

Free End Concealed

TYPE 6 - Surface Concealed Metal Door

Minimum diameter of pull is 5/8"

Type	Bolt Size	Drill Size
6	1/4"-20	1/4"-20 Tap
6HD	5/16"-18	5/16"-18 Tap

TYPE 6R - Surface Concealed Metal Door

Minimum diameter of pull is 1"

Type	Bolt Size	Drill Size
6R	1/4"-20	N/A
6RHD	5/16"-18	N/A

TYPE 8 - Surface Concealed Wood Door

Type	Bolt Size	Drill Size
8	1/4"-20	23/64 - 9/16 dp.
8HD	5/16"-18	7/16 - 9/16 dp.

TYPE 17 - Surface Concealed Metal Door

Minimum diameter of pull is 1"

Type	Bolt Size	Drill Size
17	1/4"-20	1/4"-20 Tap
17HD	5/16"-18	5/16"-18 Tap

TYPE 17R - Surface Concealed Metal Door

Minimum diameter of pull is 1"

Type	Bolt Size	Drill Size
17R	1/4"-20	N/A
17RHD	5/16"-18	N/A

Common End Back-to-Back

TYPE 5 - Back-to-Back Wood or Metal Door

Minimum diameter of pull is 5/8"

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

TYPE 9 - Back-to-Back w/Lug Plate Any Door Type

Minimum diameter of pull is 5/8"

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

TYPE 11XHD - Back-to-Back w/Spanner Collar - Wood or Metal Door

Minimum diameter of pull is 1"

Type	Bolt Size	Drill Size
11XHD	3/8"-16	13/32

TYPE 13 - Back-to-Back Glass Door

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

TYPE 14XHD - Back-to-Back Glass Door

Minimum diameter of pull is 1"

Type	Bolt Size	Drill Size
14XHD	3/8"-16	5/8

TYPE 16 - Back-to-Back Wood or Metal Door

1" diameter offset pulls only

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

TYPE 18 - Back-to-Back Glass Door

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

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