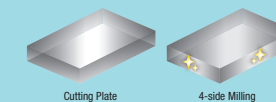
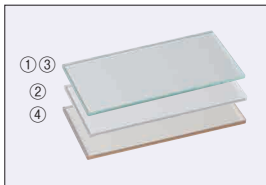


Square Glass Plates



- Float Transparent Glass excels in smoothness and has little distortion. Heat Resistant Glass (TEMPAX Float®) excels in heat and impact resistance. Reinforced Glass has 3 to 5 times higher static strength compared to general glass with the same thickness.
- Heat-resistant Crystallized Glass which has excellent heat resistant and strength is also available.

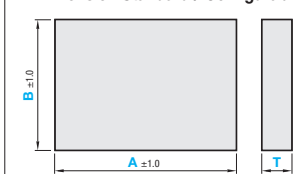


No.	Configurable Type	Fixed Dimension Type	Material	Heat-resistant Temperature	
				Continuous Use	Max.
①	FGLKF	GLKF	Float Transparent Glass (Soda-lime glass)	100 deg.	380 deg.
②	FGLKH	GLKH	Heat-resistant Glass (TEMPAX Float®)	250 deg.	450 deg.
③	-	GLKK	Reinforced Glass	210 deg.	250 deg.
④	FGLKR	-	Heat-resistant Crystallized Glass (Nextrema®)	700 deg.	850 deg.

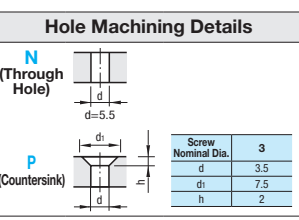
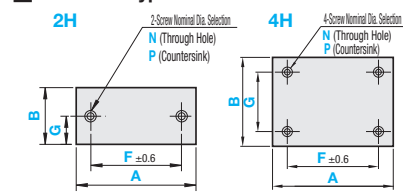
T Tolerance		
Type	T	Tolerance
GLKF GLKK FGLKF FGLKR	3, 5	±0.3
	8	±0.6
GLKH FGLKH	3.3, 5, 6.5	±0.2
	8, *10	±0.4

- Heat resistant temperature will be largely varied depending on the operating condition. Values are not guaranteed.
- Cannot be used for Class-1 pressure vessels, Class-2 pressure vessels, or equipment specifically for high pressure gas.

Standard Type Dimension Standard / Configurable



Pre-drilled Type



A > B Circumference Chamfering C0.3 ~ 1.0

Keep a dimension of 5mm or more between hole end and glass end.

Configurable Type

Part Number	Type	1mm IncrementmmUnit	
		T	B
FGLKF (Float Transparent Glass)		3	
		5	
		8	
FGLKH (Heat-resistant Glass)		3.3	20~500
		5	20~500
		6.5	20~500
		8	
		*10	
FGLKR (Heat-resistant Crystallized Glass)		3	
		5	

Fixed Dimension Type

Part Number	Type	T	A B	
			Selectable	Selectable
GLKF (Float Transparent Glass)		3	50	50
			100	50 100
			150	100 150
		5	100	50 100
			150	150
			200	150
GLKH (Heat-resistant Glass)		3.3	50	50
			100	50 100
			150	100 150
			200	200
		5	50	50
			100	50 100
			150	100
			200	200
		3	100	50 100
			150	100 150
			200	200
			300	100 250 300

4-side Milled Type (A, B Dimension Tolerance ±0.2)

Part Number	Type	Finish Selection	T	1mm IncrementmmUnit	
				A	B
FGLKF (Float Transparent Glass)		4F	3		
			5		
			8		
			3.3	20~500	20~500
FGLKH (Heat-resistant Glass)		4F	5		
			6.5	20~500	20~500
			8		
			*10		
			3		
FGLKR (Heat-resistant Crystallized Glass)		4F	3		
			5		

* FGLKH (heat resistant glass) with the part number T10 has an actual size of 10.2.

Pre-drilled Type

Part Number	Type	Number of Holes	T Selection	1mm IncrementmmUnit				Screw Nominal Dia. Selection	
				A	B	F	G	N (Through)	P (Countersink)
FGLKF (Float Transparent Glass)		2H	3						
			5						
FGLKH (Heat-resistant Glass)		4H	3.3	30~500	30~500	13~450	13~450	5	3
			5						
FGLKR (Heat-resistant Crystallized Glass)		4H	3						
			5						

Heat-resistant Glass (TEMPAX Float®):

Borosilicate Glass with both surfaces finished flat and smooth by the Float method. Has high optical transparency and excels in optical quality such as the distortion free property.

Reinforced Glass

Float transparent glass with reinforce treatment applied. MISUMI stocks limited sizes to provide them in short delivery time as it normally takes days to finish hardening treatment.

Heat-resistant Crystallized Glass (Nextrema®):

Can be used in high temperature range and has excellent thermal shock resistance. In addition, has high bending stress. Can be specified freely.



Ordering Example Part Number - A - B - F - G - Screw Nominal
 GLKK5 - 200 - 200
 FGLKH3.3 - 231 - 210
 FGLKH2H5 - 200 - 150 - F100 - G75 - N5

Configurable Type

Part Number	Type	T	A 1mm Increment	Unit Price				
				B 1mm Increment				
				20~100	101~200	201~300	301~400	401~500
FGLKF (Float Transparent Glass)	3		20~100					
			101~200					
			201~300					
			301~400					
			401~500					
			20~100					
	5		101~200					
			201~300					
			301~400					
			401~500					
			20~100					
			101~200					
FGLKH (Heat-resistant Glass)	3.3		20~100					
			101~200					
			201~300					
			301~400					
			401~500					
			20~100					
	5		101~200					
			201~300					
			301~400					
			401~500					
			20~100					
			101~200					
FGLKH (Heat-resistant Glass)	6.5		20~100					
			101~200					
			201~300					
			301~400					
			401~500					
			20~100					
	8		101~200					
			201~300					
			301~400					
			401~500					
			20~100					
			101~200					
FGLKR (Heat-resistant Crystallized Glass)	3		20~100					
			101~200					
			201~300					
			301~400					
			401~500					
			20~100					
	5		101~200					
			201~300					
			301~400					
			401~500					
			20~100					
			101~200					

Fixed Dimension Type

Part Number	Type	T	A	B	Unit Price
GLKF		3	50	50	
			100	50	
			150	100	
		5	100	50	
			150	150	
			200	150	
GLKH (Heat-resistant Glass)					
GLKH		3.3	50	50	
			100	50	
			150	100	
			200	200	
			50	50	
			100	50	
		5	100	100	
			150	100	
			200	200	
			50	50	
			100	50	
			150	100	
GLKK (Reinforced Glass)					
GLKK		3	50	50	
			100	50	
			150	100	
			200	200	
			250	150	
			300	100	
		5	250	150	
			300	250	
			300	300	

4-side Milling Charge (A, B Dimension Tolerance ±0.2)

Part Number	Type	Finish Selection	T	A 1mm Increment	Unit Price				
					B 1mm Increment				
				20~50	51~100	101~150	151~200	201~250	251~300
FGLKF (Float Transparent Glass)		4F	3	20~50					
				51~100					
				101~150					
				151~200					
				201~250					
				251~300					
FGLKH (Heat-resistant Glass)		4F	3.3	20~50					
				51~100					
				101~150					
				151~200					
				201~250					
				251~300					
FGLKR (Heat-resistant Crystallized Glass)		4F	6.5	20~50					
				51~100					
				101~150					
				151~200					
				201~250					
				251~300					
FGLKF (Float Transparent Glass)		4F	8	20~50					
				51~100					
				101~150					
				151~200					
				201~250					
				251~300					
FGLKH (Heat-resistant Glass)		4F	*10	20~50					
				51~100					
				101~150					
				151~200					
				201~250					
				251~300					

Hole Machining Charge

Pre-drilled Type	Hole Machining Charge	
	N (Through Hole)	P (Countersink)
2H		
4H		

Pre-drilled Type Price = Configurable Type Unit Price + Hole Machining Charge

(Ex.) Part Number - A - B - F - G - Screw Nominal
 FGLKF2H3 - 200 - 180 - F180 - G140 - N5

(Configurable Type Unit Price) + (Hole Machining Charge) = (Pre-drilled Type Unit Price)

Price of 4-side Milled Type = Configurable Type Unit Price + Side Milling Charge

(Ex.) Part Number - A - B
 FGLKR4F5 - 100 - 100

(Configurable Type Unit Price) + (Side Milling Charge) = (Side Milled Type Unit Price)