

Grass Tiomos 110 Degree Soft Close Hinge for Frameless Inset Cabinets

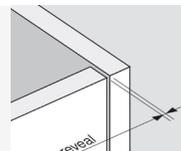
REVEAL TABLES

WHAT IS A REVEAL?

When a door swings, it needs a certain amount of clearance at both ends of the door so that anything close (ie. another door or a side panel) does not interfere with the opening door. This clearance gap is called the reveal. The table below shows the minimum amount of reveal needed for this hinge.

FOR INSET DOORS

For inset doors, the reveal is the gap between the edge of the door and the side panel or the edge of the frame. The minimum reveal is very important for inset doors. If not properly taken into consideration, there could be possible issues with the door binding when opening.

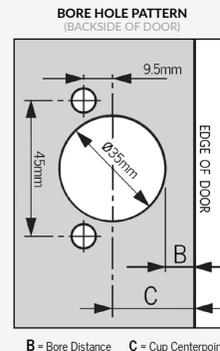


HOW TO USE THESE CHARTS

Use the first table below to determine which plate is needed. This varies depending on the reveal and bore distance. The bore distance is the measurement from the edge of the door to the edge of the cup that is drilled in the back of the door. See "B" on the chart to the right for further clarification. Note that each reveal dimension has a range, as these hinges are adjustable ± 2 mm. Whenever possible, try and select an option that is closest to the unadjusted reveal (listed below each range).

The second table below shows the minimum amount of reveal required depending on bore distance and thickness of your door. This is important to verify to make sure there aren't any binding issues when opening the door.

Example: If you want a 1mm reveal, you would use the first chart verify the bore distance and plate size. In this case, the best option would be 4mm bore distance with a 2mm plate. While other options are possible, this would give you the most amount of adjustment after installation. You would then use the second table to determine how thick of a door will allow this reveal. Using your previously acquired bore distance (4mm), you can now determine that a 16mm and 19mm thick door will allow a 1mm reveal. If you wanted to use a thicker door with this same setup, you would need to adjust the reveal up to a minimum of 1.6 or 2.1mm for a 22 and 24mm thick door, respectively.



APPOXIMATE CONVERSION CHART

3mm	1/8"
4mm	5/32"
5mm	3/16"
5.5mm	7/32"
6mm	1/4"
7mm	9/32"
8mm	5/16"
9mm	11/32"
9.5mm	3/8"
10mm	13/32"
11mm	7/16"
12mm	15/32"
13mm	1/2"
13.5mm	17/32"
14mm	9/16"
15mm	19/32"
16mm	5/8"
17mm	11/16"
18mm	23/32"
19mm	3/4"
20mm	25/32"
20.5mm	7/8"
21mm	27/32"
22mm	7/8"
23mm	29/32"
24mm	15/16"
25.4mm	1"
26mm	1-1/32"
27mm	1-1/16"
28mm	1-3/32"
29mm	1-1/18"
30mm	1-3/16"
31mm	1-7/32"
32mm	1-1/4"
33mm	1-5/16"
34mm	1-11/32"
35mm	1-3/8"
36mm	1-13/32"

INSET DOOR REVEAL

		BORE DISTANCE				
		3MM	4MM	5MM	6MM	7MM
REVEAL DIMENSION	0mm - 2mm (Unadjusted Reveal: 0mm)		0mm Plate (SKU 701380)		2mm Plate (SKU 701381)	3mm Plate (SKU 701382)
	0mm - 3mm (Unadjusted Reveal: 1mm)	0mm Plate (SKU 701380)		2mm Plate (SKU 701381)	3mm Plate (SKU 701382)	
	0mm - 4mm (Unadjusted Reveal: 2mm)		2mm Plate (SKU 701381)	3mm Plate (SKU 701382)		
	1mm - 5mm (Unadjusted Reveal: 3mm)	2mm Plate (SKU 701381)	3mm Plate (SKU 701382)			
	2mm - 6mm (Unadjusted Reveal: 4mm)	3mm Plate (SKU 701382)				

MINIMUM REVEAL

		BORE DISTANCE				
		3MM	4MM	5MM	6MM	7MM
DOOR THICKNESS	16MM	0.6mm	0.6mm	0.6mm	0.6mm	0.6mm
	19MM	0.9mm	0.9mm	0.9mm	0.9mm	0.9mm
	22MM	1.6mm	1.6mm	1.6mm	1.5mm	1.5mm
	24MM	2.4mm	2.1mm	2.1mm	2.1mm	2.0mm

*Table values are based on doors where the edges are rounded with a 1mm radius. Numbers are reduced for doors with larger radiused corners.