

# **Standoff Glass Railing System**

## **Glass Type**

Toughened glass, also known as tempered glass after its method of production, is a type of safety glass that is five times stronger than annealed and laminated glass of the same size and thickness. Toughened glass gets this strength from the tempering process which sees it subjected to intense heating followed by rapid cooling during manufacture. This toughness gives tempered glass a far higher load and breakage resistance. Toughened glass needs to be hit a lot harder than other safety glass in order to break. This method of breaking lowers the risk of injury compared to annealed glass which breaks up into larger, jagged pieces more likely to injure anybody in close proximity.



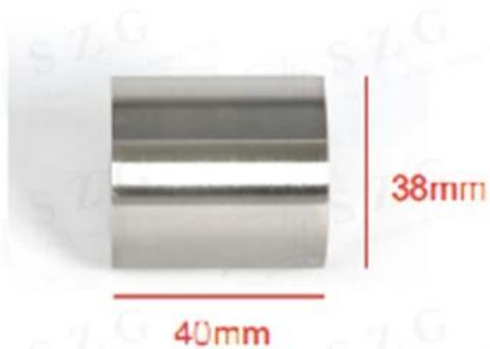
Laminated glass is produced by use plastic (polyvinyl butyral) interlay that is sandwiched between two glass sheets during manufacture. This bonds the two panes together like a glue so that even when the glass breaks, its fragments keep binding on the thin film. When smashed, laminated glass holds in place and does not break up into large jagged shards or hundreds of little pieces. Instead, it keeps in place long enough for a replacement to be found. This highly practical safety feature greatly reduces the chances of injury occurring from falling glass.



**Stainless Steel Standoff**



## Detail Measurement



# Benefits of Standoff Glass Railing System

## 1. Glass railing standoffs are safe.

Glass railings consist of laminated or tempered glass that meets local building codes. You can use a glass railing to enhance safety by preventing accidental falls on the staircase, ramps, and deck. In addition, you can use glass railings as a safety fence around swimming pools.

## 2. Enhance your view with glass railings

You can enjoy unobstructed views with glass railings. Glass railings use transparent glass panels that allow sunlight to pass through without any yellowing or clouding, leading to a brighter space. Secondly, using glass is waterproof, it protects you from the natural elements.

## 3. You can customize glass railings to your style.

We all want our homes to reflect our style, personality, and glass railings customized to your needs. At SUN GLOBAL GLASS, we customize your glass railing to fit your staircase, deck, or area that you want to be fenced. Moreover, we fabricate the glass to your specification and stock glass railing standoffs and other hardware to ease your installation.

## 4. Glass railings are durable.

A significant concern with homeowners is the durability of glass because they perceive it as fragile. However, glass railings use tempered and laminated glass panels, which are stronger than regular glass. Tempered or laminated glass are safety glass because they provide extra security since they do not break easily, is scratch-resistant, and can withstand extreme temperatures and pressure without breaking.

## 5. Glass railings need minimum maintenance.

Glass railings do not need a lot of care, and you only need to clean the glass regularly to keep it looking new and sparkling. Additionally, glass is resistant to scratching, rusting, and damage from elements such as water and sunlight.

