AISI-LINE

TACTILE SURFACE WARNING STUDS

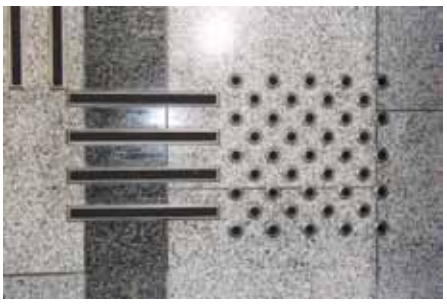
OLEJAR
tactile solution

AISI - LINE

Individual tactile surface warning studs

Product description

Individual **tactile surface warning studs** in shape of a truncated cone are made of stainless steel and ensure long lasting stable performance.
They are also characterized by: good resistance to corrosion, abrasion, excellent resistance to weathering, ozone, sunlight and oxidation.
Strips and studs are made with pins and without pins in a variety of designs with a possible plastic insert inserted into the product.
The system has already proved good in train stations, banks, universities, entrance areas, etc.



PURPOSE OF USE

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AISI-LINE

The tactile surface warning stud with a design of hemispherical projections in a colour contrasting with the colour of the surrounding surface and functional arrangement of hemispherical projections on the ground, that are recognizable by feet and white cane and can be also detected visually, are designed to alert and inform blind and partially sighted people about danger, provide directional guidance (change of direction) and information.

1. Structure of the warning strip in diagonal arrangement

2. Structure of the warning strip in radial arrangement

Individual **surface tactile warning studs** fit harmoniously into the existing architecture and break the concept in an attractive way.

PRODUCT FEATURES OF /AISI-LINE/

- Minimal impact on staff/pedestrians during installation
- Quick and easy installation using a template on all surfaces, including concrete, ceramic tiles, asphalt, wood floors and most other surfaces
- Embossed anti-slip surface, safe and non-slip
- Long-lasting product performance, impact resistant
- Low maintenance demands
- Walking possible immediately after installation, by full load after 24 hours
- They are modular and their universality allows endless configurations to adapt to new or existing surfaces and styles of design
- AISI-lines have a height of 3.5 and 5 mm, which ensures that there will be never any danger on the road
- Stainless steel ensures stability and durability of the product indoors and outdoors
- AISI-LINE offers the specifiers the possibility to maintain the aesthetics of the substrate without limitation of tactile performance

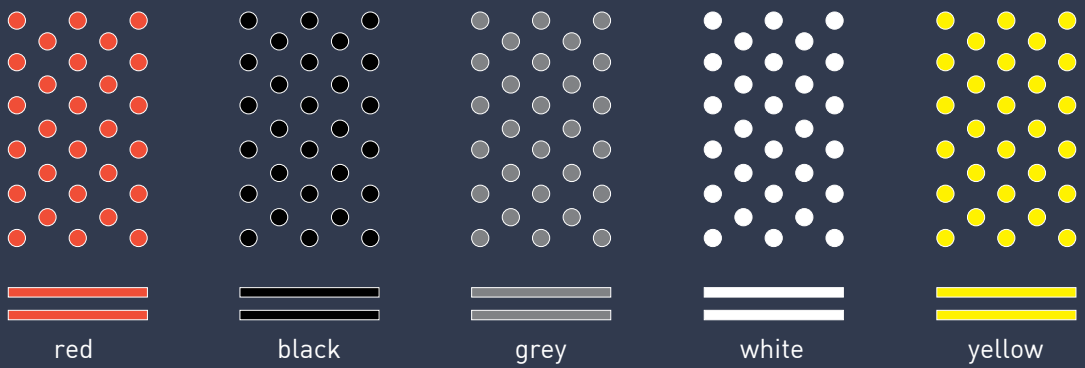
LUMINANCE CONTRAST

In line with international and European standards the luminance contrast between the tactile surface warning studs and the surrounding substrate must be minimum 30%. AISI-LINE is available in a variety of colour inserts that allow specifiers to choose the most appropriate contrast values for a given installation.

COLOURS

Choose the colour of the filling

Individual tactile surface warning studs are available in a number of standard and the most commonly used colours.



Customers can also request a custom colour (with respect to the minimum amount) in order to make the tactile studs and strips fit into any design, style and colour scheme.

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LIST OF INDIVIDUAL TACTILE SURFACE WARNING STUDS FROM STAINLESS STEEL

AISI/KD

AISI/K1

AISI/K2

AISI/KH

AISI/KS1

AISI/KP

AISI/KP

AISI/KP

AISI/KP

AISI/KD

Individual tactile surface warning studs from stainless steel

Individual **tactile surface warning studs** in shape of a truncated cone are made of stainless steel and ensure long lasting stable performance.

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KD	Ø 35mm	5mm	with pin	23g	stainless steel	stainless steel	AISI/KD-K/35/5
	Ø 35mm	5mm	without pin	20g	stainless steel	stainless steel	AISI/KD/35/5

AISI/K1

Individual tactile surface warning studs from stainless steel

Individual **tactile surface warning studs** in shape of a truncated cone are made of stainless steel and ensure long lasting stable performance.

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/K1	Ø 35mm	5mm	with pin	23g	stainless steel	stainless steel	AISI/K1-K/35/5
	Ø 35mm	5mm	without pin	20g	stainless steel	stainless steel	AISI/K1/35/5

AISI/K2

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Individual tactile surface warning studs from stainless steel

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AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/K2	Ø 35mm	5mm	with pin	30g	stainless steel	stainless steel	AISI/K2-K/35/5
	Ø 35mm	5mm	without pin	28g	stainless steel	stainless steel	AISI/K2/35/5
	Ø 35mm	3,5mm	with pin	27g	stainless steel	stainless steel	AISI/K2-K/35/3,5
	Ø 35mm	3,5mm	without pin	26g	stainless steel	stainless steel	AISI/K2/35/3,5
	Ø 25mm	5mm	with pin	16g	stainless steel	stainless steel	AISI/K2-K/25/5
	Ø 25mm	5mm	without pin	15g	stainless steel	stainless steel	AISI/K2/25/5
	Ø 25mm	3,5mm	with pin	13g	stainless steel	stainless steel	AISI/K2-K/25/3,5
	Ø 25mm	3,5mm	without pin	12g	stainless steel	stainless steel	AISI/K2/25/3,5

AISI/KH

Individual tactile surface warning studs from stainless steel

Individual **tactile surface warning studs** in shape of a truncated cone are made of stainless steel and ensure long lasting stable performance.

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KH	Ø 35mm	5mm	with pin	30g	stainless steel	stainless steel	AISI/KH-K/35/5
	Ø 35mm	5mm	without pin	28g	stainless steel	stainless steel	AISI/KH/35/5
	Ø 35mm	3,5mm	with pin	27g	stainless steel	stainless steel	AISI/KH-K/35/3,5
	Ø 35mm	3,5mm	without pin	26g	stainless steel	stainless steel	AISI/KH/35/3,5
	Ø 25mm	5mm	with pin	16g	stainless steel	stainless steel	AISI/KH-K/25/5
	Ø 25mm	5mm	without pin	15g	stainless steel	stainless steel	AISI/KH/25/5
	Ø 25mm	3,5mm	with pin	13g	stainless steel	stainless steel	AISI/KH-K/25/3,5
	Ø 25mm	3,5mm	without pin	12g	stainless steel	stainless steel	AISI/KH/25/3,5

AISI/KS1

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Individual tactile surface warning studs from stainless steel and with screw

Individual **tactile surface warning studs** in shape of a truncated cone are made of stainless steel and ensure long lasting stable performance.

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KS1	Ø 35mm	5mm	with screw	30g	stainless steel	stainless steel	AISI/KS1-35/5
	Ø 35mm	3,5mm	with screw	27g	stainless steel	stainless steel	AISI/KS1-35/3,5
	Ø 25mm	5mm	with screw	16g	stainless steel	stainless steel	AISI/KS1-25/5
	Ø 25mm	3,5mm	with screw	13g	stainless steel	stainless steel	AISI/KS1-25/3,5

AISI/KP

Individual tactile surface warning studs from stainless steel with plastic filling

Individual **tactile surface warning studs** in shape of a truncated cone are made of stainless steel and ensure long lasting stable performance.

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS WITH PLASTIC FILLING

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KP	Ø 35mm	5mm	with pin	30g	stainless steel	●	AISI/KP-BL-K/35/5
	Ø 35mm	5mm	without pin	28g	stainless steel	●	AISI/KP-BL/35/5
	Ø 35mm	3,5mm	with pin	27g	stainless steel	●	AISI/KP-BL-K/35/3,5
	Ø 35mm	3,5mm	without pin	26g	stainless steel	●	AISI/KP-BL/35/3,5
	Ø 25mm	5mm	with pin	16g	stainless steel	●	AISI/KP-BL-K/25/5
	Ø 25mm	5mm	without pin	15g	stainless steel	●	AISI/KP-BL/25/5
	Ø 25mm	3,5mm	with pin	13g	stainless steel	●	AISI/KP-BL-K/25/3,5
	Ø 25mm	3,5mm	without pin	12g	stainless steel	●	AISI/KP-BL/25/3,5

AISI/KP

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AISI–LINE /INDIVIDUAL TACTILE SURFACE WARNING STUDS WITH PLASTIC FILLING

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KP	Ø 35mm	5mm	with pin	30g	stainless steel		AISI/KP-GR-K/35/5
	Ø 35mm	5mm	without pin	28g	stainless steel		AISI/KP-GR/35/5
	Ø 35mm	3,5mm	with pin	27g	stainless steel		AISI/KP-GR-K/35/3,5
	Ø 35mm	3,5mm	without pin	26g	stainless steel		AISI/KP-GR/35/3,5
	Ø 25mm	5mm	with pin	16g	stainless steel		AISI/KP-GR-K/25/5
	Ø 25mm	5mm	without pin	15g	stainless steel		AISI/KP-GR/25/5
	Ø 25mm	3,5mm	with pin	13g	stainless steel		AISI/KP-GR-K/25/3,5
	Ø 25mm	3,5mm	without pin	12g	stainless steel		AISI/KP-GR/25/3,5

AISI/KP

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS WITH PLASTIC FILLING

MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KP	Ø 35mm	5mm	with pin	30g	stainless steel		AISI/KP-RE-K/35/5
	Ø 35mm	5mm	without pin	28g	stainless steel		AISI/KP-RE/35/5
	Ø 35mm	3,5mm	with pin	27g	stainless steel		AISI/KP-RE-K/35/3,5
	Ø 35mm	3,5mm	without pin	26g	stainless steel		AISI/KP-RE/35/3,5
	Ø 25mm	5mm	with pin	16g	stainless steel		AISI/KP-RE-K/25/5
	Ø 25mm	5mm	without pin	15g	stainless steel		AISI/KP-RE/25/5
	Ø 25mm	3,5mm	with pin	13g	stainless steel		AISI/KP-RE-K/25/3,5
	Ø 25mm	3,5mm	without pin	12g	stainless steel		AISI/KP-RE/25/3,5

AISI/KP

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tactile solution

AISI–LINE / INDIVIDUAL TACTILE SURFACE WARNING STUDS WITH PLASTIC FILLING							
MODEL	DIAMETER	HEIGHT	PRODUCT	WEIGHT	MATERIAL	COLOUR	PRODUCT CODE
AISI/KP	Ø 35mm	5mm	with pin	30g	stainless steel		AISI/KP-YE-K/35/5
	Ø 35mm	5mm	without pin	28g	stainless steel		AISI/KP-YE/35/5
	Ø 35mm	3,5mm	with pin	27g	stainless steel		AISI/KP-YE-K/35/3,5
	Ø 35mm	3,5mm	without pin	26g	stainless steel		AISI/KP-YE/35/3,5
	Ø 25mm	5mm	with pin	16g	stainless steel		AISI/KP-YE-K/25/5
	Ø 25mm	5mm	without pin	15g	stainless steel		AISI/KP-YE/25/5
	Ø 25mm	3,5mm	with pin	13g	stainless steel		AISI/KP-YE-K/25/3,5
	Ø 25mm	3,5mm	without pin	12g	stainless steel		AISI/KP-YE/25/3,5

APPLICATIONS

of tactile surface warning studs

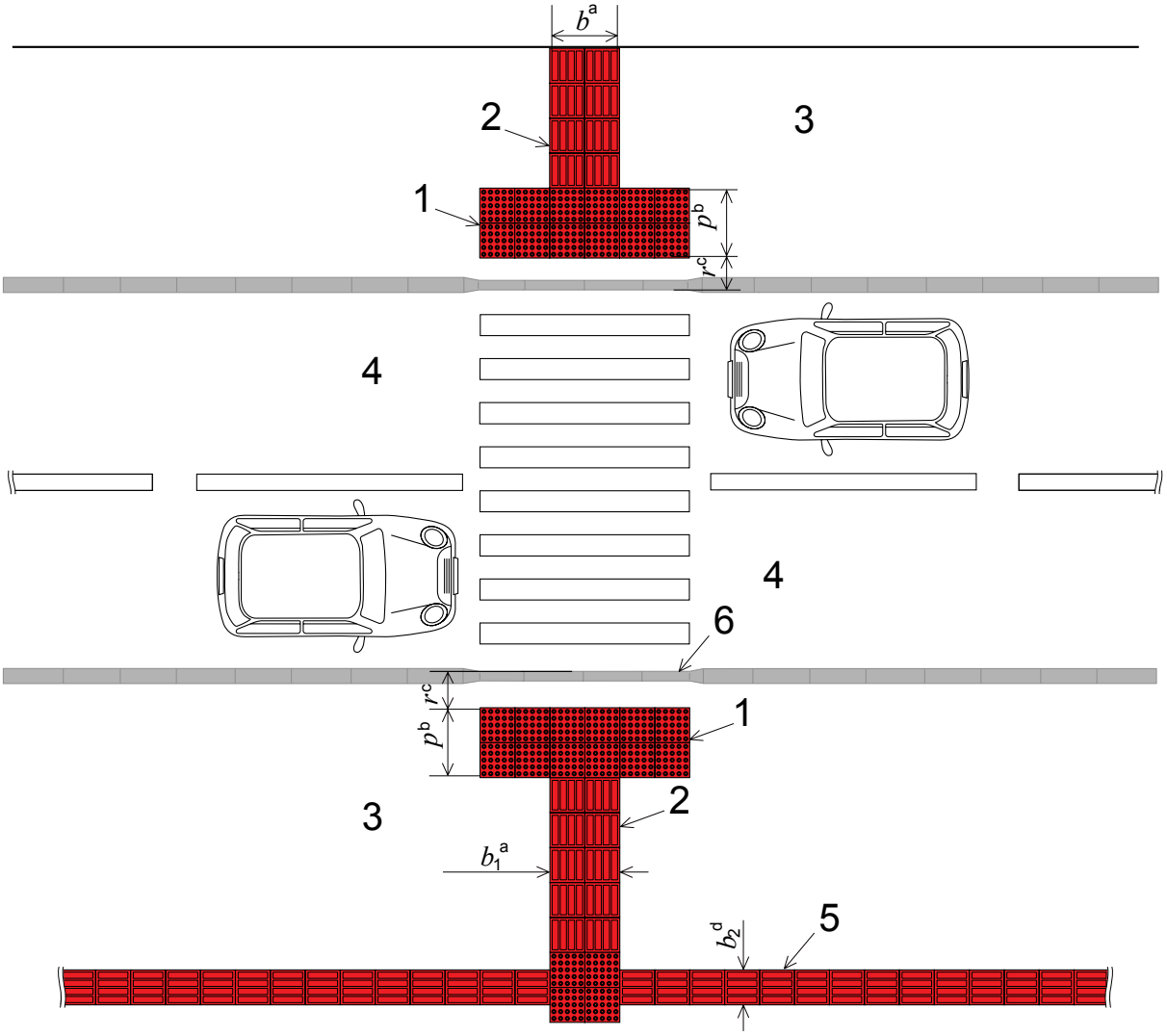
Versatile and flexible
Enormous variability and flexibility of individual tactile surface warning studs means that they can be easily fitted into almost any construction without limitation of creative design and architecture. Whether used in new or old constructions, they work exactly the same way

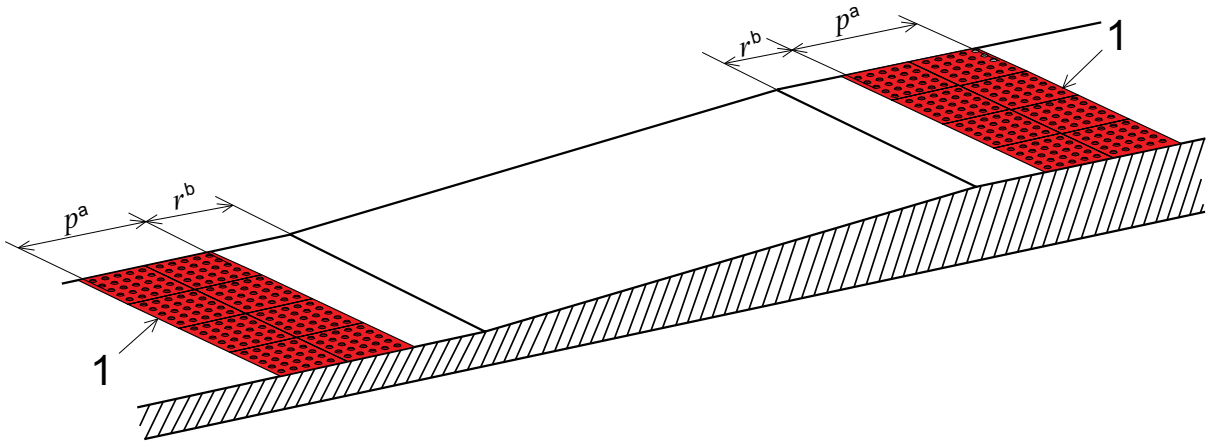
According to the law
against discrimination of the blind and visually impaired, it is required to ensure the placement of tactile **surface warning studs** in internal and external areas open to the public.

Individual tactile surface warning studs are placed on the top and bottom of each arm of the stairs, on ramps in front of escalators, on each side of pedestrian crossings, along platforms of public transport (such as bus stops, train platforms, subway...), sea and river transport and in all areas, which are described in your country's ordinance.

Tactile surface warning studs are installed on any surface such as: wood, marble, granite, asphalt, concrete, tile, PVC materials and other substrates, according to your country's ordinance.

APPLICATIONS





APPLICATIONS

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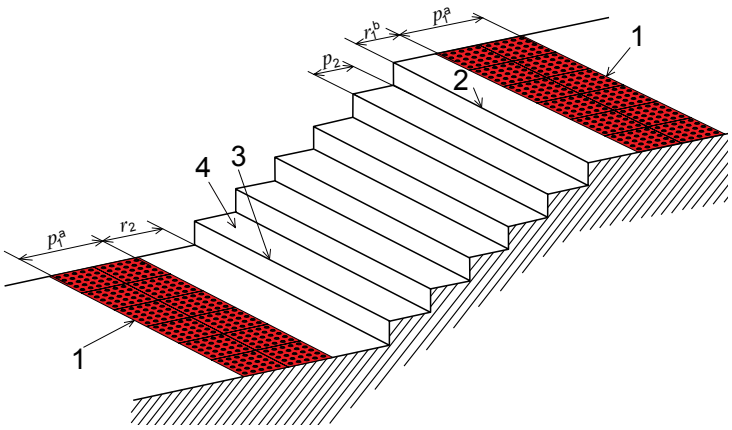
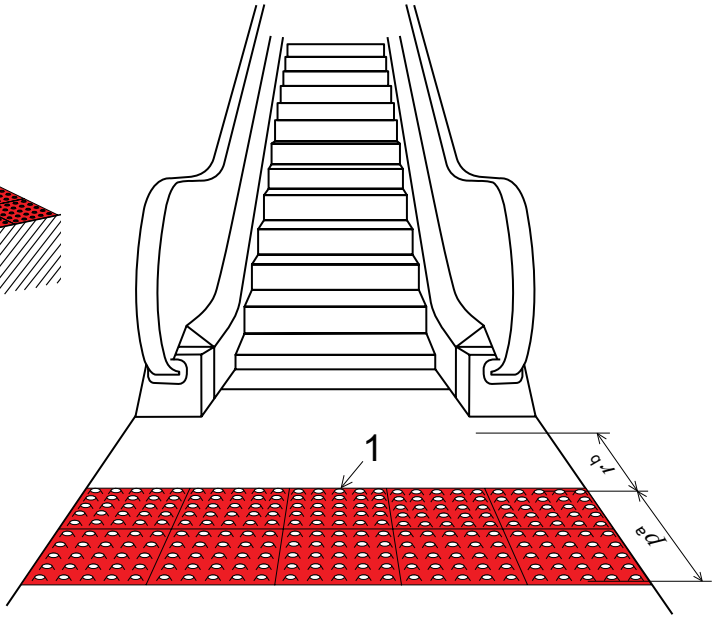
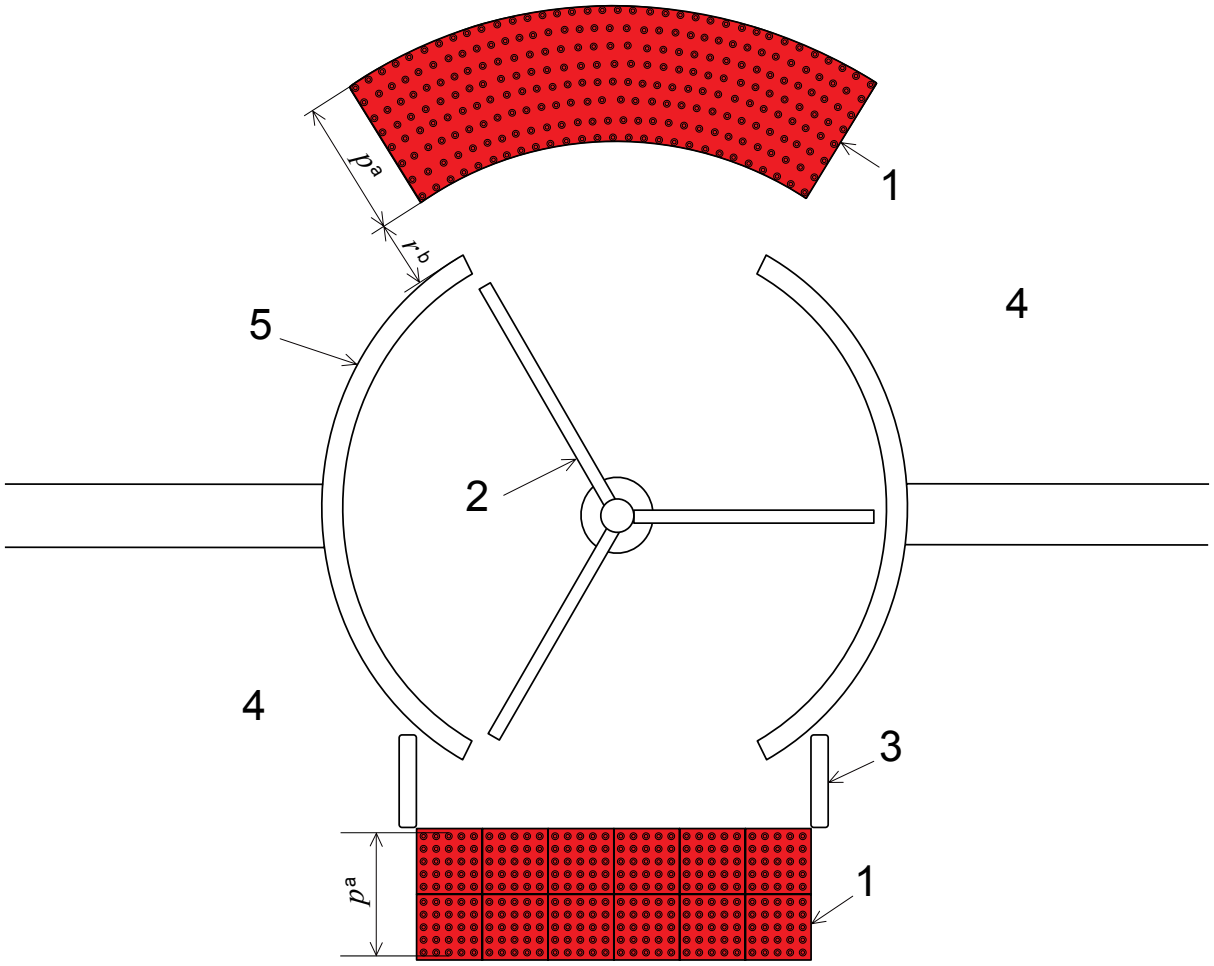






TECHNICAL PARAMETERS

OLEJAR tactile solution

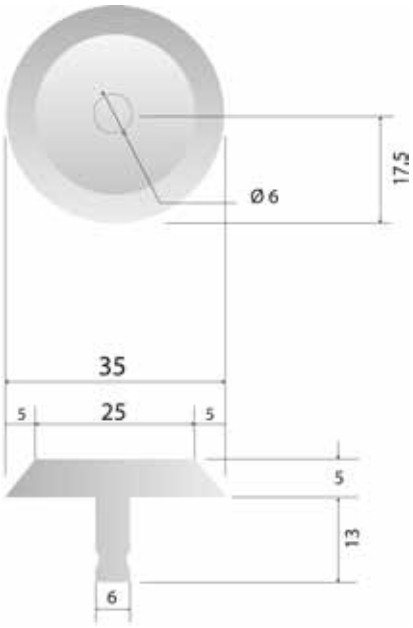
They are designed to meet international and European standards.

/Individual surface warning studs are produced with the following dimensions/:

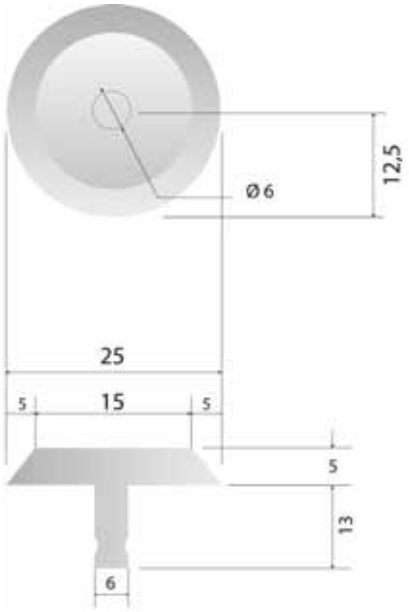
ISO 23599

Individual tactile surface warning studs from stainless steel with pin

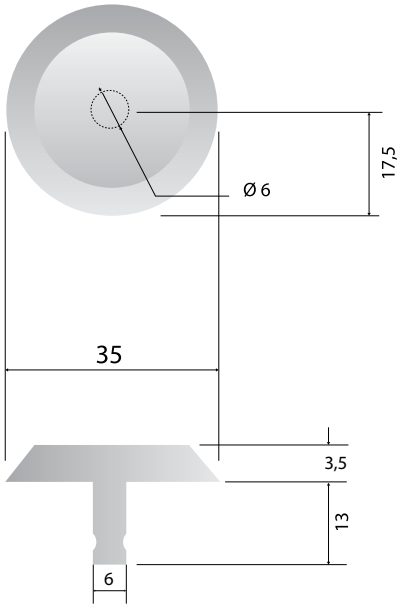
1. AISI-KD-K/35/5 AISI-KH-K/35/5 AISI-K1-K/35/5 AISI-K2-K/35/5 AISI-KP-K/35/5



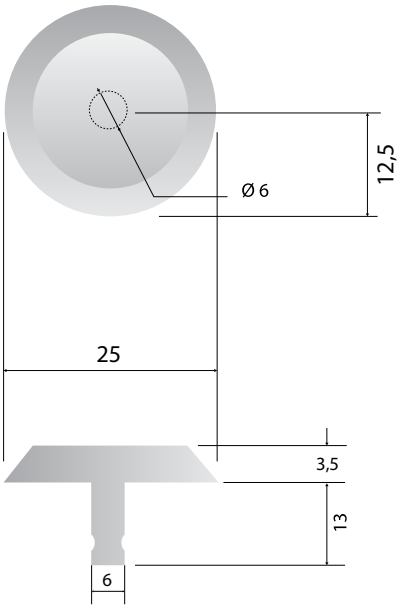
2. AISI-KH-K/25/5 AISI-K1-K/25/5 AISI-K2-K/25/5 AISI-KP-K/25/5



1. AISI-KH-K/35/3,5 AISI-K1-K/35/3,5 AISI-K2-K/35/3,5 AISI-KP-K/35/3,5



2. AISI-KH-K/25/3,5 AISI-K1-K/25/3,5 AISI-K2-K/25/3,5 AISI-KP-K/25/3,5



MATERIAL: stainless steel

INSTALLATION: drilling/sticking

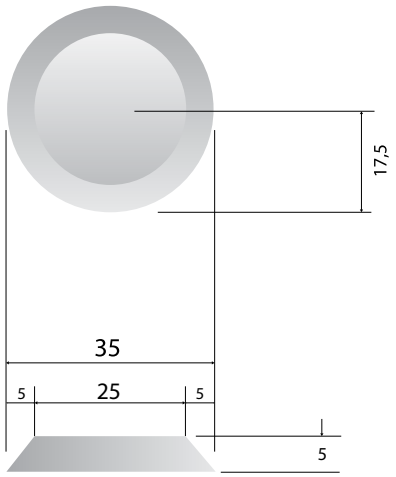
TECHNICAL PARAMETERS

OLEJAR tactile solution

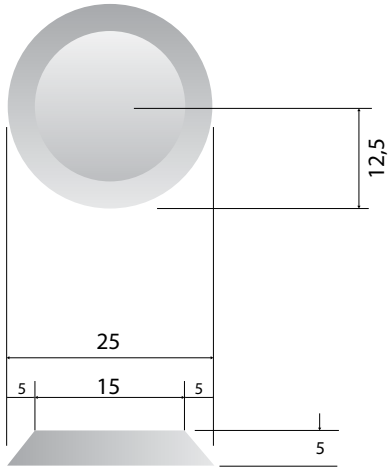
ISO 23599

Individual tactile surface warning studs from stainless steel without pin

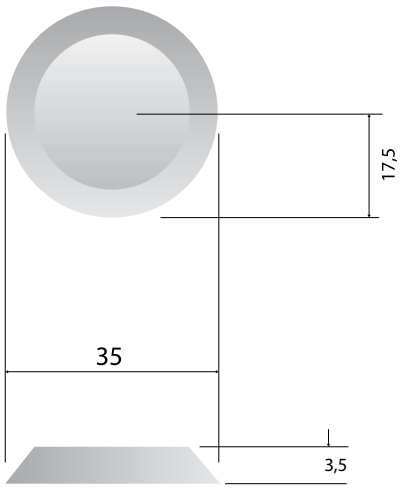
1. **AISI-KD/35/5 AISI-KH/35/5 AISI-K1/35/5 AISI-K2/35/5 AISI-KP/35/5 AISI-KS1/35/5**



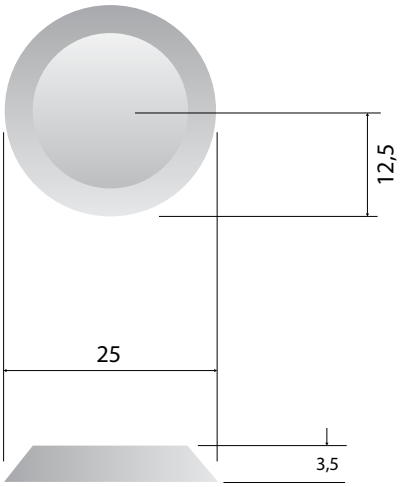
2. **AISI-KH/25/5 AISI-K1/25/5 AISI-K2/25/5 AISI-KP/25/5 AISI-KS1/25/5**



1. **AISI-KH/35/3,5 AISI-K1/35/3,5 AISI-K2/35/3,5 AISI-KP/35/3,5 AISI-KS1/35/3,5**



2. **AISI-KH/25/3,5 AISI-K1/25/3,5 AISI-K2/25/3,5 AISI-KP/25/3,5 AISI-KS1/25/3,5**



MATERIAL: stainless steel

INSTALLATION: sticking

OLEJAR
tactile solution

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