Architectural Door Accessories

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Markar Door Clearance Guide Proper operation and performance of a door opening depends upon the appropriate door size relative to the frame dimension. Use this Door Clearance Guide to calculate the correct door size needed for a particular application.

Start by locating the hinge series and model number, then select non-adjustable or adjustable application, and select single door or pair of doors to attain the proper door clearance.

Table of Contents

Formulas for Under-sizing Doors	3
300 Series Pin & Barrel Stainless Steel Continuous Hinges	4
300 Series Stainless Steel Continuous Edge Guard	
200 Series Pin & Barrel Carbon Steel Continuous Hinges	
100 Series Pin & Barrel Aluminum Continuous Hinges	
100 Series Aluminum Continuous Edge Guard	8
3500 Series Pin & Barrel Stainless Steel Security Hinges	9
400 Series Aluminum Pin & Barrel Toilet Partition Hinges	
900 Series Aluminum Pin & Barrel Toilet Partition Hinges	
Combination Clearances for Hinge & Edge Guard Applications	11
900 Series Aluminum Pin & Barrel Toilet Partition Hinges	. 10

Under-sizing Required For All Door Applications:

MODEL: (HG305).....5/16" Markar Hinge Side Clearance

The two formulas below are based on a standard Non-Adjustable Application

Example for Standard Single Door:

1/8" Lock-side Clearance
+1/16" Frame Irregularity (Optional)
1/2" (As shown in 300 Series Standard Non-Adjustable Chart)

Example for Standard Pair of Doors:

For adjustable models used in an Adjustable Application, an additional 1/8" of clearance per door is required as shown in the two formulas below

Example for Standard Single Door:

Example for Standard Pair of Doors:

		_
MODEL	Hinge Side Clearance (A)	
FM300	1/4	Ī
*FS301	1/8	
*FS302	1/8	
*HS303	1/8	
*HM304	1/8	
HG305	5/16	
*HG306	1/8	
*FS/SC309	1/8	
HG310	1/4	
*HG311	1/8	
HG315	1/4	
*FS321	1/8	
HG322	5/16	
HG323	5/16	
HG326	5/16	
FM327	3/4	
HG329	1/4	

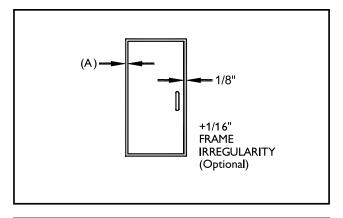
-	• •
Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
7/16	11/16
5/16	7/16
5/16	7/16
5/16	7/16
5/16	7/16
1/2	13/16
5/16	7/16
5/16	7/16
7/16	11/16
5/16	7/16
7/16	11/16
5/16	7/16
1/2	13/16
1/2	13/16
1/2	13/16
15/16	1-11/16
7/16	11/16

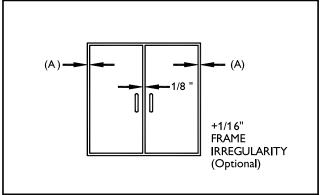
Models with * will work with Industry Standard Clearances.

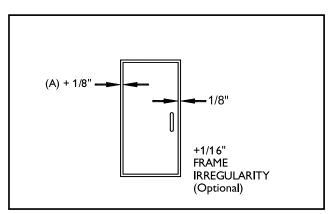
"Adjustable" application

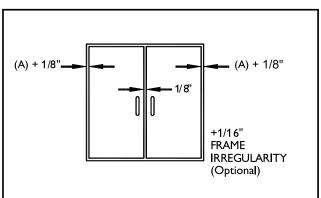
MODEL	Hinge Side Clearance (A)
HG305	5/16
HG310	1/4
HG322	5/16
HG326	5/16

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
5/8	1-1/16
9/16	15/16
5/8	1-1/16
5/8	1-1/16





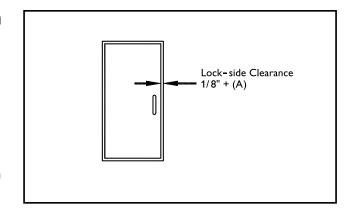


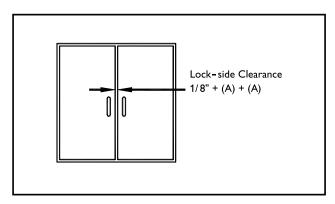


MODEL	Lock-side Side Clearance (A)
EG308	1/16
EGC308	1/16
EGT308	1/16

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
3/16	1/4
3/16	1/4
-	1/4

In a stand-alone application, where the EGT308 is used on a pair of doors while the opposite door contains no edge guard, the **total under-sizing for the pair of doors would be 3/16".**



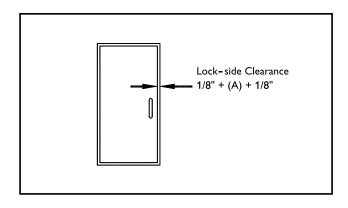


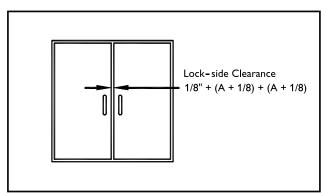
"Adjustable" application

MODEL	Lock-side Side Clearance (A)
EG308	1/16
EGT308	1/16

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
5/16	1/2
-	1/2
-	w/ EG308

In a stand-alone application, where the EGT308 is used on a pair of doors while the opposite door contains no edge guard, the **total under-sizing for the pair of doors would be 5/16**".

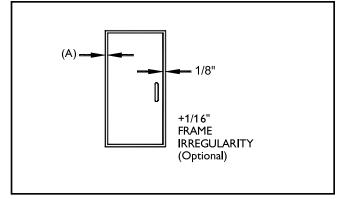


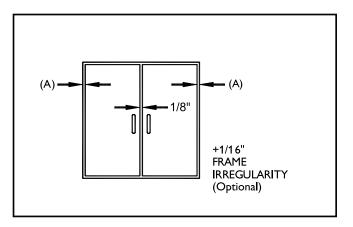


MODEL	Hinge Side Clearance (A)
FM200	1/4
*FS201	1/8
*FS202	1/8
*HS203	1/8

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
7/16	11/16
5/16	7/16
5/16	7/16
5/16	7/16

Models with * will work with Industry Standard Clearances.

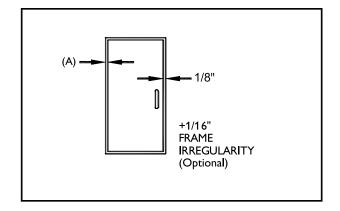


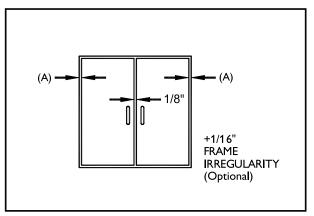


MODEL	Hinge Side Clearance (A)
FM100	3/8
FM100 (bev.)	7/16
*FS101	1/8
*FS102	1/8
HS103	3/16
HM104	3/16
HG105	3/8

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
9/16	15/16
5/8	1-1/16
5/16	7/16
5/16	7/16
3/8	9/16
3/8	9/16
9/16	15/16

 $Models\ with\ *will\ work\ with\ Industry\ Standard\ Clearances.$

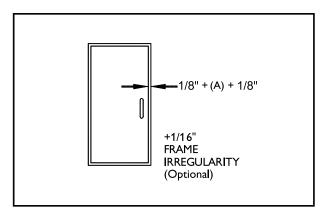


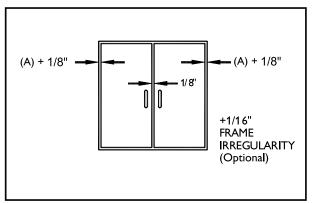


"Adjustable" application

MODEL	Edge Clearance (A)
HG105	3/8

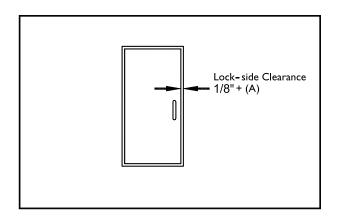
Total	Total
Under-sizing	Under-sizing
For	For
Single Door	Pair of Doors
11/16	1-3/16

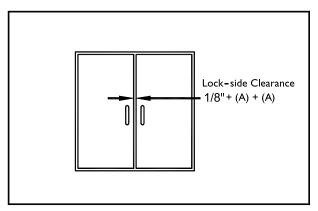




MODEL	Lock-side Clearance (A)
EG108	1/8

Total	Total
Under-sizing	Under-sizing
For	For
Single Door	Pair of Doors
1/4	3/8

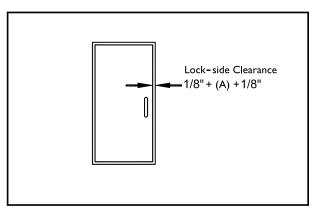


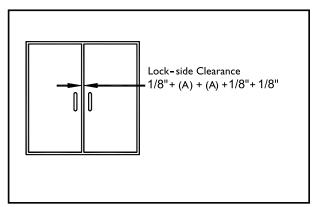


"Adjustable" application

MODEL	Lock-side Clearance (A)
EG108	1/8

Total Under-sizing For	Total Under-sizing For
Single Door	Pair of Doors
3/8	5/8





3500 Series Pin & Barrel Stainless Steel Security Hinges

Standard "Non-Adjustable" application

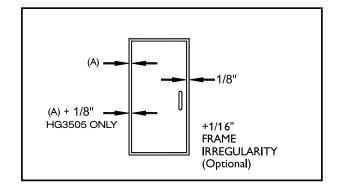
MODEL	Hinge Side Clearance (A)
FM3500	5/16
FS3501	1/8
FS3502	1/8
HG3505	5/16

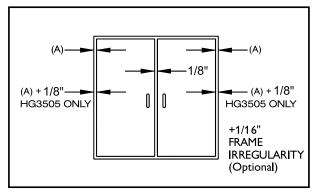
For	Total Under-sizing For Pair of Doors
1/2	13/16
5/16	7/16
5/16	7/16
1/2	13/16

"Adjustable" application

MODEL	Hinge Side Clearance (A)
HG3505	5/16

	Total Under-sizing
For Single Door	For Pair of Doors
5/8	1-1/16



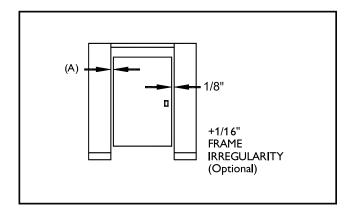


400 Series Aluminum Pin & Barrel Toilet Partition Hinges

Standard "Non-Adjustable" application

MODEL	Hinge Side Clearance (A)
FS402	1/8

Total Under-sizing For
Single Door
5/16

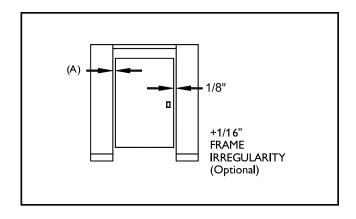


900 Series Stainless Steel Pin & Barrel Toilet Partition Hinges

Standard "Adjustable" application

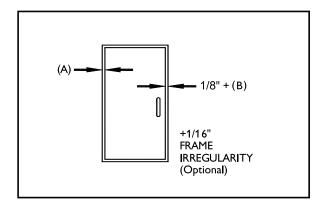
MODEL	Hinge Side Clearance (A)
FS902	1/8

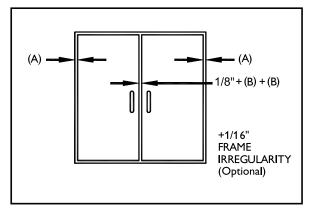
	Total Under-sizing For Single Door
ŀ	5/16



Combination Model	Hinge Side Clearance (A) & Edge Guard Clearance (B)
HG305 & EG308	(A) = 5/16 (B) = 1/16
HG315 & EGC308	(A) = 1/4 (B) = 1/16
HG305 & EGT308	(A) = 5/16 (B) = 1/16
HG105 & EG108	(A) = 3/8 (B) = 1/8
HG329 & EG308	(A) = 1/4 (B) = 1/16

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
9/16	15/16
1/2	13/16
N/A	15/16
11/16	1-3/16
1/2	13/16

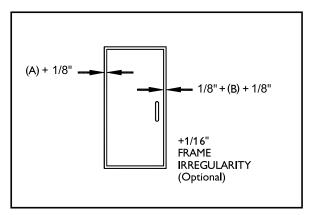


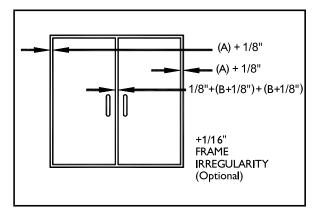


"Adjustable" application

Combination Model	Hinge Side Clearance (A) & Edge Guard Clearance (B)
HG305 & EG308	(A) = 5/16 (B) = 1/16
HG305 & EGT308	(A) = 5/16 (B) = 1/16
HG105 & EG108	(A) = 3/8 (B) = 1/16
HG3505 & EG308	(A) = 5/16 (B) = 1/16

Total Under-sizing For Single Door	Total Under-sizing For Pair of Doors
13/16	1-7/16
N/A	1-7/16
15/16	1-11/16
13/16	1-7/16





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