



EXPORT PRODUCT CATALOGUE · 2026 EDITION

Tactile Ground Surface Indicators

Investment-cast Stainless Steel Tactile Strips & Studs (TGS) — engineered for global accessibility compliance. Supplied to UK, Europe, Australia, Middle East & beyond.

TACTILE STRIPS

TACTILE STUDS

SS 304 · SS 316

SELF ADHESIVE

DRILL FIX

AS/NZS · ADA · DDA

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2026

Precision Cast. Globally Trusted.

Incartel Inc. is a leading Rajkot - based manufacturer and exporter of precision machined components. through Investment Casting, Sand Casting, Forging, and Pressure Die Casting. Our Tactile TGSIs range is produced to the same exacting standards as our aerospace, defence, and railway components — ensuring compliance with the world's most stringent accessibility codes. We supply to UK, EU, Australia, USA, UAE, and South-East Asia.

10+

YEARS EXPERIENCE

UK / EU

PRIMARY MARKETS

S316 / SS304

MARINE GRADE STEEL

5 YR

PRODUCT WARRANTY

What are Tactile Ground Surface Indicators?

Tactile Ground Surface Indicators (TGSIs) are safety and accessibility products designed to guide visually impaired and blind pedestrians through public spaces. **Tactile Strips** (directional indicators) provide linear walking guidance, while **Tactile Studs** (warning indicators) alert users to hazards such as platform edges, road crossings, and staircase tops. All Incartel TGSIs products are manufactured from high-grade stainless steel using investment casting processes and comply with international standards including AS/NZS 1428.4.1:2009, ADA (USA), DDA (UK), and India's National Building Code 2016.

01 DIRECTIONAL GUIDANCE

Tactile Directional Strips

INC-DTS001

HOLLOW BACK



STAINLESS STEEL · CASTING FINISH ·
HOLLOW BACK · DRILL FIX

Stainless Steel Tactile Strip with Linear Pattern On Top (casting Finish)

Stainless steel tactile directional strip with raised linear pattern on top (casting finish). Designed with precision pin (stem) fixing for secure and long-lasting installation. Industry-standard installation — drill holes in floor, insert pins, and fix with epoxy adhesive. Ideal for railway stations, airports, hospitals, and pedestrian pathways.

Colours:     

Material	SS304 / SS316
Finish	CASTING
Top Pattern	Linear (Directional)
Dimensions	35 × 4.5 mm
Length	280 mm
Sq.Mtr Ratio	44 Pcs per Sq. Mtr
Fixing Method	Stem / Drill & Fix
Corrosion Resistant	Yes (outdoor suitable)
Customization	Color / Size / Design
Warranty	5 Years

INC-DTS002

HOLLOW BACK



STAINLESS STEEL · CASTING FINISH · HOLLOW
BACK · DRILL FIX

Stainless Steel Casting Tactile Strip with Diamond Pattern On Top Finish (casting Finish)

Stainless steel tactile directional strip with raised diamond pattern on top (casting finish). Designed with precision pin (stem) fixing for secure and long-lasting installation. Industry-standard installation — drill holes in floor, insert pins, and fix with epoxy adhesive. Ideal for railway stations, airports, hospitals, and pedestrian pathways.

Colours:     

Material	SS304 / SS316
Finish	CASTING
Top Pattern	DIAMOND (Directional)
Dimensions	35 × 4.5 mm
Length	280 mm
Sq.Mtr Ratio	44 Pcs per Sq. Mtr
Fixing Method	Stem / Drill & Fix
Corrosion Resistant	Yes (outdoor suitable)
Customization	Color / Size / Design
Warranty	5 Years

INC-DTS003

STEAM FIX



STAINLESS STEEL · MACHINING FINISH ·
DRILL FIX

Stainless Steel Strip with Directional Linear Pattern on Top (Machine Finish)

Stainless steel strip with directional linear pattern and precise machine finish, designed for clear tactile guidance. Offers strong durability, corrosion resistance, and slip resistance. Raised linear design ensures effective navigation for visually impaired users. Includes pin fixing system for secure installation. Suitable for stations, airports, hospitals, malls, and walkways.

Colours:     

Material	SS304 / SS316
Finish	MACHINING
Top Pattern	Linear (Directional)
Dimensions	35 × 4.5 mm
Length	280 mm
Sq.Mtr Ratio	44 Pcs per Sq. Mtr
Fixing Method	Stem / Drill & Fix
Corrosion Resistant	Yes (outdoor suitable)
Customization	Color / Size / Design
Warranty	5 Years

INC-DTS004

STEAM FIX



STAINLESS STEEL · MACHINING FINISH ·
DRILL FIX

Stainless Steel Tactile Strip with Diamond Pattern on Top (Machine Finish)

Stainless steel tactile strip with raised diamond pattern and precise machine finish, designed to enhance grip and provide clear tactile guidance. Offers excellent durability, corrosion resistance, and long service life. The anti-slip surface improves safety in high-traffic areas. Comes with pin fixing system for secure installation. Ideal for stations, airports, malls, and walkways.

Colours:     

Material	SS304 / SS316
Finish	MACHINING/CASTING
Top Pattern	Linear (Directional)
Dimensions	35 × 4.5 mm
Length	280 mm
Sq.Mtr Ratio	44 Pcs per Sq. Mtr
Fixing Method	Stem / Drill & Fix
Corrosion Resistant	Yes (outdoor suitable)
Customization	Color / Size / Design
Warranty	5 Years

INC-DTS005

SELF ADHESIVE



STAINLESS STEEL · MACHINING FINISH ·
SELF ADHESIVE

Stainless Steel Self Adhesive Tactile Strip with Linear Pattern on Top (Machine Finish)

Stainless steel tactile strip with directional linear pattern and smooth machine finish, designed for easy installation using strong self-adhesive backing. Provides clear tactile guidance for visually impaired individuals with excellent slip resistance. Made from durable, corrosion-resistant stainless steel. Ideal for quick installation in malls, offices, hospitals, and pedestrian pathways.

Colours: 

Material	SS304 / SS316
Finish	MACHINING
Top Pattern	Linear (Directional)
Dimensions	35 × 4.5 mm
Length	280 mm
Sq.Mtr Ratio	44 Pcs per Sq. Mtr
Fixing Method	Stem / Drill & Fix
Corrosion Resistant	Yes (outdoor suitable)
Customization	Color / Size / Design
Warranty	5 Years

INC-DTS006

SELF ADHESIVE



STAINLESS STEEL · MACHINING FINISH ·
SELF ADHESIVE

Stainless Steel Self Adhesive Tactile Strip with Diamond Pattern On Top (Machine Finish)

Stainless steel tactile strip with raised diamond pattern and precise machine finish, designed with strong self-adhesive backing for quick and easy installation. Provides excellent grip, slip resistance, and tactile guidance for visually impaired individuals. Made from durable, corrosion-resistant stainless steel. Ideal for use on smooth surfaces in malls, offices, hospitals, and pedestrian walkways.

Colours: 

Material	SS304 / SS316
Finish	MACHINING
Top Pattern	Linear (Directional)
Dimensions	35 × 4.5 mm
Length	280 mm
Sq.Mtr Ratio	44 Pcs per Sq. Mtr
Fixing Method	Stem / Drill & Fix
Corrosion Resistant	Yes (outdoor suitable)
Customization	Color / Size / Design
Warranty	5 Years

02 HAZARD WARNING INDICATORS

Tactile Warning Studs (TGS)

INC-TSD001

STEAM FIX



STAINLESS STEEL · MACHINING FINISH ·
DRILL FIX

Stainless Steel Tactile Warning Stud With Concentric Rings Pattern on Top

Stainless steel tactile warning stud with concentric rings pattern, designed to alert visually impaired individuals of hazards and stop points. Provides strong tactile feedback and anti-slip surface. Made from durable, corrosion-resistant stainless steel. Features pin fixing system for secure installation. Ideal for staircases, platforms, ramps, and pedestrian pathways.

Colours:

Material	SS304 / SS316
Finish	MACHINING
Top Pattern	Concentric Rings
Dimensions	35 × 25 × 4.5 mm
Shape:	Round
Fixing Method	Stem / Drill & Fix
Installation Surface:	Suitable for indoor & outdoor
Customization	Color / Size / Design
Suitable for Substrates	Stone, masonry, timber, vinyl, vitrified porcelain, ceramics, metals

INC-TSD002

STEAM FIX



STAINLESS STEEL · MACHINING FINISH ·
DRILL FIX

Stainless Steel Tactile Stud with Crosshatch Diamond Pattern on Top

Stainless steel tactile stud with crosshatch diamond pattern and precise machine finish, designed to provide enhanced grip and clear tactile warning for visually impaired individuals. Offers excellent slip resistance, durability, and corrosion resistance. The raised pattern ensures strong underfoot detection. Comes with pin fixing system for secure installation. Ideal for stairs, platforms, ramps, and walkways.

Colours:

Material	SS304 / SS316
Finish	MACHINING/CASTING
Top Pattern	Crosshatch Diamonds
Dimensions	35 × 25 × 4.5 mm
Shape:	Round
Fixing Method	Stem / Drill & Fix
Installation Surface:	Suitable for indoor & outdoor
Customization	Color / Size / Design
Suitable for Substrates	Stone, masonry, timber, vinyl, vitrified porcelain, ceramics, metals

INC-TSD003

PLAIN



STAINLESS STEEL · CASTING FINISH ·
ADHESIVE FIX

SS Flat Tactile Warning Stud with Concentric Rings Top Design

Stainless steel flat tactile warning stud with concentric rings top design in casting finish, designed to alert visually impaired individuals of hazards and stop points. The flat profile ensures a subtle yet effective warning surface with good slip resistance. Made from high-quality stainless steel for durability and corrosion resistance. Features pin fixing system for secure installation using epoxy adhesive. Ideal for platforms, staircases, ramps, and pedestrian pathways.

Colours:

Material	SS304 / SS316
Finish	CASTING/MACHINING
Top Pattern	Concentric Rings
Dimensions	35 × 25 × 4.5 mm
Shape:	Round
Fixing Method:	Fix with Adhesive
Installation Surface:	Suitable for indoor & outdoor
Customization	Color / Size / Design
Suitable for Substrates	Stone, masonry, timber, vinyl, vitrified porcelain, ceramics, metals
Square Meter Ratio :	400 Studs per Sq.Mtr

INC-TSD004

PLAIN



STAINLESS STEEL · CASTING FINISH ·
ADHESIVE FIX

Stainless Steel Flat Tactile Stud with Crosshatch Pattern on Top Featuring Crosshatch Pattern

Stainless steel flat tactile stud with crosshatch pattern on top and durable casting finish, designed to provide effective tactile warning and enhanced slip resistance. The flat design ensures a low-profile yet highly noticeable surface for visually impaired users. Made from high-quality stainless steel for excellent strength and corrosion resistance. Equipped with pin fixing system for secure installation using epoxy adhesive. Ideal for use in staircases, platforms, ramps, and pedestrian pathways.

Colours:

Material	SS304 / SS316
Finish	CASTING/MACHINING
Top Pattern	Crosshatch Diamonds
Dimensions	35 × 25 × 4.5 mm
Shape:	Round
Fixing Method:	Fix with Adhesive
Installation Surface:	Suitable for indoor & outdoor
Customization	Color / Size / Design
Suitable for Substrates	Stone, masonry, timber, vinyl, vitrified porcelain, ceramics, metals
Square Meter Ratio :	400 Studs per Sq.Mtr

INC-TSD005

SELF ADHESIVE



STAINLESS STEEL · MACHINING FINISH ·
SELF ADHESIVE

Stainless Steel Self Adhesive Tactile Stud With Concentric Rings Pattern on Top

Stainless steel tactile stud with concentric rings pattern and durable casting finish, designed with strong self-adhesive backing for quick and easy installation. Provides effective tactile warning and anti-slip performance for visually impaired individuals. Made from high-quality stainless steel for excellent strength and corrosion resistance. Ideal for smooth surfaces in staircases, ramps, platforms, and pedestrian pathways.

Colours:

Material	SS304 / SS316
Finish	MACHINING/CASTING
Top Pattern	Concentric Rings
Dimensions	35 × 25 × 4.5 mm
Shape:	Round
Fixing Method:	Pill and stick (No Drilling required)
Installation Surface:	Suitable for indoor & outdoor
Customization	Color / Size / Design
Suitable for Substrates	Stone, masonry, timber, vinyl, vitrified porcelain, ceramics,metals
Square Meter Ratio :	400 Studs per Sq.Mtr

INC-TSD006

SELF ADHESIVE



STAINLESS STEEL · MACHINING FINISH ·
SELF ADHESIVE

Stainless Steel Self Adhesive Tactile Stud With Crosshatch Diamonds Pattern on Top

Stainless steel tactile stud with crosshatch diamond pattern and durable casting finish, designed with strong self-adhesive backing for quick and easy installation. Provides excellent slip resistance and clear tactile warning for visually impaired individuals. Made from high-quality stainless steel for strength and corrosion resistance. Ideal for smooth surfaces in staircases, ramps, platforms, and pedestrian pathways.

Colours:

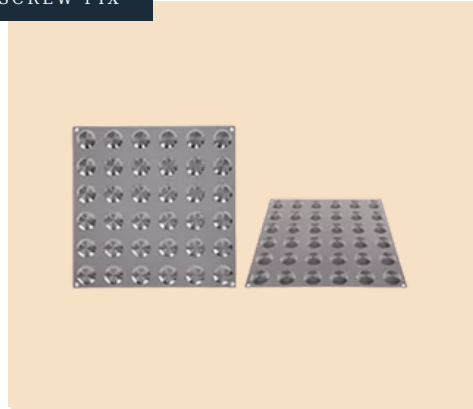
Material	SS304 / SS316
Finish	MACHINING/CASTING
Top Pattern	Crosshatch Diamonds
Dimensions	35 × 25 × 4.5 mm
Shape:	Round
Fixing Method:	Pill and stick (No Drilling required)
Installation Surface:	Suitable for indoor & outdoor
Customization	Color / Size / Design
Suitable for Substrates	Stone, masonry, timber, vinyl, vitrified porcelain, ceramics,metals
Square Meter Ratio :	400 Studs per Sq.Mtr

03 HAZARD WARNING DIRECTIONAL INDICATORS

Tactile Warning Tiles

INC-TTL001

SCREW FIX



STAINLESS STEEL · MACHINING FINISH ·
SELF ADHESIVE · DRILL FIX

Stainless Steel Tactile Tiles – Integrated Concentric Rings & Studs - Screw Fix

Stainless steel tactile tiles featuring integrated concentric rings and studs, designed to provide effective warning and guidance for visually impaired individuals. Combines directional and hazard indicators in a single tile for enhanced safety. Made from high-quality stainless steel for superior strength and corrosion resistance. Designed with screw fixing system for firm and secure installation. Ideal for use in platforms, staircases, railway stations, and pedestrian pathways.

Colours:

Material	SS304 / SS316
Finish	MACHINING
Top Pattern	Concentric Rings & Studs
Diameter :	300mm, 300mm
Dimensions :	300 X 300 With 36 Stud
Shape:	Square
Thickness :	4.5mm
Top Design:	Concentric Rings
Fixing Method:	Drill & Fix with Screws
Adhesive Type:	NA
Installation Time:	Quick & easy installation

INC-TTL002

SCREW FIX



STAINLESS STEEL · MACHINING FINISH ·
SELF ADHESIVE · DRILL FIX

Stainless Steel Integrated Directional Tactile Tiles with Linear Pattern Strips- Screw Fix

Stainless steel tactile directional strip with raised linear pattern on top (casting finish). Designed with precision pin (stem) fixing for secure and long-lasting installation. Industry-standard installation — drill holes in floor, insert pins, and fix with epoxy adhesive. Ideal for railway stations, airports, hospitals, and pedestrian pathways.

Colours:

Material	SS304 / SS316
Finish	MACHINING
Top Pattern	Linear (Directional)
Diameter :	300mm, 300mm
Dimensions :	300 X 300 with 4 Strips
Top of Tile:	4 Strips with Linear Grooves
Shape:	Square
Thickness:	4.5mm
Fixing Method	Drill or diamond core & fix with screw and poly anchor
Adhesive Type:	NA
Installation Time:	Quick & easy installation

Manufactured to International Accessibility Standards

AS/NZS 1428.4.1
Australia / New Zealand

ADA 2010
USA — Americans with Disabilities

Equality ACT 2010
UK — Anti-Discrimination Law

NBC 2016
National Building Code — India

BS 8300
UK — Design for Access

ISO 23599
International TGSi Standard

04 SELECTION GUIDE Grade Comparison - SS 304 vs SS316

» Customized materials and designs can be created as per your requirements.

PROPERTY	SS 304 (STANDARD)	SS 316 (MARINE GRADE)
Corrosion Resistance	★★★★☆ — Excellent	★★★★★ — Superior
Marine / Coastal Use	Good (limited exposure)	Excellent (recommended)
Chloride Resistance	Moderate	High (Molybdenum added)
Outdoor / External	✓ Suitable	✓ Highly Recommended
Indoor Use	✓ Ideal	✓ Ideal
Swimming Pools / Spas	✗ Not recommended	✓ Suitable
Airports / Ports / Docks	Acceptable	✓ Preferred
Food / Medical Areas	✓	✓
Cost	Standard	Premium (~15–20% higher)
Availability	All variants	All variants
Best For	Offices, Hospitals, Malls, Schools	Ports, Coastal, Rail, Airports

05 WHERE WE SUPPLY Applications

IncartelTGSi products are trusted across a wide range of public, commercial, and infrastructure environments —wherever safety and accessibility compliance is required.



RAILWAY STATIONS

Platform edges, ticket halls, pedestrian routes



AIRPORTS

Terminals, boarding gates, immigration corridors



PUBLIC ROADS

Kerb crossings, bus stops, pedestrian refuges



HOSPITALS

Entrances, corridors, emergency access routes



METRO / SUBWAY

Platforms, escalators, concourse floors



GOVERNMENT BUILDINGS

Courts, civic centres, public offices



HOTELS & HOSPITALITY

Lobbies, restaurants, conference centres



SHOPPING CENTRES

Entrances, escalator landings, car parks

INCARTEL INC.

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EXPORT & ENQUIRIES

We supply to UK, Europe, Australia, USA, UAE, Bahrain and South-East Asia.

Custom sizes, grades, and colours available on request. Export-ready packaging. MOQ applicable for custom orders.

Lead Time: 2–6 weeks