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Product data sheet Plough-resistant Reflecting Road Stud

ŚNIEŻKA-2 Low Profile (S-2 Low Profile)



1. Technical information S-2 Low Profile

Product name	S-2 Low Profile
Type of product	Plough-resistant. High mechanical impact resistance.
Technical specification - Reflector	
Type of reflector	P3A (R1- R3) protected against wear by abrasion
Reflected light luminance factor	300 mcd/lux - 350 mcd/lux
Conformance with standard	EN 1463-1:2009
Type of legal protection	Patent No. P 402771 the Patent Office of Republic of Poland
Colour of double sided reflector	<ul style="list-style-type: none">• white-white• white-red• yellow-yellow• green-green• blue-blue• other colours on request
Colour of one sided reflector	<ul style="list-style-type: none">• white, red• yellow• green• blue• other colours on request
Material	Polymer with fibreglass
Temperature resistance	From -30°C up to + 115°C
Compression resistance	> 180 kN
Technical specification - Cast iron cover	
Shape	Flat mushroom-shaped
Gross weight of iron cover with a reflective insert	2,7 kg
Height (above the road)	11 mm
Depth (under the road)	30 mm

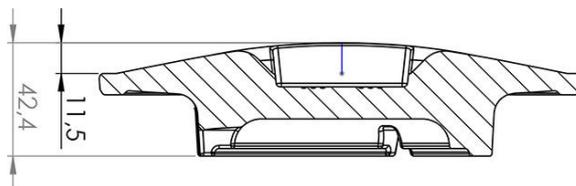
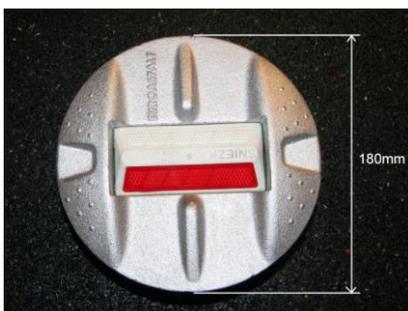
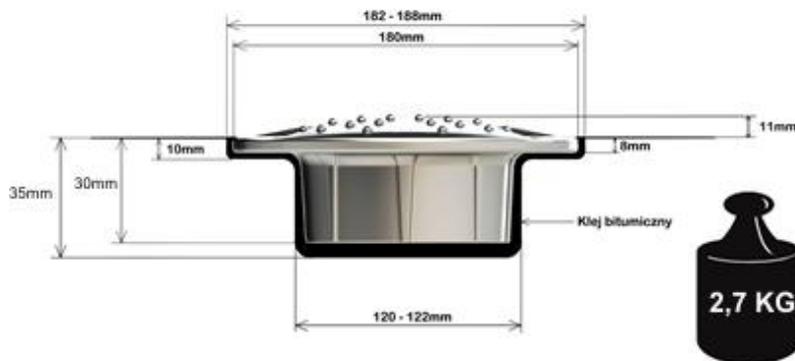


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Diameter (the part above the road)	180 mm
Diameter (the part under the road)	112 - 120 mm (cone)
Compression resistance	>300 kN
Cast iron cover lifespan	10 years
Installation guidelines	
Tools	Milling machine with a special shaped cutter mounted on a trailer or small portable water-cooled drilling equipment
Higher slot diameter	182 (max 188 mm)
Lower slot diameter	120 (max 126 mm)
Higher slot depth	10 mm
Lower slot depth	35 mm
Installation in asphalt surface	Bitumen adhesive in temp.160 - 180°C
Adhesive consumption	Up to 0,45 kg
Installation in concrete road surface (dry)	Epoxy or polyurethane adhesive (cold).
Reflective insert replacement	On-site replacement by unscrewing the interlock*)

Note:

*) Applicable to products on sale after 30.05.2017



2. Product advantages

S-2 Low Profile is a reflective road stud of the Sniezka group (plough-resistant) equipped



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with cast iron cover. Its main advantages are:

- high cast iron cover resistance against wear by abrasion and ploughs in winter time,
- high reflector resistance against wear by abrasion caused by tires,
- self-cleaning system activated during rainfall. S-2 Low Profile does not collect water, ice or dirt in front of the reflector as it has a 0,2 % run-off,
- anti-slip protection for single-tracks vehicles such as motorcycles,
- gentle ramp for the wheels of vehicles as well as road maintenance machines (for instance ploughs) at each side which guarantees trouble-free driving,
- “alert” system acting as acoustic warning when crossing the road marking line.

3. Recommendations

S-2 Low Profile is recommended for the marking of main and regional roads with heavy traffic (of over 10,000 vehicles a day), specifically:

- dangerous curves with poor visibility (horizontal and vertical),
- fading traffic lanes, possibly accompanied by areas closed to traffic,
- speed bumps,
- islands,
- separators.