

Mounting Types

PULL STYLE	PULL ON ONE SIDE OF DOOR						PULL ON BOTH SIDES OF DOOR (BTB)			
MOUNTING STYLE	Thru Bolt	Deco Thru Bolt		Concealed			Conehead/Set Screw		Spanner Collar	
DOOR TYPE	Wood/Metal		Glass	Metal	Metal	Wood	Wood/Metal	Glass	Wood/Metal	Glass
CONEHEADS	NA	NA	NA	Single	Single	Single	Single	Single	NA	NA
MOUNTING TYPE	Type 1	Type 12	Type 15	Type 6	Type 6R	Type 8	Type 5	Type 13	Type 11	Type 14
Standard (STD) Bolt Size	1/4"-20	1/4"-20	1/4"-20	1/4"-20	1/4"-20	1/4"-20	1/4"-20	1/4"-20		
Heavy Duty (HD) Bolt Size	5/16"-18	5/16"-18	5/16"-18	5/16"-18	5/16"-18	5/16"-18	5/16"-18	5/16"-18		
Extra Heavy Duty (XHD) Bolt Size	3/8"-16	3/8"-16	3/8"-16						3/8"-16	3/8"-16

Straight Pulls

Pull Type	Dia.	MAXIMUM BOLT SIZE ALLOWED						MAXIMUM BOLT SIZE ALLOWED			
		Type 1	Type 12	Type 15	Type 6	Type 6R	Type 8	Type 5	Type 13	Type 11	Type 14
Straight	1/2"	STD	STD	STD			STD		STD	STD	STD
Straight	5/8"	HD	HD	HD	HD		HD	HD	HD	HD	HD
Straight	1"	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD
Straight	1 1/4"	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD
Straight	1 1/2"	HD	HD	HD	HD	HD	HD	HD	HD	HD	HD

Offset Pulls

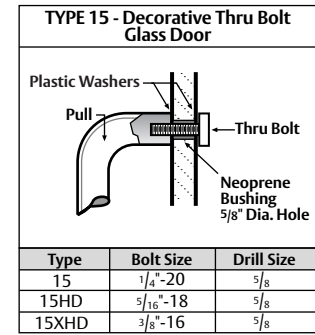
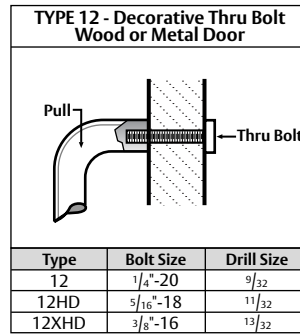
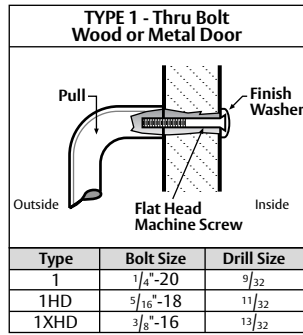
Pull Type	Dia.	MAXIMUM BOLT SIZE ALLOWED						MAXIMUM BOLT SIZE ALLOWED			
		Type 1	Type 12	Type 15	Type 6	Type 6R	Type 8	Type 5	Type 13	Type 11	Type 14
Offset	1/2"	STD	STD	STD						STD	STD
Offset	5/8"	HD	HD	HD						STD	STD
Offset	1"	XHD	XHD	XHD						HD	HD
Offset	1 1/4"	XHD	XHD	XHD						HD	HD
Offset	1 1/2"	XHD	XHD	XHD						HD	HD

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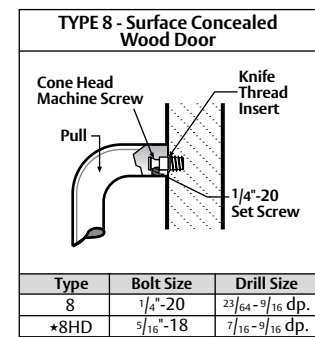
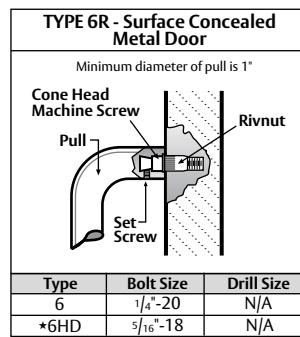
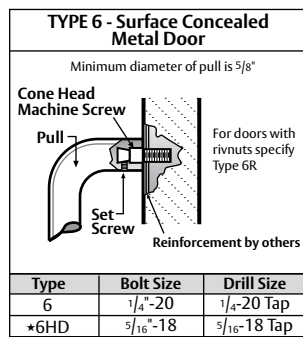
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Door Pull Mounting Details

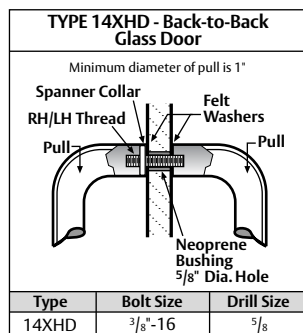
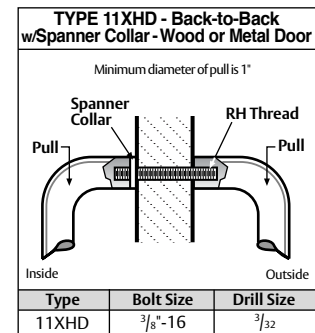
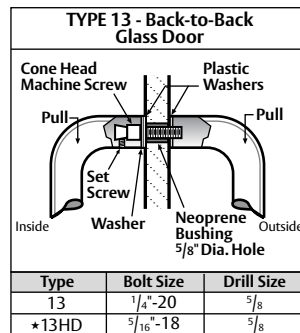
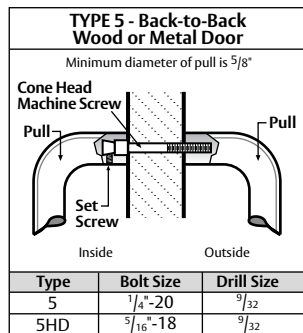
Free End Thru Bolt



Free End Concealed



Back-to-Back



*HD mountings feature 2 set screws 180° apart.

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Push and Pull Bar Mounting Details

Sizing of Push Bars

Flush Doors

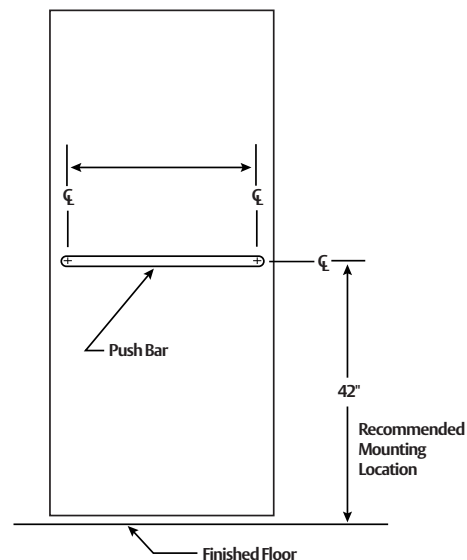
- Door width:
- minus 5" for bent end bars
 - minus 5" for square end post mount bars
 - minus 7" for round end post mount bars

Stile and Rail Doors or Doors with Lites

- Door width:
- minus width of one stile

CAUTION: Always confirm bars will not interfere with jamb or cause pinching hazard.

CAUTION: On narrow stile doors, be sure push bar base fits on the stile and bar does not interfere with the stop.

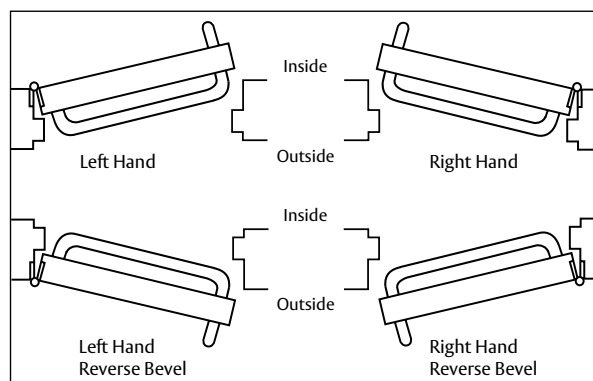


Handing of Doors

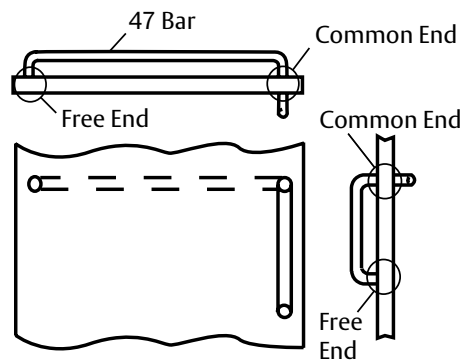
The handing of a door is determined from the outside of the opening.

Standing outside the door:

- If the hinges are on the right, it is a right hand door.
- If the hinges are on the left, it is a left hand door.
- If the door opens away from you, it is a regular bevel door.
- If the door opens toward you, it is a reverse bevel door.



Typical Mounting



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Prices Effective January 1, 2017

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