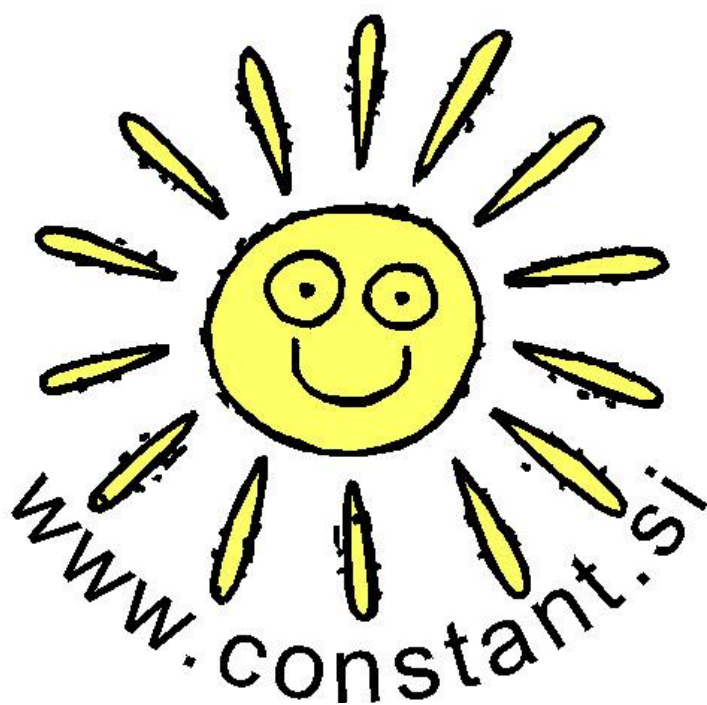




TRAFFIC SAFETY

ELEMENTS





CONSTANT, D.O.O., BLED

Matična št. 55993000

CompanyWall d.o.o., 17.08.2018

With 20 years of experience in the rubber industry, four production plants in Partynia, Przeworsk, Warka and Mielec and highly qualified staff, we manufacture products of the highest quality, which is proven by the ISO 9001:2009, ISO/TS 16949:2009 as well as ISO 14001:2004 quality certificates.

TRAFFIC SAFETY ELEMENTS

On the Polish and European market, we are well-known for our island, panel and speed bump thresholds, bases for signs, traffic cones, separators, asylums and blades for snowploughs. We are continually expanding our offer with new products in partnership with the largest Polish and foreign companies, creating joint ventures aimed at improving safety on our roads.

Another advantage of our products is the fact that they are based on recycled rubber (used tires, waste rubber products), which contributes to the purification of our forests and roadsides.

We hope that the quality of our products, combined with fast and efficient service, will make cooperation with GEYER & HOSAJA a pleasure for you.

RUBBER ROAD SEPARATOR





Rubber road separators are traffic safety elements, used for quick and easy marking of changes and redirection of traffic lanes. The element is made from recycled rubber, and the side panels have reflective tape applied to them - also comes in yellow.

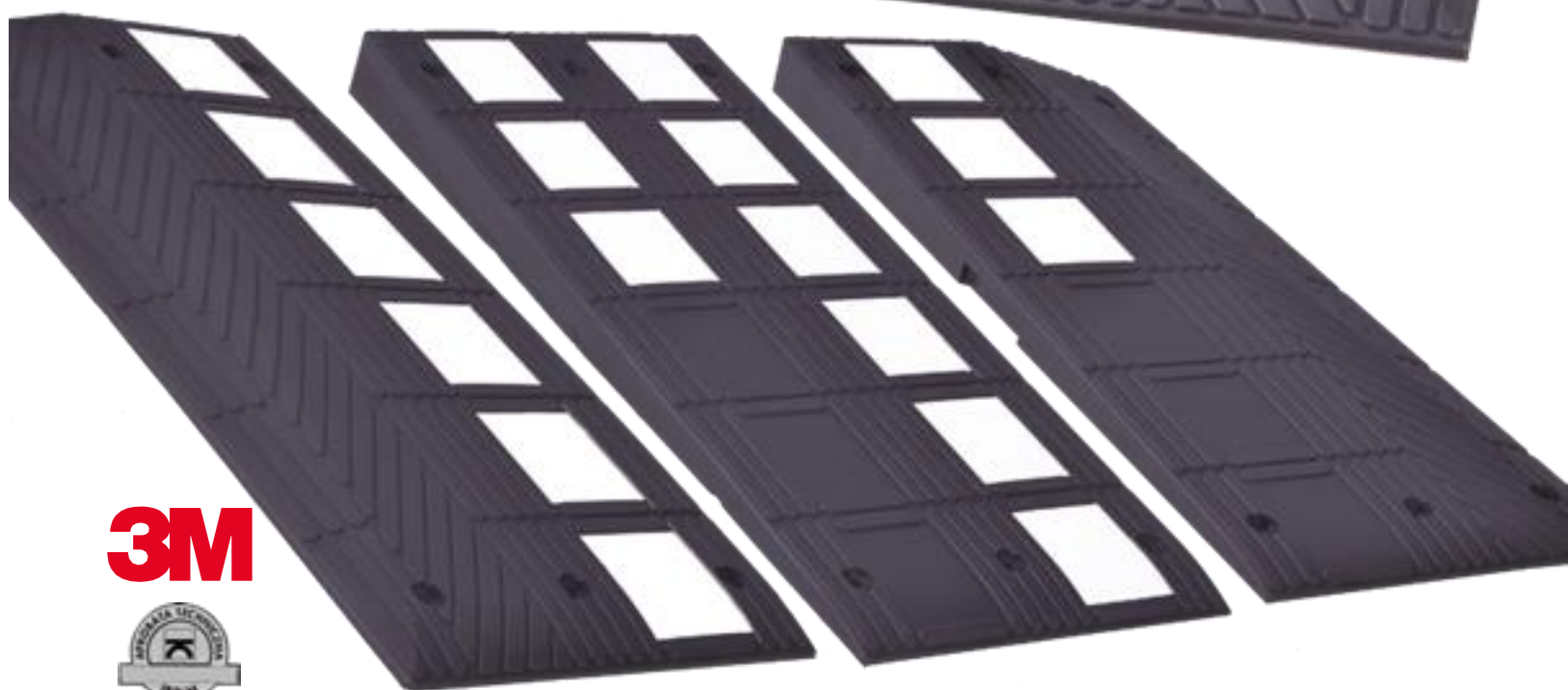
Optional extras:

- U-6 mark on a flexible joint/or PVC
- Reflective "mushroom" element



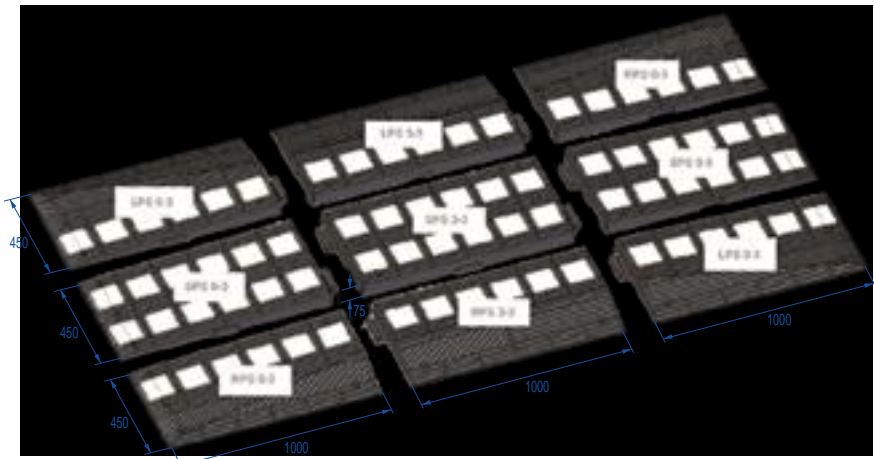
	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective tape	Openings
	Middle element	SD/es ca	240	1130	80	13,5	2	yellow	Ø 45 □ 40x4C □ 60x6C
	Middle element	SD/es/z	240	1130	80	13,5	2	-	Ø 45 □ 40x4C □ 60x6C
	End element	SD/zak	240	1130	80	13,5	2	yellow	Ø 45 □ 40x40 □ 60x60

Tolerance of dimensions and weight +/- 2%









3M





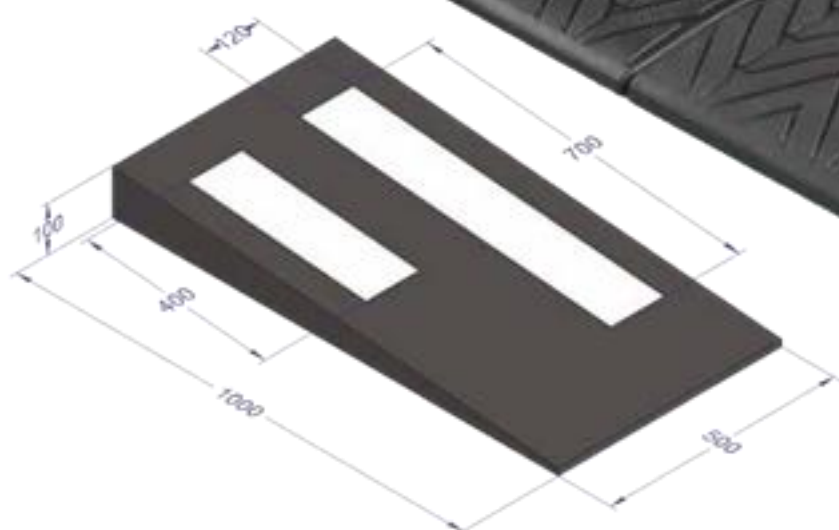
The modular speed ramps system is an original proposition from Geyer & Hosaja. This is a system that permits the building, within a traffic lane, of various systems of linear, panel and island thresholds utilising different elements of vulcanised rubber.

Model 8 cm

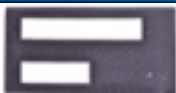

	System modułowy	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
MIDDLE ELEMENT		SPS03	450	1000	0-80	24
		SPS33	450	1000	80	37
LEFT ELEMENT		LPS03	450	1000	0-80	24,5
		LPS33	450	1000	80	34
RIGHT ELEMENT		RPS03	450	1000	0-80	24,5
		RPS33	450	1000	80	34

For each element fixing kit (p.19)

Tolerance of dimensions and weight +/- 2%




3M

	Individual elements	Width (mm)	Length (mm)	Height (mm)	Mounting elements
	Middle SPS 04	500	1000	0-100	4
	Left LPS 04	500	1000	0-100	4
	Right RPS 04	500	1000	0-100	4

For each element fixing kit (p.19)

Tolerance of dimensions and weight +/- 2%



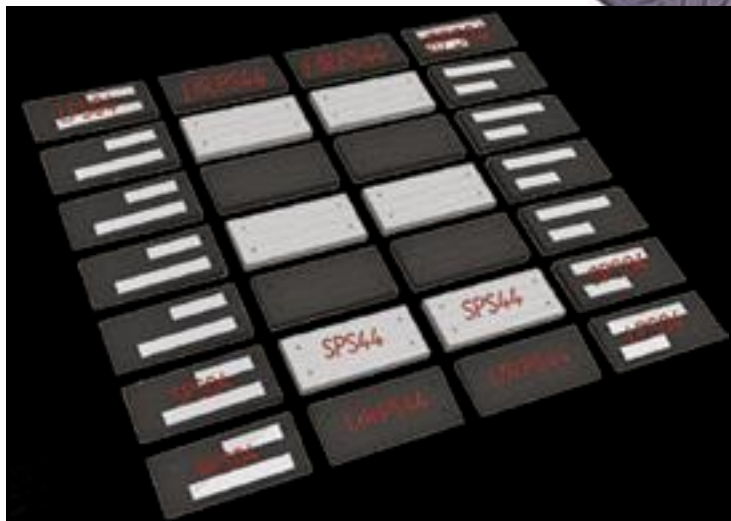
	Individual elements	Width (mm)	Length (mm)	Height (mm)	Mounting elements
	LPS 44	500	1000	0-100	4

For each element fixing kit (p.19)

Tolerance of dimensions and weight +/- 2%



3M



Our modular system is characterised by quick and easy assembly and highly durable elements. The non-slip surface structure meets the European 45SRT standard.

The colour rubber used also allows one to build an elevated rubber threshold pedestrian crossing.

Model 10 cm

	Modular system	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
MIDDLE ELEMENT		SPS04	500	1000	0-100	36
		SPS44	500	1000	100	55
LEFT ELEMENT		LPS04	500	1000	0-100	29
		LSP44	500	1000	100	36
RIGHT ELEMENT		RPS04	500	1000	0-100	29
		RPS44	500	1000	100	36

For each element fixing kit (p.19)

Tolerance of dimensions and weight +/- 2%







RUBBER SPEED BUMPS











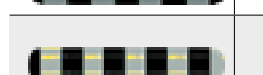



The **rubber speed bump** is a product designed for a wide range of road users who wish to increase the level of safety. Made of rubber in black and yellow. Equipped with a "cat's eye" for increased visibility at night. The material used provides for long-term usage and preservation of colour.

Assembly:

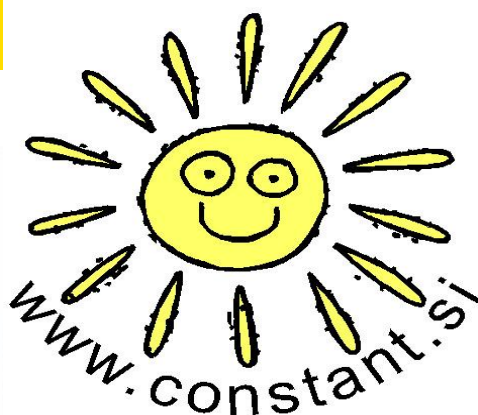
Speed bumps are characterised by simple and quick assembly, the possibility of construction on the roads of various widths for a permanent or temporary period. The openings in the lower part can carry stabilising pipes or, if necessary, electrical wires.

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Cat's eye	Color
	Corner element	LPPZ ca	260	355	55	4	---	black
	Corner element	LPPZ z	260	355	55	4	---	yellow
	Middle element	LPPS ca	260	355	55	4	yes	black
	Middle element	LPPS z	260	355	55	4	yes	yellow

Sample solutions	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Cat's eye	Color
	LPP - Set 2+1	780	355	55	12	---	black yellow
							
	LPP - Set 2+2	1040	355	55	16	---	black yellow
	LPP - Set 2+3	1300	355	55	20	---	black yellow
							
	LPP - Set 2+4	1560	355	55	24	---	black yellow
	LPP - Set 2+5	1820	355	55	28	---	black yellow
							
	LPP - Set 2+6	2080	355	55	32	---	black yellow
	LPP - Set 2+7	2340	355	55	36	---	black yellow
							
	LPP - Set 2+8	2600	355	55	40	---	black yellow

Tolerance of dimensions and weight +/- 2%

RUBBER SPEED RAMPS – LINEAR



The linear speed ramp is one of many projects offered by Geyer & Hosaja that permit the easing of traffic on urban roadways.
The speed bump thresholds are made from rubber - yellow or black color.



	Individual elements	Model	Width	Lenght	Height	Weight	Mounting elements	Reflective elements	Color
	Middle element	D7 LPZ ES	495	940	70	23	6	yellow tape	black
	Corner element	D7 LPZ EK	445	940	70	15	4	---	black
	Middle element	D7 LPZ ES STANDARD	495	895	50	16	6	yellow tape	black
	Corner element	D7 LPZ EK STANDARD	435	895	50	9,5	4	---	black
	Middle element	D5 ES ECO	495	895	50	18,5	6	yellow tape	black
	Corner element	D5 EK ECO	435	895	50	11	4	---	black
	Middle element	D5 ES "PREMIUM"	495	895	50	18,5	6	cat's eye	black/ yellow
	Corner element	D5 EK "PREMIUM"	435	895	50	11	4	---	black
	Middle element	M5 LPZ ES	500	600	50	12	4	yellow tape	black
	Corner element	M5 LPZ EK	350	600	50	6	3	---	black

Mounting el. (screw / dowel / washer)

Sample solutions	Model	Width	Lenght	Height	Weight	Reflective elements	Color
	D7 Kpl 2+1	1385	940	70	63	yellow tape	black
	D5 Kpl 2+1	1365	395	50	35		
	M5 Kpl 2+1	1095	645	50	28		
	D7 Set 2+2	1880	940	70	90	yellow tape	black
	D5 Set 2+2	1860	395	50	54		
	M5 Set 2+2	1590	645	50	42		
	D7 Set 2+4	2870	940	70	144	yellow tape	black
	D5 Set 2+4	2850	895	50	92		
	M5 Set 2+4	2580	645	50	70		
	D7 Set 2+5	3365	940	70	171	yellow tape	black
	D5 Set 2+5	3345	895	50	111		
	M5 Set 2+5	3075	645	50	84		

Tolerance of dimensions and weight +/- 2%






SPEED BUMPS „40” - for a wide range of Road users who want to increase the level of safety. They are made of rubber black and yellow. To improve visibility at night in places with limited visibility can be fitted with cat's-eye reflectors.

Assembly: speed bumps are characterized by easy and fast installation, the possibility of construction of roads of different widths for a permanent or temporary. To ensure good traffic installation is recommended for this special screws for measuring 102x10 (complete with pad and dowel).

Material: vulcanized rubber black or yellow, high-performance and abrasion resistance.

Application: required in areas where the speed limit is associated with a unique road safety: residential road, at gas stations, at shopping centers, parking lots, etc.

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective elements	Color
	Corner element	LPPZ40 ž	250	400	50	1,7	3	---	yellow
	Corner element	LPPZ40 ca	250	400	50	1,7	3	---	black
	Central element	LPPS40 ca	500	400	50	8,5	4	cat's eye	black
	Central element	LPPS ž	500	400	50	8,5	4	cat's eye	yellow

	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Reflective elements*	Color
	LPP40 - Set 1 + 1	500	400	50	3,4	---	black yellow
	LPP40 - Set 2+ 1	1000	400	50	11,9	cat's eye	black yellow
	LPP40 - Set 2 + 2	1500	400	50	20,4	cat's eye	black yellow

Mounting el. (screw / dowel / washer)

Tolerance of dimensions and weight +/- 2%

* - on request

This model of speed bump „LONG” is perfect solution for traffic calming in:

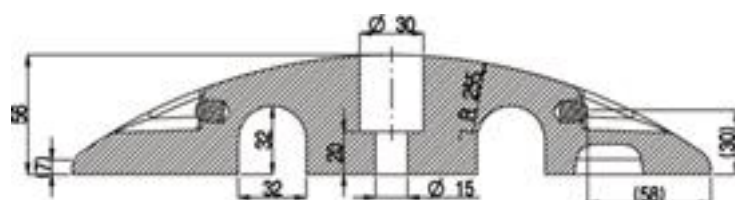
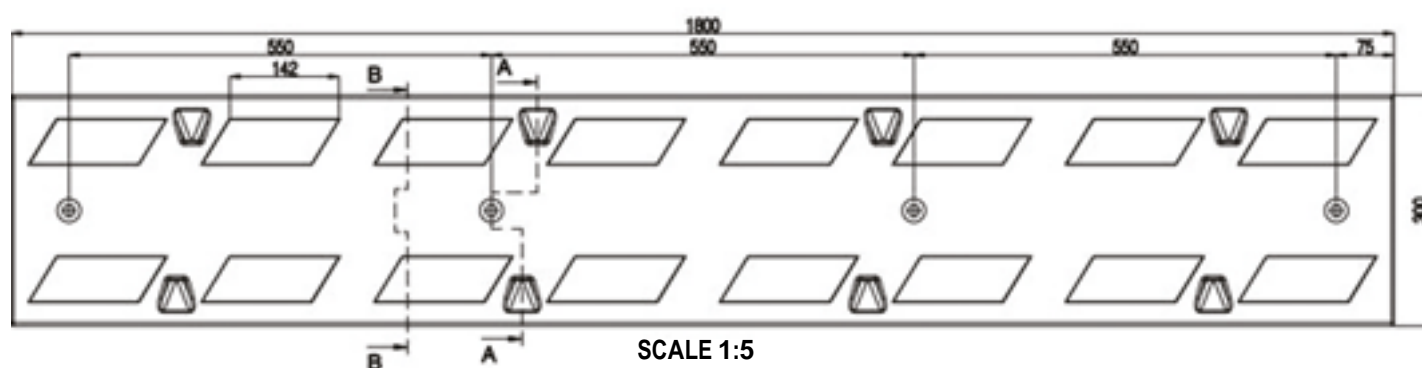
- internal roads,
- parking areas,
- work zones,
- where required speed limit of 10 - 25 km/h e.g. : in school zones, shopping malls, hotels, petrol stations, garages, etc.

Speed bump „LONG” is made of pure vulcanized rubber in black or red color. Is UV resistant and has a high technical parameters to ensure the long-term use.

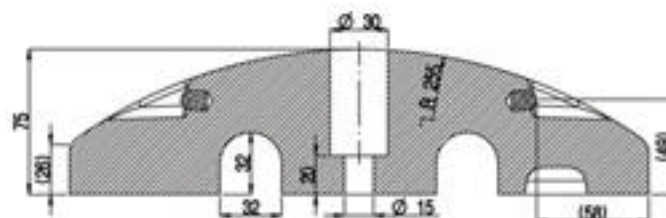
Good visibility at night thanks to the properties of the 3M reflective tape. Additionally is equipped in reflective glass called „Cat's eye” in the amount of 8 pieces.

It is easy to install in asphalt and concrete base.

It is available in two heights of 56 mm and 75 mm.

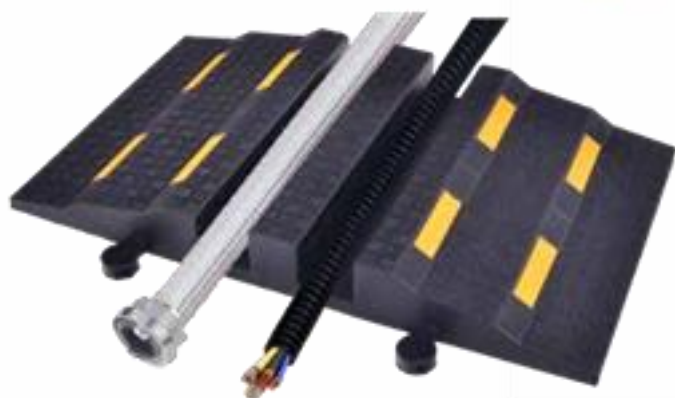
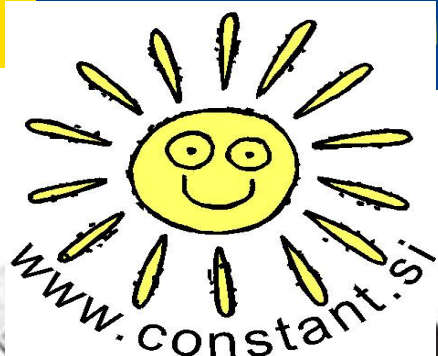


A-A
SCALE 1:2




A-A
SCALE 1:2

CABLE PROTECTOR / PROTECTOR OF FIRE HOSES

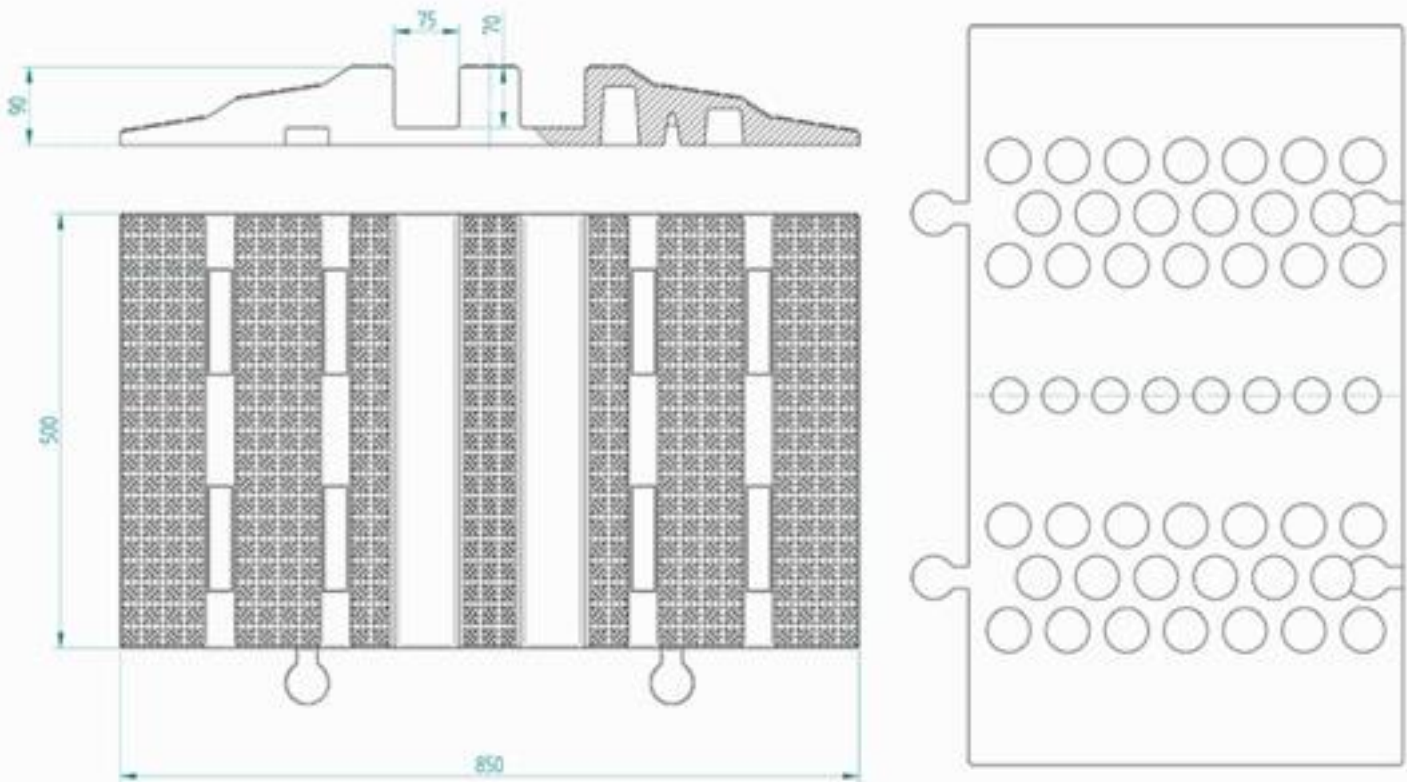


3M



	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Reflective tape	Color
	CPR	500	850	90	31	yellow	black

Tolerance of dimensions and weight +/- 2%



Cable protector / protector of fire hoses is used to protect electrical wires, cables and all kinds of fire hoses.

Cable protector / protector of fire hoses is equipped with practical system to connect a “puzzle” with enables fast and reliable installation of segments of various lengths.

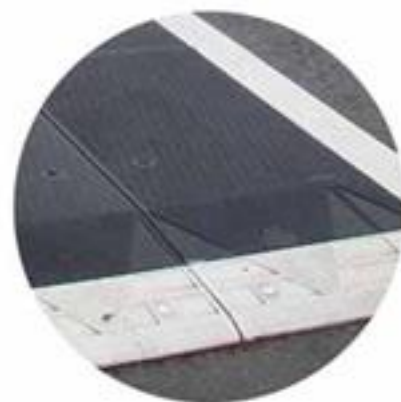
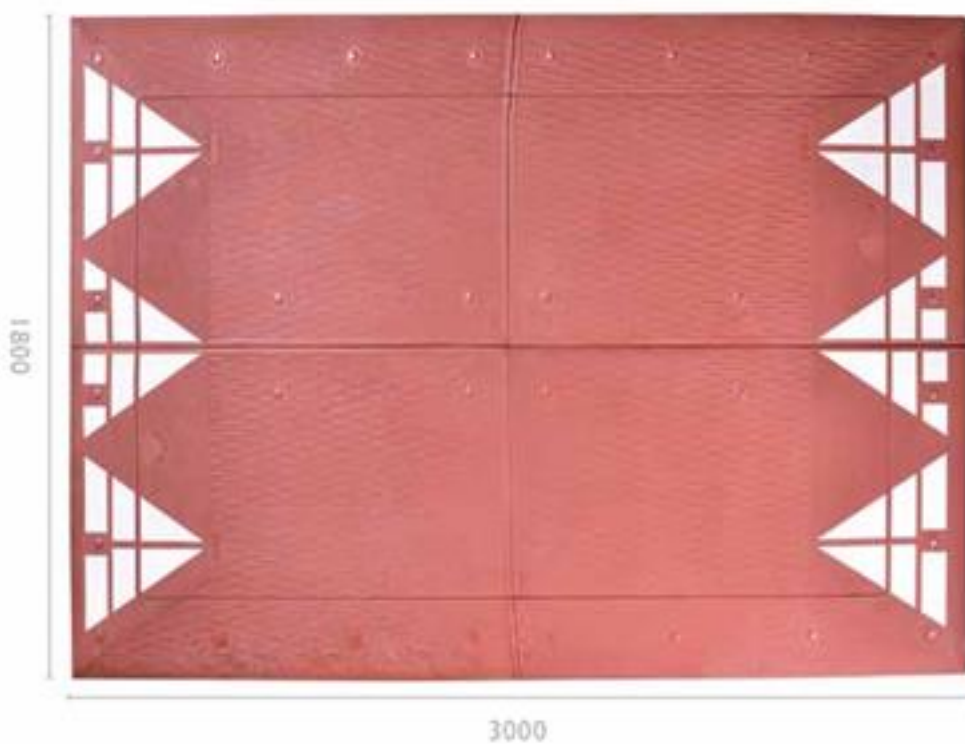
Surface structure of cable protector / protector of fire hoses has non-slip properties.

Thanks 3M reflective tape is highly visible both day and night.

Cable protector / protector of fire hoses is made of vulcanized rubber which is characterized by high flexibility, durability ensuring years of use. Has two channels with dimensions 75x70 [mm]

Applications:

- carrying cables, fire hoses across the street,
- supply cable from the console to the scene at the time of cultural and sports events,
- supply wiring to broadcast vans, etc.



- Made of UV resistant rubber
- Ideal reduction of speed on all roads
- Economical, waterproof, stable
- Consists of 4 elements (2 left and 2 right)
- Easy and quick installation
- The special non-slip surface meets the European SRT 48 standard
- Good visibility even at night thanks to the properties of the reflective 3M tape
- Thanks to the dimensions used, it is particularly user-friendly for public transport; at reduced speeds, buses can comfortably cross the threshold



- Fixing kit:**
- Screw, dowel and washer
 - cover
 - Connecting el. (TT)



DIMENSIONS 1800 x 3000 x 65 [mm]

	Quartet	Material	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Pieces	Color
	Right element - large	rubber	900	1500	65	70	2	red/white or black/white
	Left element - large	rubber	900	1500	65	70	2	

Tolerance of dimensions and weight +/- 2%

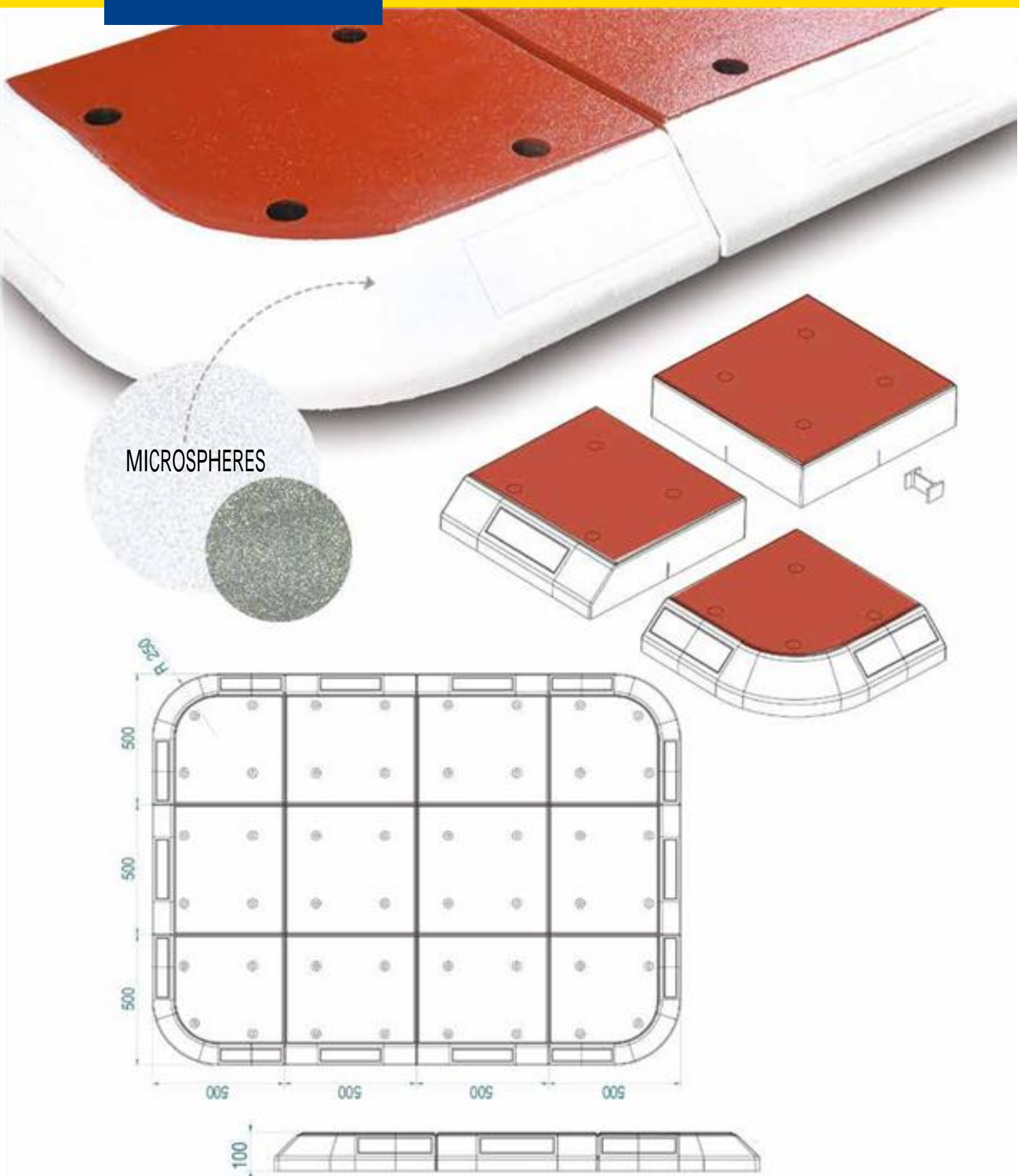
Fixing kit (set)	Fixing element (dowels / screws / washer)	Connecting elements (pcs.)	Cover
	32	10	32

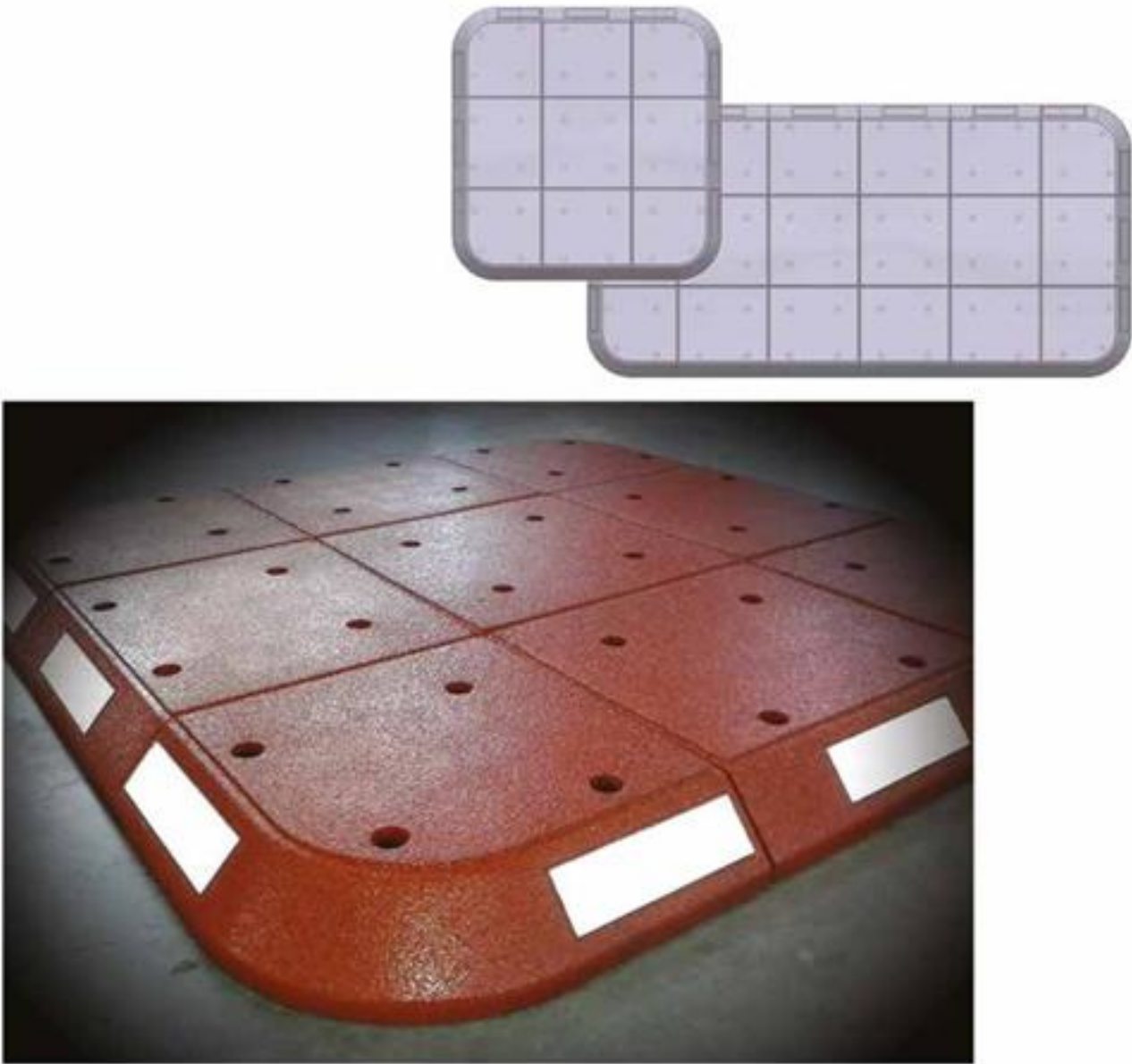
DIMENSIONS 1800 x 2000 x 65 [mm]


	Quartet	Material	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Pieces	Color
	Left element - large	rubber	900	1500	65	70	2	red/white or black/white
	Right element - small	rubber	900	500	65	29	2	

Tolerance of dimensions and weight +/- 2%

Fixing kit (set)	Fixing element (dowels / screws / washer)	Connecting elements (pcs.)	Cover
	26	8	26





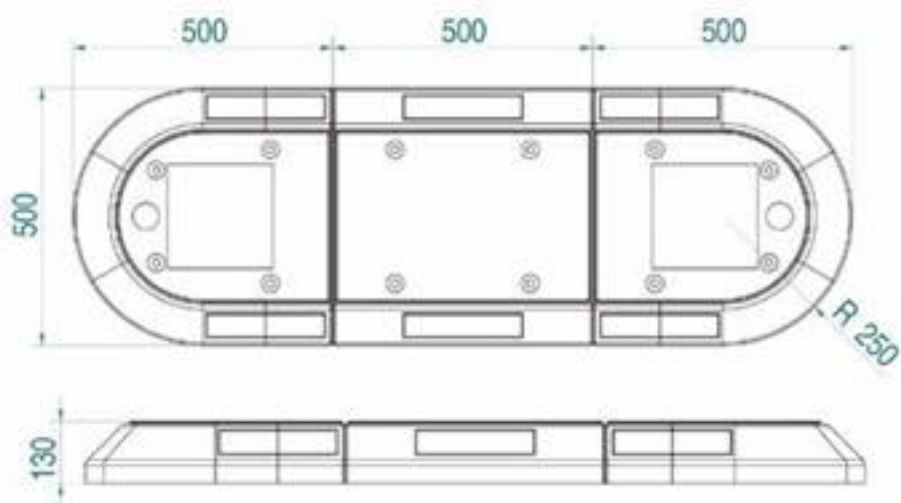
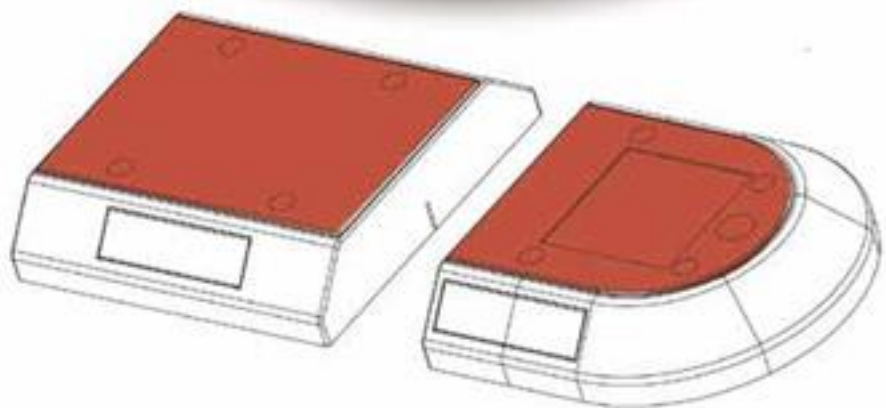
	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective element	Color
	Corner element with 4 assembly holes	ZAN 50	500	500	100	20	4	micro-spheres	red
	Extreme element with 4 assembly holes	ZAS 50	500	500	100	22	4	micro-spheres	red
	Internal element with 4 assembly holes	ZAW 50	500	500	100	23,5	4	--	red

For each element fixing kit (p.19)

Tolerance of dimensions and weight +/- 2%



MICROSPHERES





	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective element	Color
	Corner element	ZAN MINI	500	500	130	3	4	micro-spheres	red or grey
	Internal element	ZAW MINI	500	500	130	5	4	micro-spheres	red or grey

For each element fixing kit (p.19)
Tolerance of dimensions and weight +/- 2%

**3M**

Traffic island Consul is an element of road safety made of rubber granules in a brick-red colour. The applied on the out-skirts is white reflective 3M tape. The elements used allow for the building of islands of various sizes.


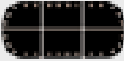





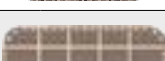



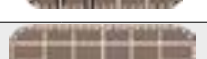
Traffic island Consul is an element characterised by:

- resistance to mechanical damage
- quick and easy installation

Applications:

- in car parks
- for pedestrian crossings
- as an island to separate traffic lanes

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective tape	Color
	Corner element	ZAN	800	800	100	49	4	white	red
	Extreme element	ZAS	400	800	100	26,5	2	white	red
	Internal element	ZAW large	400	800	100	29	2	---	red
	Internal element	ZAW/2	400	400	100	14	2	---	red

Sample solutions	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Reflective tape	Color
	CONSUL - Set 2x2	1600	1600	100	196	white	red
	CONSUL - Set 2x3	1600	2000	100	246	white	red
	CONSUL - Set 2x4	1600	2400	100	304	white	red
	CONSUL - Set 2x5	1600	2800	100	362	white	red
	CONSUL - Set 2x6	1600	3200	100	420	white	red
	CONSUL - Set 3x3	2000	2000	100	318	white	red
	CONSUL - Set 3x4	2000	2400	100	390	white	red
	CONSUL - Set 3x5	2000	2800	100	462	white	red
	CONSUL - Set 3x6	2000	3200	100	534	white	red
	CONSUL - Set 4x4	2400	2400	100	476	white	red
	CONSUL - Set 4x5	2400	2800	100	562	white	red
	CONSUL - Set 4x6	2400	3200	100	648	white	red

Mounting el: screw / dowel / washer (p.19)

Tolerance of dimensions and weight +/- 2%

The chain traffic separator is an element of road safety used for temporary or permanent separation of part of road lane during roadworks. It can be used to change the organization of the movement. Also on the parking lots to the fencing individual areas by traffic. Checks also to wrap the flowerbeds, islands. It is easy and fast to install and allows you to organize very unusual surface shapes even from different angles.

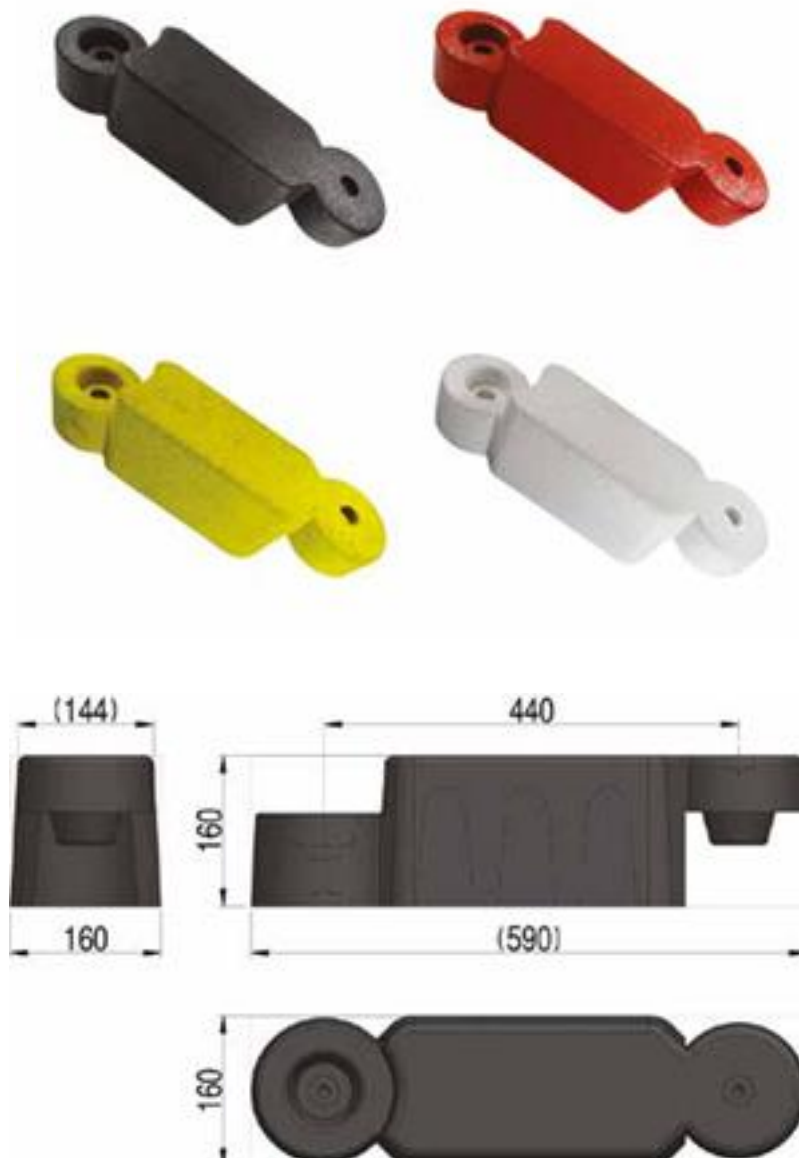
It is made of rubber granulate.

Use it in yellow, black, red and white color.

The material makes it tough, there is no cracking even at low winter temperatures. It is also safe for cars.

Chain traffic separator can be attached permanently to the floor using screws and dowels creating a durable stable structure.





It can be combined in the colors: yellow - black or red-and-white so it is very visible.



The use of chain traffic separator:

- isolation along the roadway the pedestrian area,
- narrowed lane marking, eg. during the renovation,
- the separation of the lanes,
- as a curb strapping irregular shapes of islands,
- emergency lane marking,
- on the parking lots separation areas excluded from the traffic,
- arranging flowerbeds, green islands, flower islands, etc.



	Individual elements	Symbol	Lenght (mm)	Width (mm)	Height (mm)	Weight (kg)	Color	Mounting elements
	Chain separator	SŁ ca	600	160	160	11	black	1 or 2
	Chain separator	SŁ ce	600	160	160	11	red	1 or 2
	Chain separator	SŁ ž	600	160	160	11	yellow	1 or 2
	Chain separator	SŁ b	600	160	160	11	white	1 or 2


Mounting el. (screw/dowel/washer)

Tolerance of dimensions and weight +/- 2%



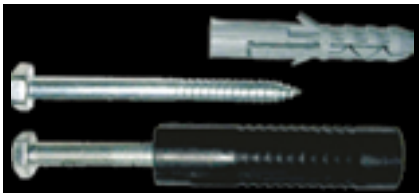
3M

Hol - Separator 70'-120' is an element of road safety used for marking bicycle lanes, separating tramway rail tracks from vehicle lanes, designation of parking spaces, separation of bus bays, etc.

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective tape	Color
	HOL - Separator	SP/70'	150	700	45	4,6	3	white yellow	black red
		SP/120'	150	1200	45	6,2	3		

Mounting el: screw / dowel / washer (p.19)


Tolerance of dimensions and weight +/- 2%



Parking stop – enables precise parking. Protects against damage to other vehicles, destruction of lawns. Optimises use of parking surfaces. Ideal for garages and parking places. Perfectly suited for separation of, e.g., bicycle lanes, guaranteeing safety of cyclists.

The openings provided enable permanent connection to the substrate, asphalt or concrete. Alternatively, they can also be glued.

The reflective 3M tape makes the element highly visible at night.

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Reflective tape	Color
	Parking wheel stop	PS ca PS ce	120	750	100	6	white yellow	black red

Mounting el: screw / dowel / washer (p.19)
Tolerance of dimensions and weight +/- 2%





Parking separator – designed to separate parking spaces.

Facilitates quick and secure car parking. Protects against possible damage to vehicles. Can be attached to walls with appropriate screws.

Use: municipal parking, parking at supermarkets, garages, driveways, etc.

Material: rubber granules and polyurethane.

The reflective 3M tape makes it clearly visible at night. Durable – long-term use. UV resistant.




	Individual elements	Model	Length Width Height (mm)	Weight (kg)	Mounting elements	Reflective tape
	PARKING SEPARATOR	PS/180/ca	1820 x 152 x 102	17	4	white yellow
	PARKING SEPARATOR	PS/90/ca	870 x 152 x 102	8	2	white yellow

Mounting el: screw / dowel / washer (p.19)

Tolerance of dimensions and weight +/- 2%






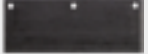
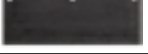
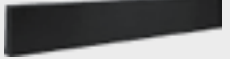




Bases for a road sign are stable and shatterproof elements used to replace load from concrete, sandbags and rims. Made from recycled rubber.
Perfect as elements for verticall marking temporary reorganisation of road traffic.
The bases have various mounting holes adapted to frequently used signs.

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Openings	Color
	Base for road signs (large)	GPD	400	700	110	25	Ø50 □ 40 □ 60	black
	Base for road signs (small)	GPM	380	480	110	12,5	Ø50 □ 60 □ 40	black
	Base for road signs (octagonal)	GPO	400	400	60	7,5 6,5	Ø 50 Ø110	black
	Base for road signs (Scandinavian model)	GPS	400	700	114	15	slot 230x4	black

Tolerance of dimensions and weight +/- 2%



A blend of rubber reinforced with textile cord is used in the production of plough blades, which greatly enhances the product quality by providing good endurance parameters. This permits the product to be utilised for a long time. We supply the largest and best-performing enterprises engaged in road maintenance (80% of all Road Authorities) during the winter and manufacturers of snow removal equipment.

Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)
	P/I	250	520	50	8
	P/II	175,5	725	50	7,5
	P/III	200	522	50	7
	P/IV	175	450	50	4
	P/VI	200	620	50	7
	P/VII	250	3250	40	47
	P/VIII	250	3550	40	43
	P/IX	200	3250	40	31
	PS/I-90	212	900	50	10
	PS/I-120	212	1200	50	15

We also manufacture blades in any dimension.

Tolerance of dimensions and weight +/- 2%

Anti-vegetation plate

Fi 300 mm, hole post U1 or any
Fi 600 mm, hole post U1 or any
500x500x20, post hole U1 or any



Protects against unwanted growth of vegetation along roads, highways, railway lines, airports and the fence or around the pole and road barriers.

Using anti-vegetation mats get rid of the unnecessary weeds and eliminate costly mowing, sometimes over a dozen during a year.

Thanks to the technology used (appropriate density), the water passes through the mats into the earth giving life to microbes.

Weight of the mat makes it remains in place. Special attachment is not required with the exception of airports due to increased security you can use the locking pins.

Used for the production of rubber recycling which contributes to environment protection.

Anti-vegetation mats


Sheet 1000 x 1500 x (10 ; 8 ; 6 mm)



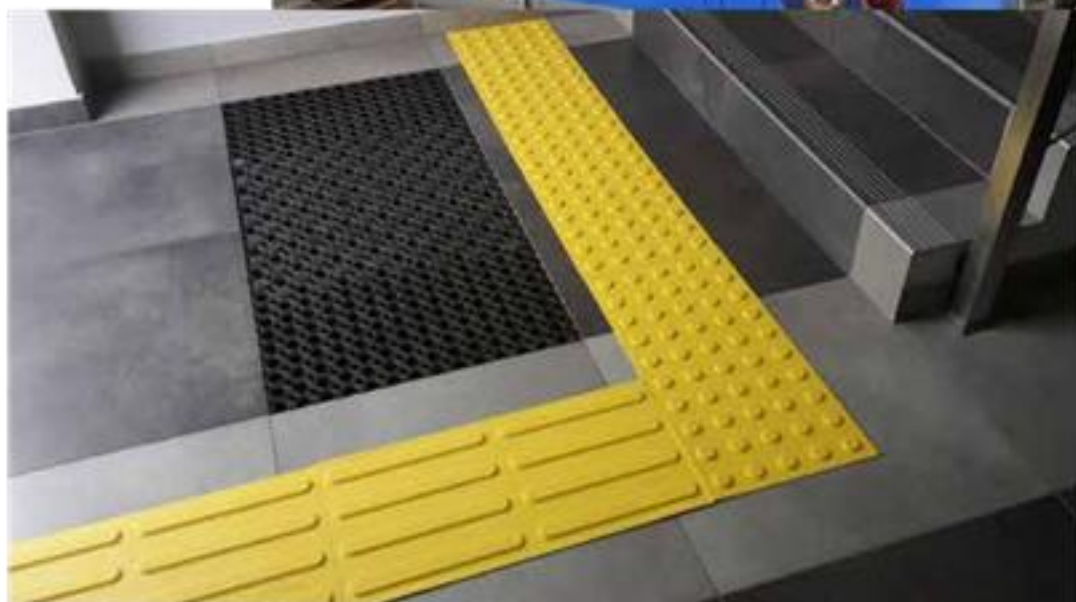


Traffic cones are used, among others, for: marking of vehicle lanes, conducting of short-term or rapid progression works, emergencies, temporary marking of hazardous areas, protection of freshly painted lines along roadways.

Traffic cones are of soft fluorescent PVC plastic in orange.

	Individual elements	Model	Height (mm)	Base (mm)	Weight without downforce (kg)	Weight with downforce (kg)
	Traffic cones	FC70	750	400x400	3	5
	Traffic cones	FC50	500	300x300	1,2	2

Tolerance of dimensions and weight +/- 2%



Rubber plate „Brajl”

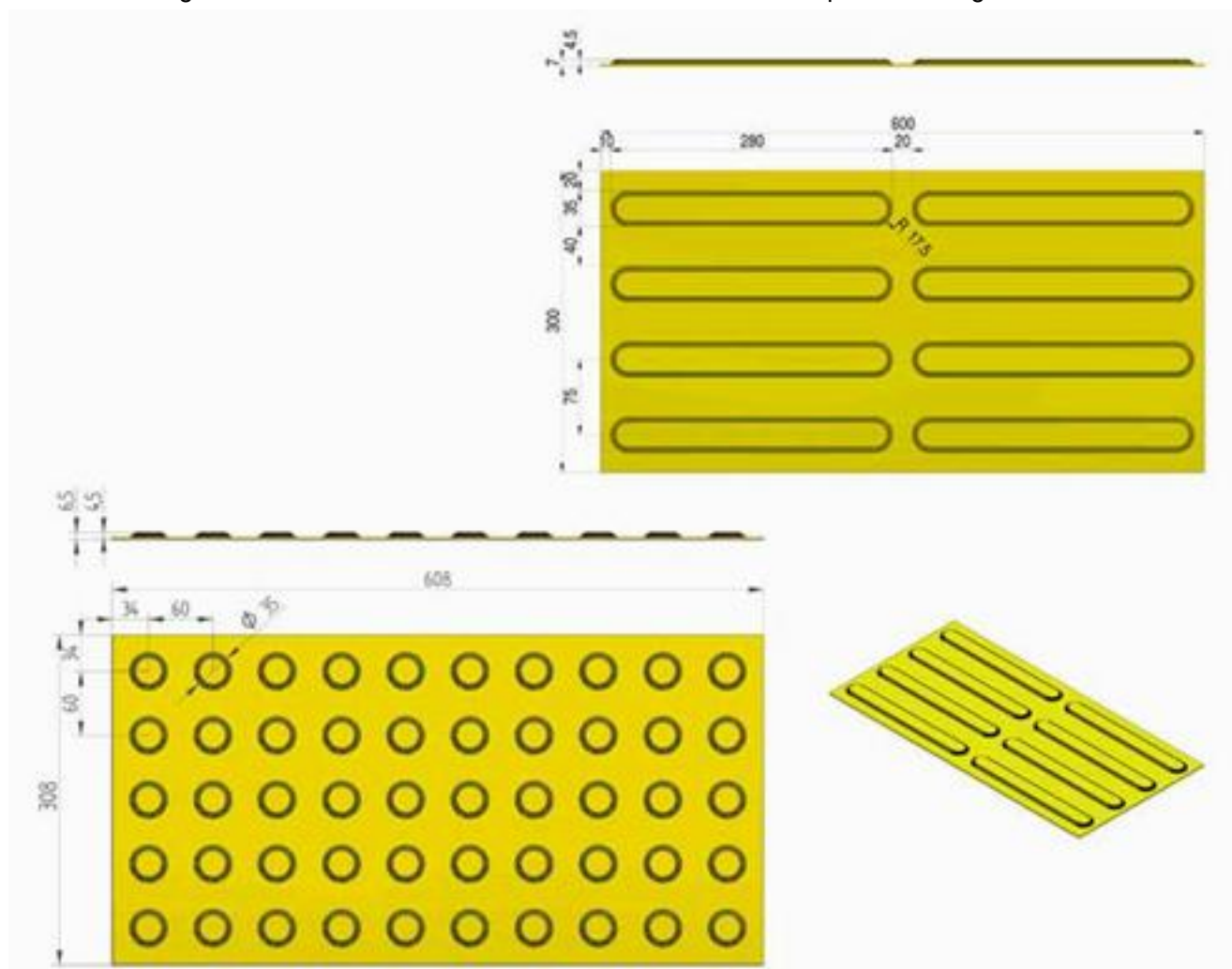
made of vulcanized rubber color, a kind of road markings to facilitate the movement of person with disabilities. „Brajl” plate is an element of road safety for blind people which helps them to safely overcome the obstacles in their way. Advantage of our plate is that it can be installed without interfering with existing pavement. Is flexible of high strength characteristic. To apply it to existing concrete or asphalt surfaces is recommended to use an adhesive polymer.

Our plate is manufactured in sizes: 60cm x 30cm x 0,65 (-0.45)cm.

Structure of the „Brajl” plate are the tabs with the diameter of 35mm and a height of 6.5mm evenly distributed on the surface of the plate at intervals of about 50mm. Colors of our plate is optional but recommended is yellow because it is the most recognizable color of the visually impaired. Used to produce high quality rubber makes our product is extremely durable as to be indelible which is confirmed by the results of technical research and technology. Laboratory experiments have also shown that the „Brajl” plate is resistant to frost, road salt. Our product is characterized by a resistance to aging.

„Brajl” plates are used as warning plates:

- at bus stops
- metro stations
- railway stations
- pedestrian crossings and all elements of the road where the architecture is required warning label for the blind





Thanks the materials used the rubber curb is very flexible along its entire length. This allows one to utilise it on a straight or circular surface. Ideal for the protection of tires in the event of a collision. It can be used to wrap traffic islands or roundabouts. It also works well in tunnels and underground car parks.

The reflective tape used makes it highly visible at night. Features 3 holes for mounting to the substrate.

	Individual elements	Model	Width (mm)	Length (mm)	Height (mm)	Weight (kg)	Mounting elements	Reflective tape	Color
	Elastic curb	EKG ca EKG ce	90	1000	100	7	3	white	black red

Mounting el: screw / dowel / washer (p.19)
Tolerance of dimensions and weight +/- 2%

Constant



Constant d.o.o. Bled, Triglavská cesta 41, 4260 Bled, tel., fax: +386 (0)4 5741 050, m-tel.: 041 649 914, e-mail: constant@telemach.net, www.constant.si



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in mestne opreme!**



**VELIKO
SREČE IN VARNOSTI
V LETU 2016!**

Constant d.o.o. Bled

dir: **Matjaž Pribošič** oec.

Triglavská cesta 41, 4260 Bled
EU Slovenija

Telefon/Fax: 00386 (0)4 5741 050

Mobi: 00386 (0)41 64 99 14

e-mail: constant@telemach.net

website: www.constant.si

