

# TACTILE GROUND SURFACE INDICATORS (TGSIs)



**WARNING**



**DIRECTIONAL**



## Tactile Ground Surface Indicators (TGSIs)

We have made it faster and easier to select, supply and install Tactile Ground Surface Indicators (TGSIs) by creating an inclusive range of Surface Applied and Cast in Place Access Tile Systems to assist you in meeting compliance in your built environment.

Our TGSi Access Tile Systems have undergone through independent testing to bring all our products into compliance with the applicable Australian Standards.

### Tactile Ground Surface Indicators: Warning Indicators



**TGSi-35**



**TGSi-36**



**TGSi-37**



**TGSi-38**



**TGSi-R**



**TGSi-Y**



**TGSi-B**



**TGSi-G**

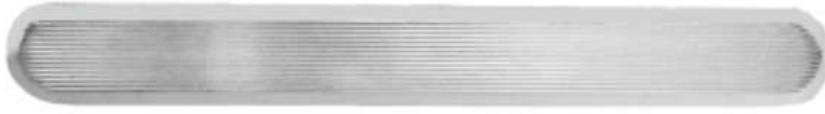
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## Tactile Ground Surface Indicators: Directional Indicators



**TGSI-286**



**TGSI-285**



**TGSI-285Y**



**TGSI-285R**



**TGSI-285B**

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## **Tactile Ground Surface Indicators (TGSIs)**

Tactile Ground Surface Indicators purpose is to provide a tactile surface on public paths and access routes that can be felt underfoot and recognized as an alert to all pedestrians of imminent pedestrian risk, particularly to the vision impaired, but also as an additional safety precaution.

This diagram below illustrates the general TGSi pattern layout for Discrete and Integrated Warning TGSIs generally used within Australia. AS 1428.4:2002 controls the product and the installation requirements of Tactile Indicators. And slip resistance, an essential consideration when selecting tactile indicators is the level of slip resistance provided. Tactile are often placed at hazardous locations such as bus and rail platforms, escalators, top of stairs and pedestrian crossings. It's essential that tactile do not increase the chance slip and fall accidents, especially in wet conditions.

### **1.SPECIFICATIONS**

#### **Product**

All stainless steel is marine grade 316, which has been further processed to ensure a lifetime of performance & resistance to corrosion.

#### **Quality**

The manufacturing processes utilis the latest technology available to ensure accurate repeatability. A vigorous inspection procedure is also implemented to maintain that only the highest possible quality component meets the requirements of AS 1428.4, for performance & design.

#### **SLIP RESISTANCE**

Tactile Ground Surface Indicators has been tested by CSIRO to verify the suitability of the product in a pedestrian environment. This component was rated at P5 to AS 4586:2013, Appendix A, which significantly exceeds the requirements & ensures a safety advantage.

### **2.Tactile Ground Surface Indicators (TGSIs) can be used in places like:**

Intersection kerb ramps

Pedestrian crossings

Stairs

Elevators

Ramps

Escalators

Public transport facilities

Using tactile indicators at different public transport facilities can alert pedestrians to the platform edges at train stations, bus and tram stop areas as well as at ferry docks.

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### 3.Types of Tactile Ground Surface Indicator (TGSi)

Only two types of TGSi shall be used in the road environment. Detailed specifications of these TGSi can be found in AS/NZS 1428.4:1 2009.

#### 3.1 Warning Indicators

Warning indicators are intended to function much like a stop sign. They alert pedestrians who are blind or have low vision to hazards in their line of travel, indicating that they should stop to determine the nature of the hazard before proceeding further.

The warning TGSi is a circular dome with a diameter of 35 mm and a height of 4-5 mm and the dowel size 15x6 mm. Stainless steel 316.

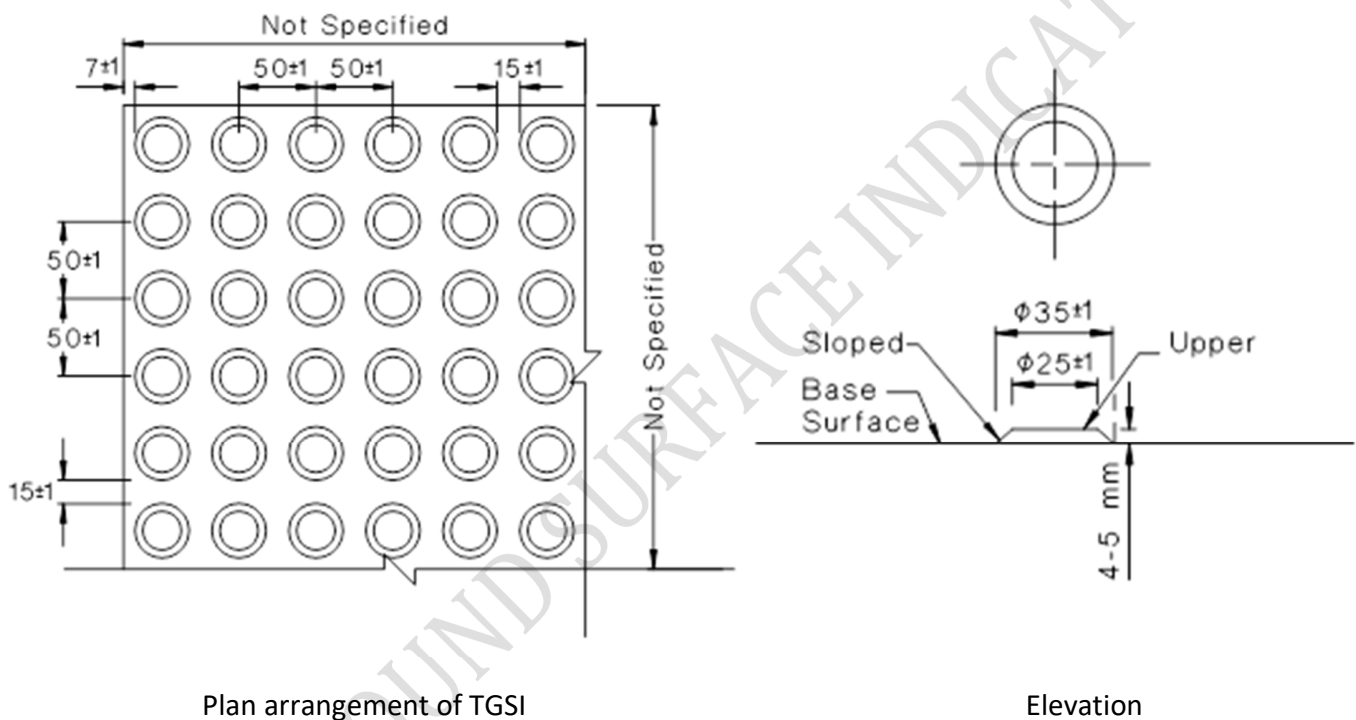


FIGURE 1 Warning Indicators  
Design and Arrangement of TGSIs (AS 1428.4:2002 Standard)

### 3.2 Directional Indicators

A directional indicator is a textured surface feature consisting of directional grooves built into or bars applied to walking surfaces to give directional orientation to people who are blind or have low vision.

The directional TGSi is a diameter of 35 mm and a height of 4-5 mm and dowel size 15x6 mm. Stainless steel 316.

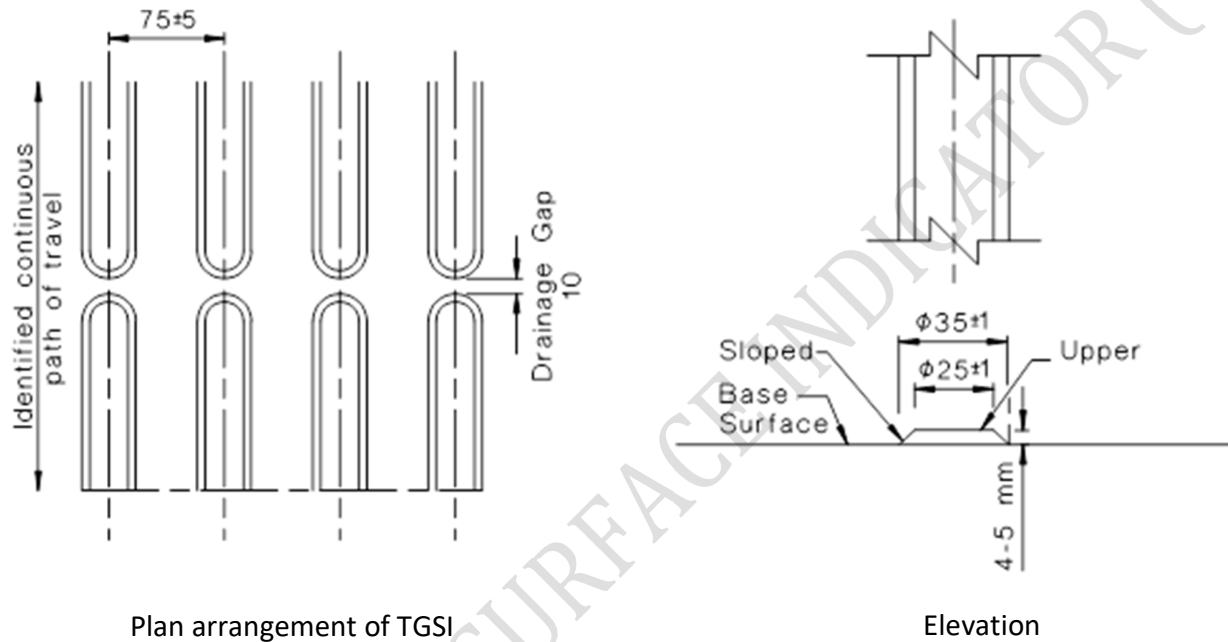


FIGURE 2 Directional Indicators  
Design and Arrangement of TGSIs (AS 1428.4:2002 Standard)

### 4. Installation

Tactile Ground Surface Indicators must be installed in accordance with manufacturers' instructions.