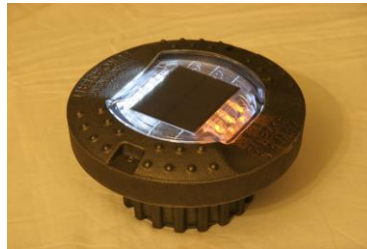




Product data sheet
Active Plough-resistant Reflecting Road Stud

ŚNIEŻKA- 4 MAX (S-4 MAX)



1. Technical information S-4 MAX

Product name	S-4 Max
Type of product	PEO Plough-resistant. High mechanical impact resistance.
Technical specification - Reflector and light-emitting diode	
Type of reflector	Reflective foil (3M) I or II generation
Conformance with standard	EN 1463-1 : 2009
Light conformance with standard	National Technical Approval No. AT/2016-02-3306
Number of LEDs	3 at the front + 3 at the back
Reflected light luminance factor	PRP1>250mcd/lux
LED light visibility	min. 150 m
LED beam horizontal angle	max 60° (optionally 15°, 30° and 40°)
Photovoltaic Panel (PVP)	Polycrystalline
PVP lifespan	Up to 9 000 cycles / 25 years
Automatic LED Activation System (ALAS)	Automatic by 30 lux daylight
Type of battery	Akku Eneloop 1,2 V 2000 mAh 1 lub 2 pcs
Charging time	45 min
Operation time	380 h with 1 piece
Temperature resistance	From -35°C up to + 135°C
Tightness	IP 68
Material	High-impact colourless PC
Compression resistance	> 250 kN
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



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	<ul style="list-style-type: none"> • green • blue • other colours on request without certificate
Technical specification - Top and bottom cast iron cover	
Shape	Flat mushroom-shaped
Gross weight including electronic insert	4,5 kg
Height (above the road)	15 mm
Depth (under the road)	82 mm
Diameter (the part above the road)	180 mm
Diameter (the part under the road)	108 - 112 mm (cone)
Compression resistance	>250 kN
Cast iron cover lifespan	10 years
Installation guidelines	
Tools	Milling machine with a special shaped cutter mounted on a trailer or small portable drilling equipment with a water pump
Higher slot diameter	182 (max.188 mm)
Lower slot diameter	116 (max.122 mm)
Higher slot depth	27 mm
Lower slot depth	85 mm
Installation in asphalt surface	Bitumen adhesive in temp.160 - 180°C
Adhesive consumption	Up to 0,55 kg
Installation in concrete road surface	Epoxy or polyurethane adhesive (cold).
Insert and battery replacement	On-site replacement by unscrewing the cover with a special key after releasing the locking



2. Product advantages

S-4 Max is an active road stud with LED lights of the Sniezka group (plough-resistant)



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equipped with cast iron cover. Its main advantages are:

- high cast iron cover resistance against wear by abrasion and ploughs,
- on-site cover unscrewing when replacing the electronic insert with diodes and battery,
- self-cleaning system activated during rainfall,
- automatic LED Activation System (ALAS) which automatically turns on (sunset) and turns off (sunrise) the LED lights,
- long-lasting LED light up to 380 hours (without battery charging),
- 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,
- “alert” system acting as acoustic warning when crossing the road marking line.

3. Recommendations

S-4 Max is recommended for the marking of highly dangerous main roads and motorways:

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