) or Single (SGL) must specify M1 or RH thread or M2 for LH thread.

Type O Mount



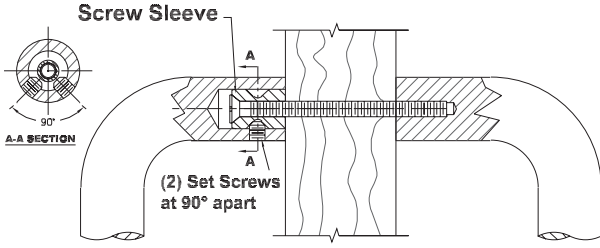
Decorative Blind Thru - Bolt

Wood or Metal Door

Available only for 8103EZ, 8190 and 9100 series Push/Pull Combinations.

- (2) 1/4-20 x 2-1/4" blind thru - bolts; plated to match.

Type N Mount



Back-to-Back "Two-Anchor"

Wood or Metal Door

Available only for 8103EZ, 8190 and 9100 series Push/Pull Combinations.

- (2) 1/4-20 x 2-3/4" steel countersunk trim head machine screws with (4) set screws for maximum anchoring force.
- (2) Steel screw sleeves; zinc plated.

Type NO Push/Pull Mounting

Type N & Type O

Pushbar to Pull

- (1) 1/4-20 X 3" steel countersunk trim head machine screws with (2) set screws.
- (1) steel screw sleeve, zinc plated.

Free End Pushbar & Pull

- (2) 1/4-20 X 2-1/4" blind thru-bolts; plated to match.

Type NS-Standard Push/Pull Mounting

Type N & Standard

Pushbar to Pull

- (1) 1/4-20 X 3" steel countersunk trim head machine screws with (2) set screws.
- (1) steel screw sleeve, zinc plated.

Free End Pushbar & Pull

- (2) 1/4-20 X 2-1/4" brass, oval head mach screws; plated to match.
- (2) No. 14 countersunk washers; plated to match.

A
Hinges & Pivots

B17
Pulls & Plates

C
Flush Bolts & Coordinators

D
Latches, Catches & Bolts

E
Stops

F
Exterior Hardware

G
Miscellaneous Hardware