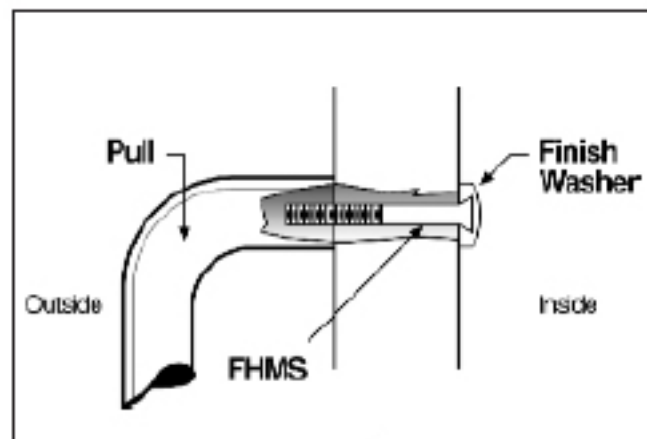


Straight Door Pulls Mounting Details

NOTE: Heavy Duty (HD/XHD) mounting features hex drive for positive tightening and large overall size for superior strength. Recommended for high frequency and rough service openings.

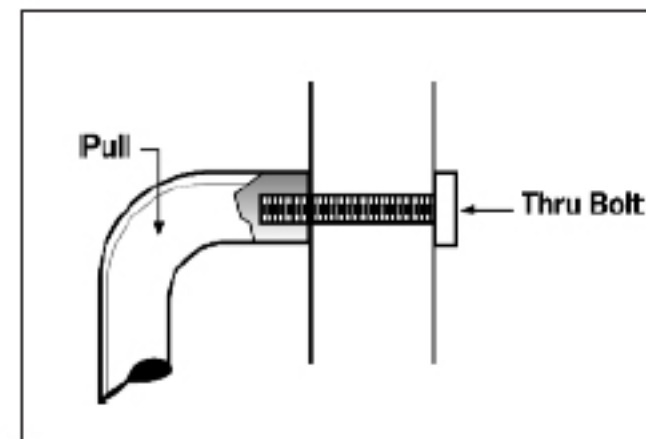
Thru Bolt

Wood or Metal Door - Type 1



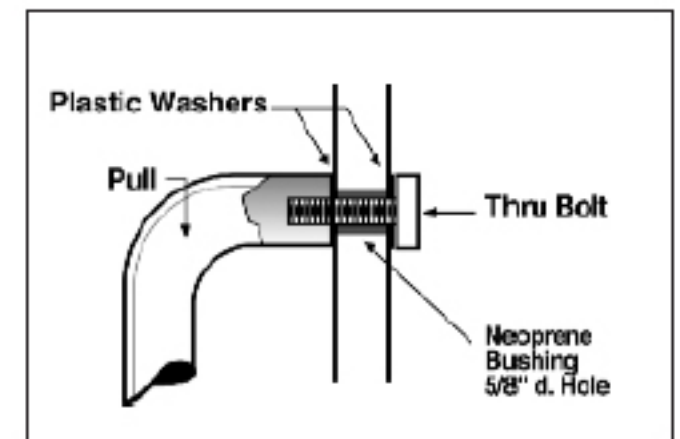
		Drill Size	
Type	Bolt Size	Wood	Metal
1	1/4 - 20	9/32	9/32
1HD	5/16 - 18	11/32	11/32
1XHD	3/8 - 16	13/32	13/32

Wood or Metal Door - Type 12



		Drill Size	
Type	Bolt Size	Wood	Metal
12	1/4 - 20	9/32	9/32
12HD	5/16 - 18	11/32	11/32
12XHD	3/8 - 16	13/32	13/32

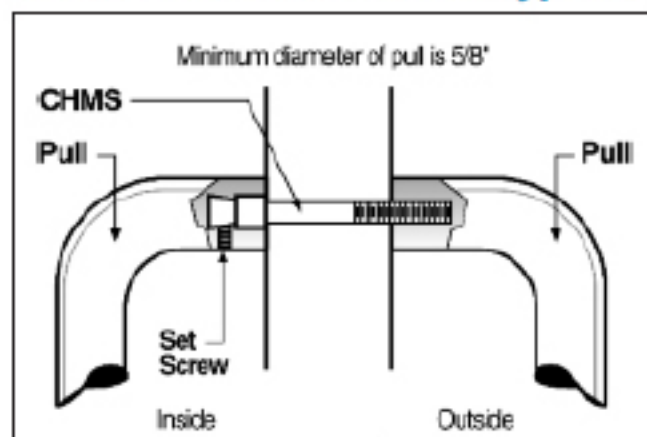
Glass Door - Type 15



		Drill Size	
Type	Bolt Size	Glass	
15	1/4 - 20	5/8	
15HD	5/16 - 18	5/8	
15XHD	3/8 - 16	5/8	

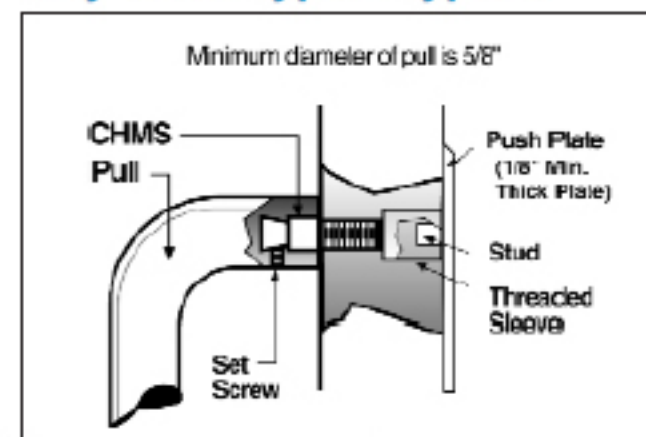
Back to Back

Wood or Metal Door - Type 5



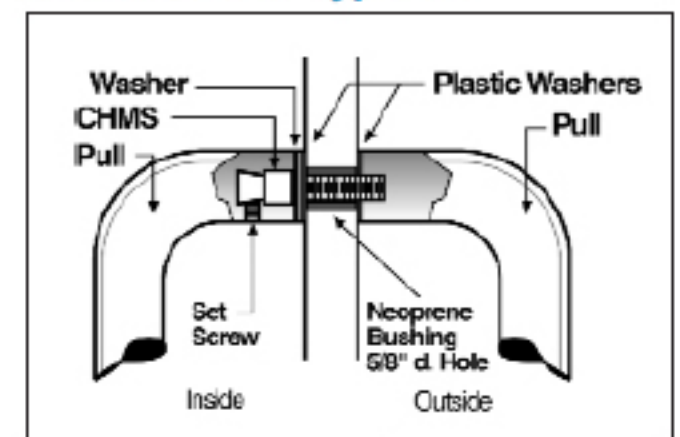
		Drill Size	
Type	Bolt Size	Wood	Metal
5	1/4 - 20	9/32	9/32
5HD	5/16 - 18	11/32	11/32

Any Door Type - Type 9



		Drill Size	
Type	Bolt Size	Metal	
9	1/4 - 20	N/A	

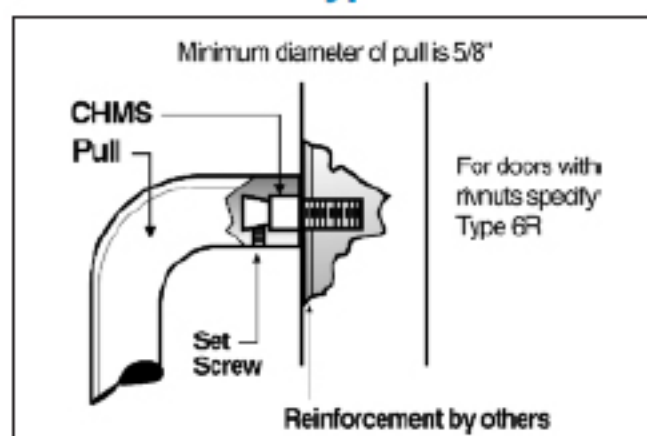
Glass Door - Type 13



		Drill Size	
Type	Bolt Size	Glass	
13	1/4 - 20	5/8	
13HD	5/16 - 18	5/8	

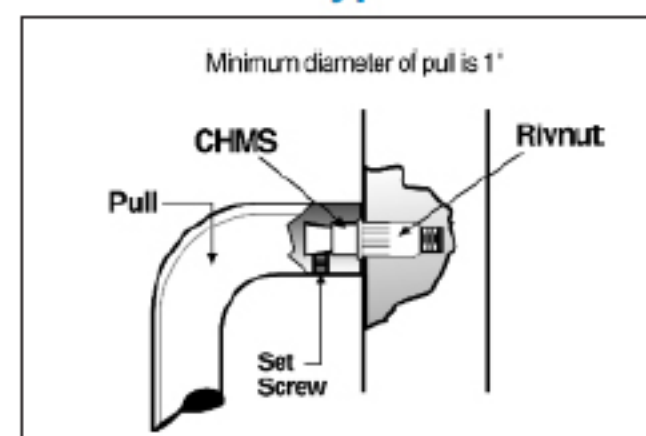
Surface Concealed

Metal Door - Type 6



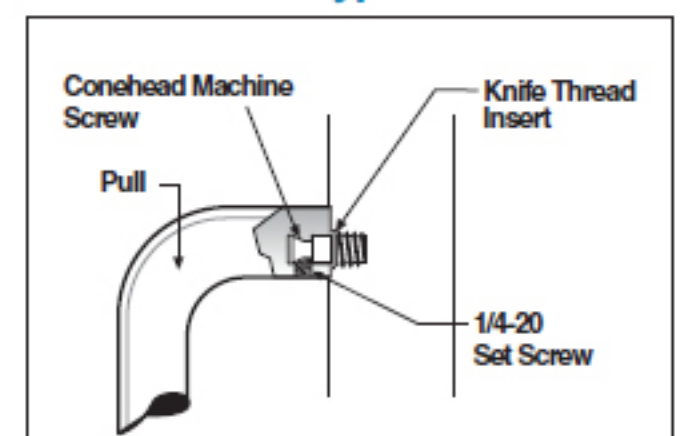
		Drill Size	
Type	Bolt Size	Metal	
6	1/4 - 20	1/4 - 20 tap	
6HD	5/16 - 18	5/16 - 18 tap	

Metal Door - Type 6R



		Drill Size	
Type	Bolt Size	Metal	
6R	1/4 - 20	N/A	

Wood Door - Type 8



		Drill Size	
Type	Bolt Size	Wood	
8	1/4 - 20	23/64 X 9/32 dp	
8HD	5/16 - 18	7/16 X 9/32 dp	