



marabut®

SKI SLOPE EQUIPMENT AND PROTECTION SYSTEMS

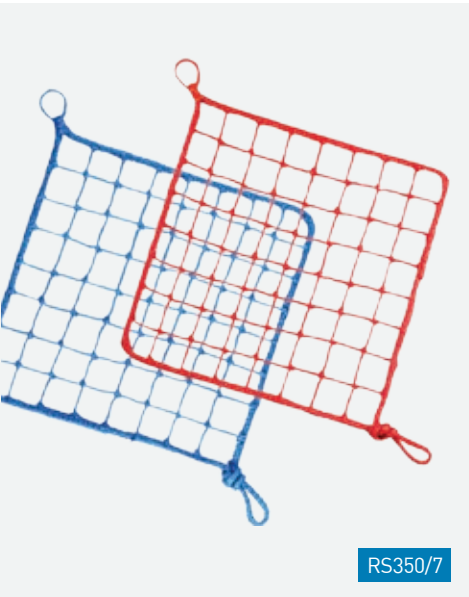
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25 years
on the slopes

Safety Net to ‘catch’ skiers and its steel supports are a Type-A Safety Equipment that meets the stringent FIS requirements.

It is made of polyethylene resistant to UV radiation and reinforced with a circumferentially running load-bearing rope including corner holders.

This A-Safety Net has obtained a CE certificate.



PROTECTION EQUIPMENTS “TYPE A”

symbol	ø rope (mm)	mesh (mm)	material	size (m)
RS350	5	100x100	polietylen	size on request
RS350/7	5	70x70	polietylen	size on request
RS350/5	5	50x50	polietylen	size on request

TYPE-A SAFETY EQUIPMENT SYSTEMS FOR SKI PISTES

The A-Safety Net has to be rigidly stretched at a proper angle and its distance to the structure must be sufficient. The A-Safety Net has to withstand the punch of the rushing skier; its mesh should be 5-7 cm, and the cord diameter should not be smaller than 5 mm.

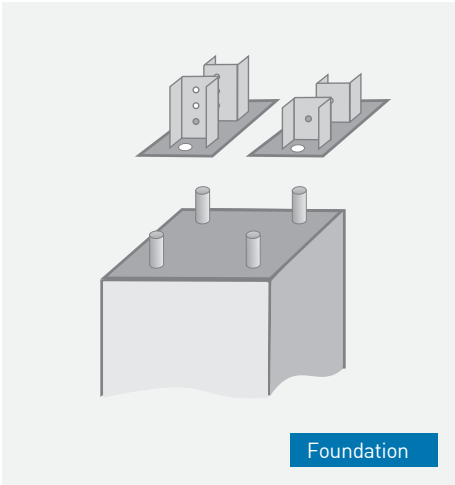
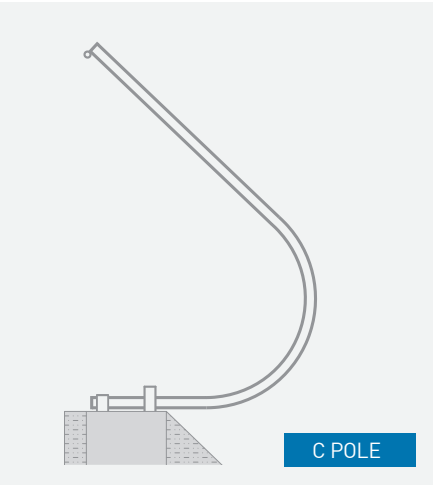
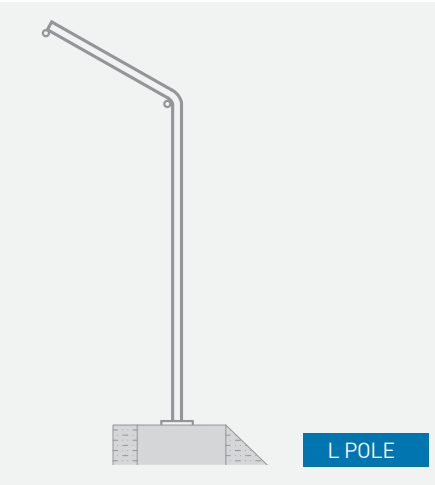
Often, a PVC cloth or a small net of a large basis weight are placed in the bottom part of the Net to guarantee a lower friction force when the skier comes into contact with the net.

Usually, the supports are 4 to 5 m high, and the distance between two supports is 10 – 12 m. Depending on the support type applied, the usual height of the net is between 3–4 m. The net system is used mainly on ski piste arcs with sharp slopes; also, to secure precipices, chasms, or narrow passages and make piste routes safe for skiers. L- and C-types of the system are associated with the construction type of supports.



TYPE-A SAFETY EQUIPMENT SYSTEMS FOR SKI PISTES

symbol / name	size (m)
RU002/C5 / C POLE	5.0; 6.0
RU002/L4, L5 lub L6 / L POLE	4.0; 5.0; 6.0
Prefabricated foundation for L POLE	1,0; 1,5 base 0,43 x 0,43



Nets made of UV radiation resistant polyethylene cords of a 3.5 mm diameter. The 2 m high net including poles of polycarbonate or PVC is a Type B - Safety Equipment.



RS335/5



RS335



RS335/7



RS335



RS335/7

PROTECTION EQUIPMENTS “TYPE B”

symbol	ø rope (mm)	mesh (mm)	material	size (m)
RS335	3,5	100 x 100	polietylen	1,2 x 25
RS335/7	3,5	70 x 70	polietylen	1,2 x 25
RS335/5	3,5	50 x 50	polietylen	1,2 x 25
RS335/7	3,5	70 x 70	polietylen	2 x 20
RS335/5	3,5	50 x 50	polietylen	2 x 20

Any other size on request.



SYSTEM FAST

The FAST system by LISKI is a guarantee of a suitable solution in particular zones in which it is necessary to provide a very firm and effective fencing that proves easy and quick to disassemble at the end of the season. The system consists of a steel anchor, 60 cm high, that is fully sank in the ground, and after taking the pole out plugged with a protective plug. Load-bearing poles made of highly durable black glass fiber, ø 50 mm, 3 m high, are inserted in the anchor. They are supplied with two netting hooks (the net can come in various sizes, depending on the customer’s needs).

To supplement the FAST system, each pole is supplied with a cylindrical mattress.

SYSTEM FAST

symbol	description	size (m)
RL11901	Pole for FAST system – highly resistant black glass fiber. It is supplied with a plug and 2 hooks to suspend a protective net that may come in various sizes.	Diameter ø 50 mm; L 300 cm
RL11902	Steel anchor for FAST system with a protective plug for closure in the inactive period is fully immersed in the ground. It allows quick and easy removal of the FAST pole after the end of the season.	H. 60 cm
RL11903	FAST cylindrical mat. In order to supplement the FAST system, a cylindrical mat must be positioned on each supporting post. Colors: red, orange, yellow, blue.	Height 200 x inside diameter 5 cm .
RL11904	Steel pin for driving the anchor into the ground.	-



RL11901



RL11902

RL11784

RL11904



RS335



RL11903





Any other size on request.



DELIMITING NETS INTEGRATED WITH POLES

Safety Net and glass fibre poles that are permanently fixed to it, are a complete set that is extremely user-friendly and easy to transport. Owing to special PVC sleeves, the net does not get tangled up where the rods are fixed to it. This Safety Net is an ideal solution for places where it has to be frequently and quickly mounted and dismantled.

DELIMITING NETS INTEGRATED WITH POLES

symbol	size (m)	mesh weave	color	number of poles
RS501	1,2 x 5	braided netting		3
RS502	1,2 x 10	braided netting		5
RS503	1,2 x 15	braided netting		7
RS504	1,2 x 20	braided netting		9
RS510	1,2 x 5	braided netting		9
RS520	1,2 x 10	braided netting		9
RS508	0,6 x 25	braided netting		11
RS335Z-10	1,2 x 10	knotted netting		5
RS335Z-15	1,2 x 15	knotted netting		7
RS335Z-25	1,2 x 25	knotted netting		11

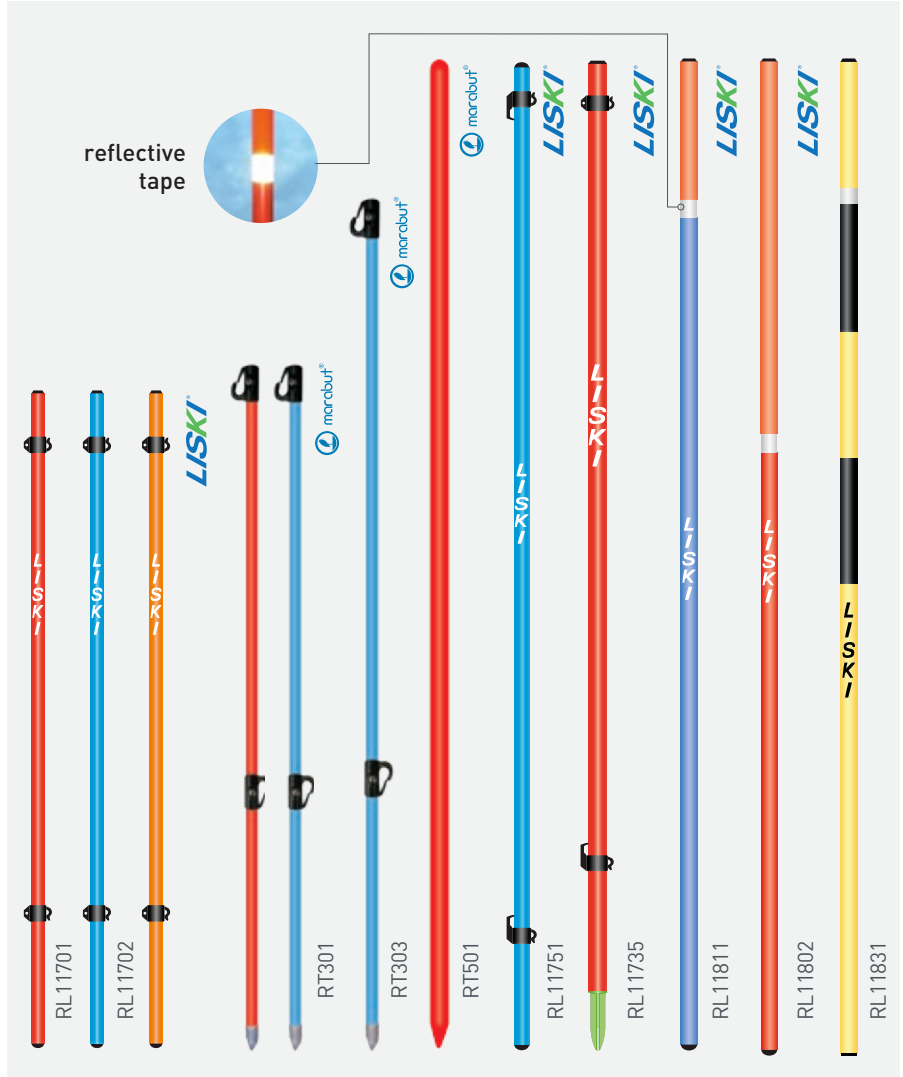
WARNING NET WOVEN PE NET

Fencing-warning net is a fence like polyethylene net of a large basis weight, excellently visible on the snow.

WARNING NET

symbol	ø rope (mm)	mesh (mm)	material	color	mesh weave	size (m)
RS601	-	-	polietylen		braided netting	1,2 x 50
RS602	-	-	polietylen		braided netting	0,6 x 50
RS325	2,5	125 x 125	polietylen		knotted netting	1,2 x 25

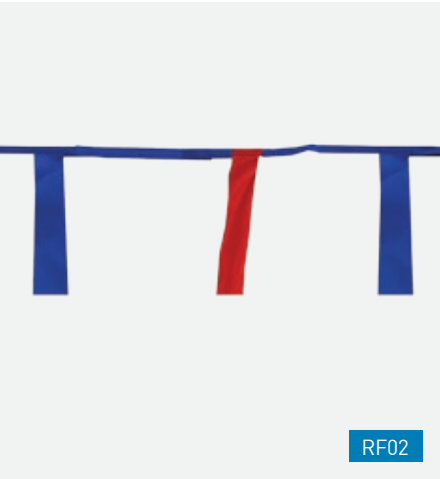
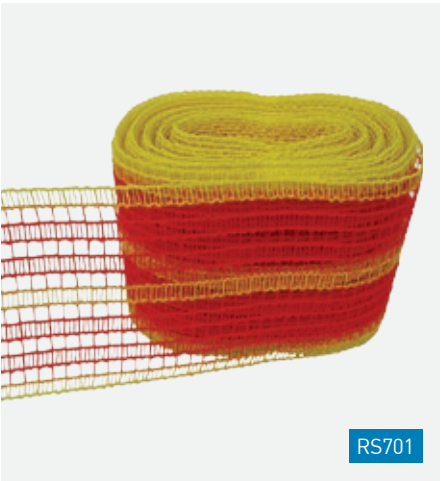
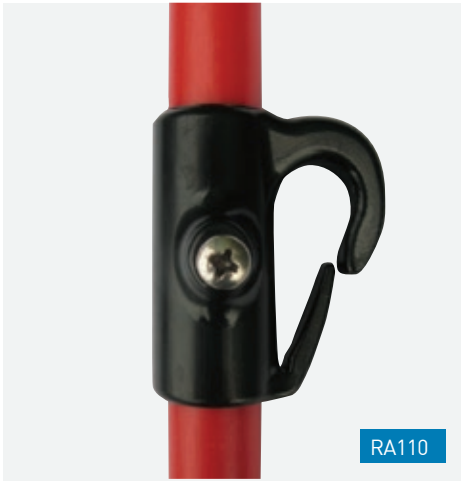




POLES			
symbol	size	color	material
RL11701	ø 35 mm x h 1,65		PCV
RL11702	ø 35 mm x h 1,65		PC
RT301	ø 15 mm x h 1,7		fiberglass
RT303	ø 15 mm x h 2,0		fiberglass
RT501	ø 50 mm x h 2,5		wood
RL11751	ø 35 mm x h 2,5		PC
RL11735	ø 48 mm x h 2,65		PCV
RL11811	ø 35 mm x h 2,3		PCV, fluoband l. 30 cm
RL11802	ø 35 mm x h 2,3		PCV, fluoband l. 80 cm
RL11831	ø 35 mm x h 2,3		PCV

ACCESSORIES FOR POLES

symbol	description	destiny
RA111	top hook	for poles ø 15 mm
RA109	top hook	for poles ø 15 mm
RA110	bottom hook	for poles ø 15 mm
RL11782/B	hook	for poles ø 35 mm



SIGNAL FLAGS HANGING ON A TAPE AND USED TO MARK OFF SKI TRAILS

This is the simplest and the less expensive way to mark off or to separate ski trails during ski competitions or trainings. On demand, logos, brand marks, etc. can be placed on the flags. The tape with the flags can be fixed on rods, denoted in the catalogue as RT301.

ROPE WITH SIGNAL FLAGS

symbol	carrier	material	shape
RF01	tape	RIP STOP	triangle
RF02	tape	RIP STOP	rectangle
RF03	tape	PCV	triangle
RF04	tape	PCV	square
RF06	tape	RIP STOP	square

DELIMITING STRIP IN PE NET

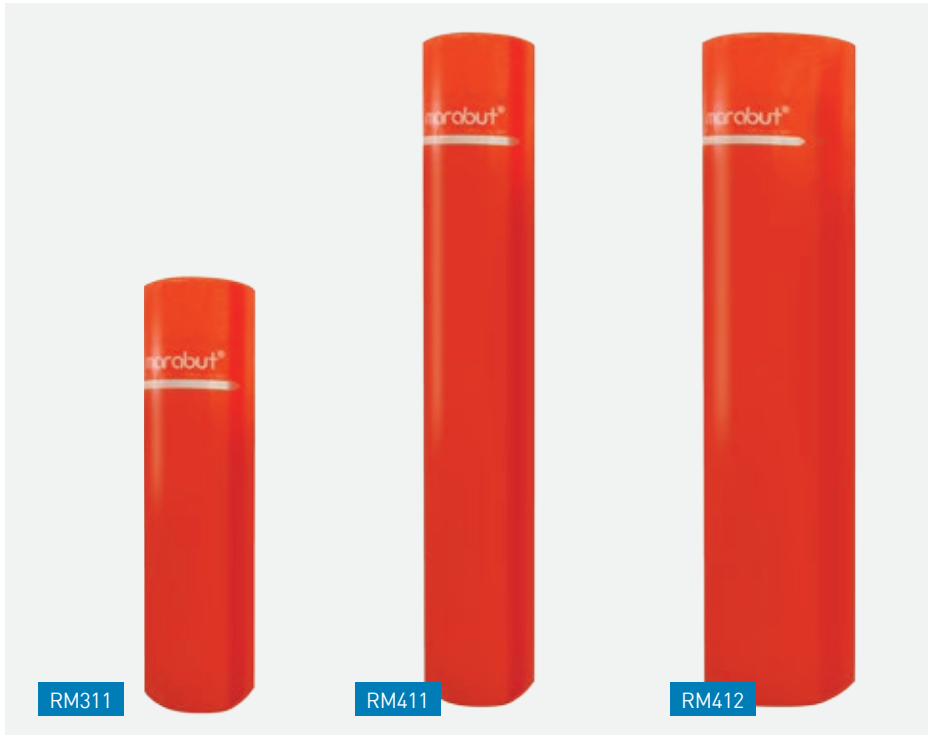
A woven tape to separate ski trails.

WARNING TAPE

symbol	material	color	height (cm)	length (m)
RS701	polietylen		16	50
RS702	polietylen		30	50

ACCESSORIES

symbol	description
RF11	PE coil-winding for rope with flags
RT301	Fiberglas pole for signaling lints



PROTECTIVE MATS

These protective mats are used to secure posts, columns, supports, hydrants, piste lamp posts, etc. in order to minimize the risk of injuries.

The mats of PVC are characterized by high durability; they are filled with polyurethane foam, therefore, their shock absorption is very high.

PERFECT SPOT FOR ADVERTISING THAT WE CAN PLACE UPON CUSTOMER REQUEST. POSSIBILITY TO MAKE IT ACCORDING TO INDIVIDUAL ORDER.

INDIVIDUAL PROTECTIVE MATTRESSES
page 23

MADE TO MEASURE

WATER RESISTANT

LIGHT

DURABLE



PROTECTIVE MATS			
symbol	dimension (cm)	folding	destiny
RM301.2	30 x 25 x 30 / 100	folding	hydrants
RM311	ø out. 32, ø ins. 12, h.100	cylindrical	hydrants
RM3051	54 x 94 / 130	folding	hydrants, power boxes
RM303	35 x 60 x 35 / 100	folding	hydrants, power boxes
RM401	30 x 30 x 30 / 200	folding	Lamps, Snow machines lance
RM411	ø out. 32, ø ins.12 / 200	cylindrical	Lamps, Snow machines lance
RM402	35 x 40 x 35 / 200	folding	Lamps, Snow machines lance
RM412	ø out. 42, ø ins.22 / 200	cylindrical	Lamps, Snow machines lance
RM611	ø out. 22 / 200	oval	line



PROTECTIVE MATS			
symbol	dimension (cm)	folding	destiny
RM101	60 x 200	flat	uniwersal
RM102	80 x 200	flat	uniwersal
RM103	100 x 200	flat	uniwersal
RM104	150 x 200	flat	uniwersal
RM105	200 x 200	flat	uniwersal
RM106	300 x 200	flat	uniwersal
RM107	400 x 200	flat	uniwersal
RM201	80 x 100	flat	uniwersal
RM202	100 x 100	flat	uniwersal

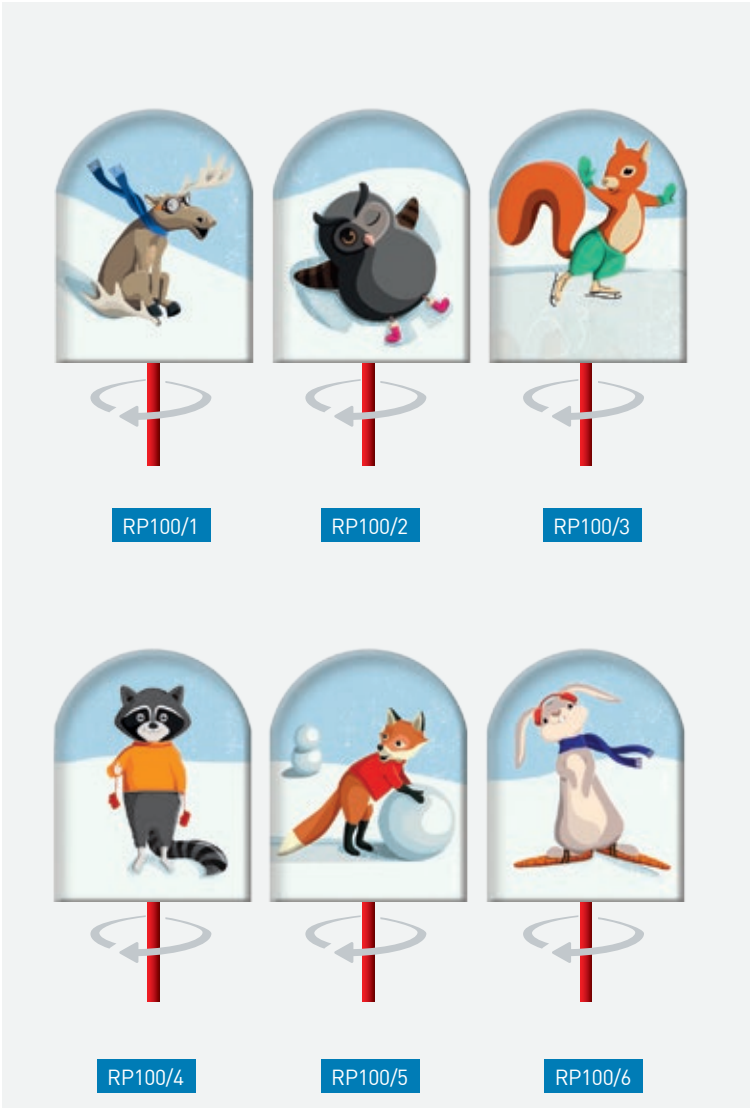


SKI PLAYSCHOOLS

A number of coloured elements to make the kid’s play and games in the snow more fun. The design and the construction of all the elements guarantee the highest safety. On each element, any advertising themes may be placed.

SKI PLAYSCHOOLS

symbol	description	size (cm)
RP111	tree	100 x 85 x 15
RP112	mushroom	80 x 60 x 40
RP113/1 -RP113/4	animal	h. 51; width 88
RP202	gate	165 x 130 x 30
RP301	box with pole	40 x 40 x 40
RP302	box	40 x 40 x 40
RP400	mini pole	h 65; ø12
RP401	small pole	h. 130; ø20
RP402	big pole	h. 150; ø30
RP501	buoy	h. 20; ø70



ROTATING FIGURE

symbol	size (cm)
RP100/1 - 100/6	80 x 55 x 15
RP101/1 - 101/2	99 x 84 x 15
RP114/1 - 114/3	62 x 85 x 15





SKI CAROUSEL

symbol	size (cm)
RP95	height 1- 1,8m diameter 11 m



SKI SLOPE OBSTACLES

Our Dino winter parks are intended to diversify skiing and snowboarding for junior skiers. We offer a dozen devices used to equip the children snowpark.

FULL OFFER ON
marabut.com

PERSONALIZED FIGURES FOR THE SNOW KINDERGARTEN

Beside the standard versions, we manufacture diverse ski playschool assortments to suit any individual advertising campaign.





SKI ROUTE SIGNS

It is a must to set a wide range of ski route signs: prohibitory or regulation signs, warning and informative signs, as they are an indispensable safety element on ski pistes.

- There are two types of signs depending on the carrier:
- fixed signals in ABS
 - movable signals in antiwind PVC net

MANDATORY SIGNES

symbol	meaning	size (cm)
RZ1/09	Blue arrow	ø 49
RZ1/12	Black arrow	ø 49
RZ1/14	Red arrow	ø 49
RZ1/30	Blue trail	ø 49
RZ1/31	Red trail	ø 49
RZ1/32	Black trail	ø 49
RZ1/33	Blue Trail; Trail Number to order	ø 49
RZ1/34	Red Trail; Trail Number to order	ø 49
RZ1/35	Black Trail; Trail Number to order	ø 49
RZ1/36	Blue Trail; Trail Number and Name to order	ø 49
RZ1/37	Red Trail; Trail Number and Name to order	ø 49
RZ1/38	Black Trail; Trail Number and Name to order	ø 49
RZ1/20	Cross-country ski trail	ø 49
RZ2/01	Ski Trail closed	39 x 59
RZ2/02	End of Ski Trail	39 x 59
RZ2/15	First Aid Point	39 x 59
RZ2/16	Parking	39 x 59
RZ2/23	Piste closed! Skiing Competition!	39 x 59

BOARDS 39 x 59 mm, made ABS

symbol	meaning	size (cm)
RZ2/03	Slow down!	39 x 59
RZ2/04	Attention!	39 x 59
RZ2/05	Attention! Snow Cannon!	39 x 59
RZ2/06	Attention! Snow groomer!	39 x 59
RZ2/07	Attention! Snow lance!	39 x 59
RZ2/08	Intersection!	39 x 59
RZ2/17	Attention! Narrow section!	39 x 59
RZ2/30	Turn left	39 x 59
RZ2/31	Turn right	39 x 59
RZ2/32	STOP! AVALANCHES	39 x 59
RZ2/33	Danger of falling	39 x 59
RZ2/34	Attention pedestrians	39 x 59
RZ2/35	Entrance to the danger of avalanches	39 x 59
RZ2/36	Danger avalanches	39 x 59
RZ2/37	Intersection with ski lift	39 x 59

ACCESSORIES

symbol	description
RT501	Wooden Pole, sized 60-80 mm; 2.5 m long
RL11734	Poles of LISKI; h 2,65; ø 48mm; PVC
RL15021	Poles of LISKI; h 2,35; ø 35mm; PVC
RZ10	Set to fix soft signs
RZ12	Rubber band for antiwind PVC NET
RL15001	Sign support with screw for poles with ø from 35 - 48mm

ROUND SIGNS, ø49 mm / made ABS

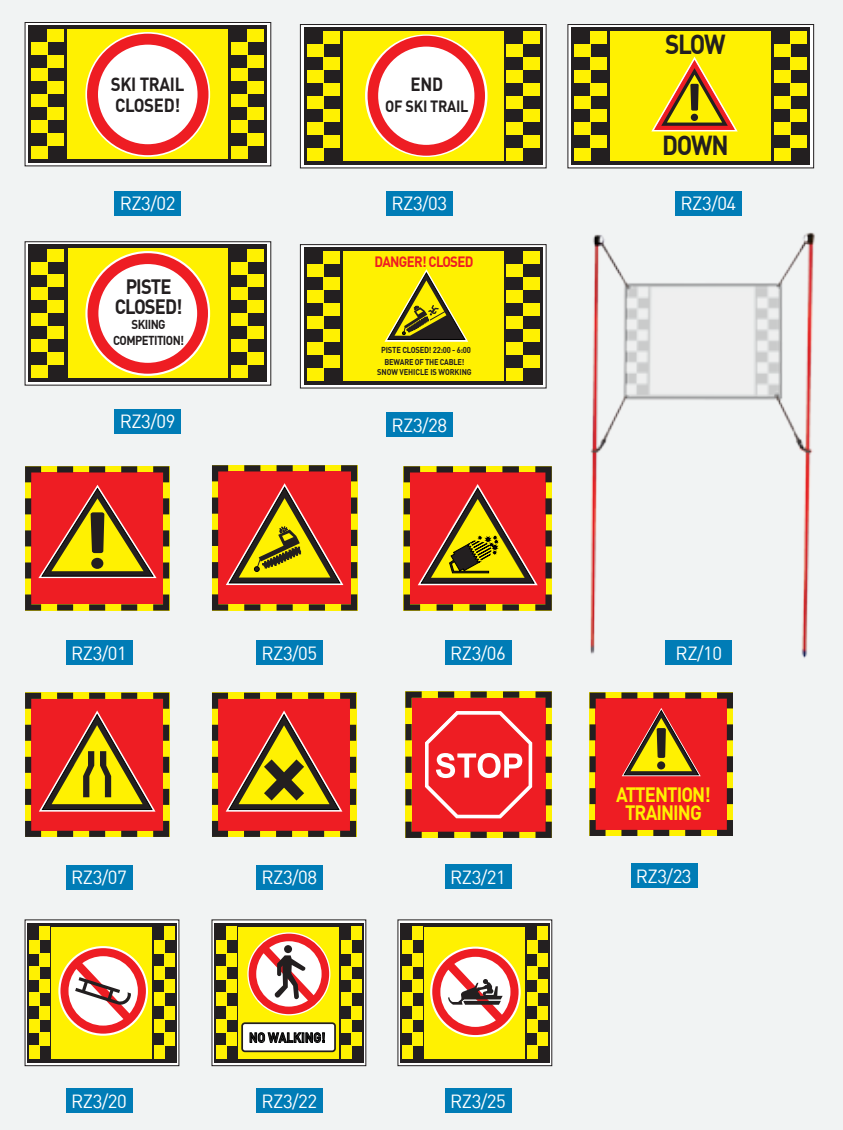
symbol	meaning	size (cm)
RZ1/01	STOP	ø 49
RZ1/02	No Walking!	ø 49
RZ1/03	No Sledging!	ø 49
RZ1/04	No Walking / Sledging!	ø 49
RZ1/05	No Snowboarding!	ø 49
RZ1/06	No Smoking!	ø 49
RZ1/07	No Dogs!	ø 49
RZ1/08	No Entry!	ø 49
RZ1/13	No Scooter Driving!	ø 49
RZ1/16	No Snowboarding! No skiing! No Sledging!	ø 49
RZ1/17	No Skiing!	ø 49
RZ1/21	No Skiing Walking!	ø 49
RZ2/11	Follow ski tracks!	39 x 59
RZ2/12	Do not cause the chair to swing!	39 x 59
RZ2/20	No skiing off-piste	39 x 59

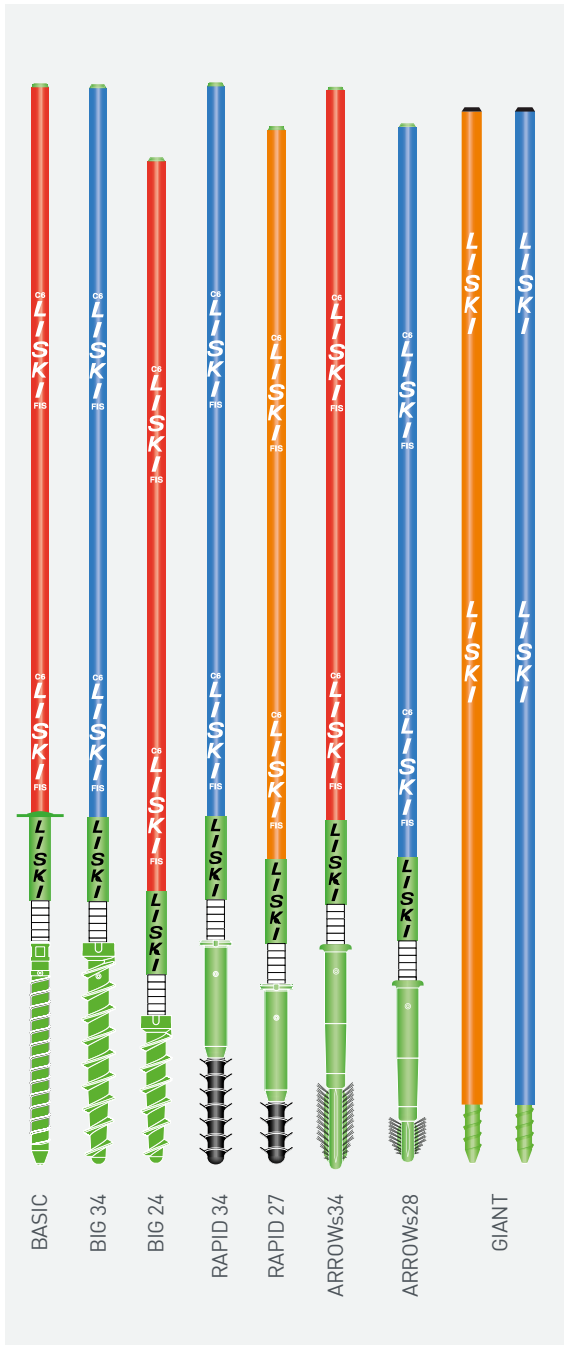
BOARDS ø49 mm / made ABS

symbol	meaning	size (cm)
RZ1/10	Go to the left!	ø 49
RZ1/11	Go to the right!	ø 49
RZ1/15	Drive straight	ø 49
RZ2/13	Go to the left!	39 x 59
RZ2/14	Go to the right!	39 x 59
RZ2/18	Ski helmet compulsory!	39 x 59
RZ2/28	Hold ski poles with one hand	39 x 59

SIGNS MADE OF ANTIWIND PVC NET

symbol	meaning	size (cm)
RZ3/01	Attention!	70 x 70
RZ3/02	Ski Trail closed!	70 x 120
RZ3/03	End of Ski Trail	70 x 120
RZ3/04	Slow down!	70 x 120
RZ3/05	Attention! Snow Cannon!	70 x 70
RZ3/06	Attention! Snow groomer!	70 x 70
RZ3/07	Attention! Narrow Section!	70 x 70
RZ3/08	Attention! Intersection!	70 x 70
RZ3/09	Piste closed! Skiing Competition!	70 x 120
RZ3/20	No Sledging!	70 x 70
RZ3/21	STOP	70 x 70
RZ3/22	No Walking!	70 x 70
RZ3/23	Attention! Training	70 x 70
RZ3/25	No Scooter Driving!	70 x 70
RZ3/28	Snow Vehicle with cable inch is working	70 x 120





FLEX POLES

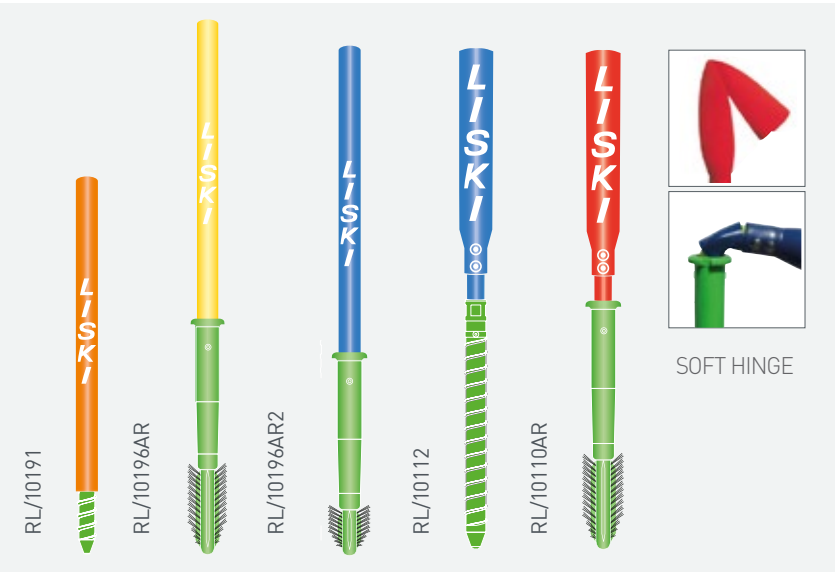
	symbol	size	color	weight (g)
C6 World Cup ø 30 mm, h 1,8	BASIC / 10001	ø 30 mm x h 34 cm		990
	BIG 34 / 10002	ø 50 mm x h 34 cm		1150
	BIG 24 / 10003	ø 50 mm x h 24 cm		1070
	RAPID 34/ 10000M RA	ø 35 mm x h 34 cm		1140
	RAPID 27/ 10000M RA2	ø 35 mm x h 27 cm		1090
	ARROWS34/ 10000M As	ø 35 mm x h 34 cm		1100
	ARROWS28/ 10000M As2	ø 35 mm x h 28 cm		1050

Top 27 ø 27 mm, h 1,8	BASIC / 10031	ø 30 mm x h 34 cm		745
	BIG 34 / 10032	ø 50 mm x h 34 cm		905
	BIG 24 / 10033	ø 50 mm x h 24 cm		820
	RAPID 34 / 10030M RA	ø 35 mm x h 34 cm		900
	RAPID 27 / 10030M RA2	ø 35 mm x h 27 cm		840
	ARROWS34 / 10030M As	ø 35 mm x h 34 cm		860
	ARROWS28 / 10030M As2	ø 35 mm x h 28 cm		800

Soft ø 25 mm, h 1,8	BASIC / 10056	ø 30 mm x h 34 cm		620
	BIG 34 / 10057	ø 50 mm x h 34 cm		780
	BIG 24 / 10058	ø 50 mm x h 24 cm		700
	RAPID 34 / 10050P RA	ø 35 mm x h 34 cm		770
	RAPID 27 / 10050P RA2	ø 35 mm x h 27 cm		715
	ARROWS34 / 10050P As	ø 35 mm x h 34 cm		730
	ARROWS28 / 10050P As2	ø 35 mm x h 28 cm		675

FLEXIBLE SLALOM POLES

	symbol	base	color	weight (g)
ø 30 mm h 2,05	RL /10201 GIANT PVC	ø 30 mm x h 10 cm		605
	RL /10251 GIANT PLUS polycarbonate	ø 50 mm x h 10 cm		680



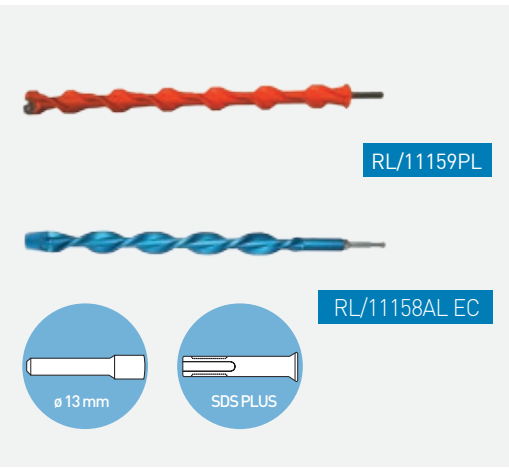
SOFT SLALOM POLES FOR TRAINING AND RACES

symbol	description	ø (mm)	height (cm)	base (mm)	base height (cm)
RL /10191	Gummy pole	ø 30	50	ø 30	10
RL /10196AR	Gummy pole	ø 30	50	ø 35	34
RL /10196AR2	Gummy pole	ø 30	50	ø 35	28
RL /10112	STUBBY SKI/SNOWBOARD	ø 50	30	ø 30	34
RL /10110AR	STUBBY SKI/SNOWBOARD	ø 50	30	ø 35	34
RL /10110AR2	STUBBY SKI/SNOWBOARD	ø 50	30	ø 35	28
RL /10180	Tuft with flexible bristles		55	ø 30	10
RL /10311	References pole mushroom		30	ø 30	3



ACCESSORIES

RL /10851	Bag poles (small)
RL /10852	Bag poles (big)
RL /10630	Giant slalom panel cm 75 x 50 anti wind - stretch - with fastening rubber - imprinted LISKI
RL /10175	Snowboard giant slalom flag h.110x130 cm
RL /10862	Double radio bandoleer
RL /10401	Universal aluminium key for slalom poles
RL /10404	Slalom poles universal plastic Key
RL /11159PL	Aluminium bits ø 35 mm x 460 mm, shank 10 mm
RL /11158AL EC	Aluminium bits eco ø 32 mm x 540 mm; shank 10 mm



NET

Nets integrated with banners; banner on a wind permeable net.

Any banner must be properly exhibited (i.e. stretched), to properly fulfil its function. We have a solution to ensure the best final result.



WIND PERMEABLE NET



UV PRINT



STRONG



HIGH QUALITY



WINDER

Winder flag is an excellent advertisement or information carrier. It appears indispensable where promotional-advertising events are held or where a well legible and visible information carrier is necessary (for example: First Air Point, Information, etc.).

Two types of bases are used, thus, this flag may be used both in the closed spaces (fairs, exhibitions rooms, conference rooms) and in the open spaces (ski pistes, open-air festivals, meetings, picnics).

Owing to the rotating and flexible structure applied, this flag remains stable and does not change its shape even under a strong and gusty wind.



SIGNAL FLAGS WITH INDIVIDUAL PRINTINGS

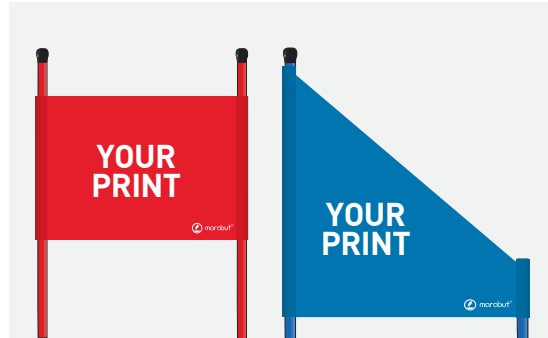
Our signal flags on tapes have various shapes (also to order) and they are placed on the tape at different distances between the flags.



GIANT SLALOM AND SNOWBOARD FLAGS WITH IMPRINT

Giant slalom and snowboard flags are required for sport competitions.

We can provide customized imprints on a wind-permeable carrier. Imprints can be single- or multicolored.



MATTRESSES WITH INDIVIDUAL PRINTINGS

Thanks to a large surface of the mat, an advertisement reaches the recipient quicker and more effectively. The imprint on the mat will prove to be a way better and more durable when compared to suspended banners that you can still see at ski slopes.

Aside from their basic function, most of our accessories can also be used as a perfect advertising carrier. The most popular and most eye-catching are solvent imprints on mats, flandries, ski playschool elements, nets and banners integrated with nets.

Thanks to using the solvent print, the image is of top quality, while colors remain vivid for a long time and prove resistant to variable weather.





PNEUMATIC GATES AND TENTS

Pneumatic gates and tents are a key element of many winter and summer sporting events. Their dimensions and interesting design drive the attention of the public, thus, they may be a superb advertising carrier.

They are made of a PVC coated polyester fabric and on its surface anything can be printed: a simple graphic pattern, a detailed text or picture (100% printing coverage) using one of the following technologies available: solvent printing, screen printing, and dye sublimation printing, which produces imprints of the highest quality.

It is possible to print anything and to assemble banner ads.



INDIVIDUAL
PNEUMATIC GATES
ski@marabut.pl

„START” AND “FINISH” BAND – VERTICAL WITH POLES

Made out of PVC fabric and fiberglass poles used to indicate the beginning and the end route of slalom training.

Easy and fast to install, lightweight and handy to transport.

„START” AND “FINISH” BAND		
symbol	dimension (m)	material
RG04	160 x 35 (+2 poles 200 cm)	PVC fabric, fiberglass poles

SLIP MAT

Prevents snow to melt rapidly, makes the surface slippery.

SLIP MAT		
symbol	dimension (m)	material
RW103	1,5 x 50	PP 800g/m ²



RP602



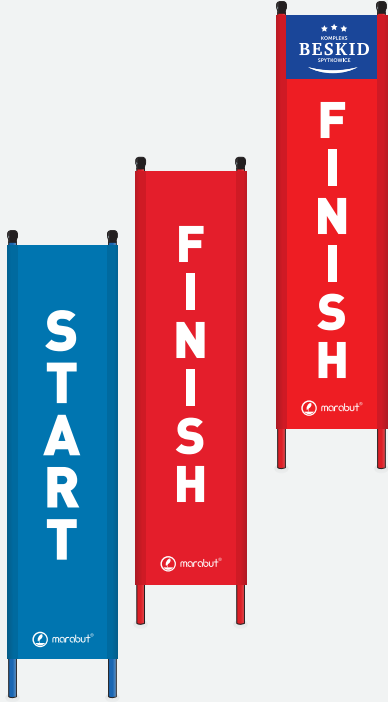
RP603



RP604

PNEUMATIC GATES

symbol	shape	dimensions (m)
RP602	rectangle	4 x 8
RP603	polygon	4 x 8
RP604	arc	4 x 8



RG04



START TENT

Tabular structure in galvanize iron, PVC covering with closing pannels ont the door.

START TENT		
symbol	dimension (m)	material
RL/12304	2,4 x 2,4 x 2,3 (h)	PCV



VESTS FOR CHILDREN

VESTS FOR CHILDREN	
symbol	description
RG11/1	vest, with individual printing format < A3
RG11/2	vest, with individual printing on whole surface
RG11/3	vest in fluorescent color with monochromatic printing



RG11/1



RG11/2



RG11/3



BIBS

Used in all competition types.

BIBS	
symbol	description
RG10/1	Classic bib, with individual printing format < A3
RG10/2	Classic bib, with individual printing format > A3
RG10/3	Classic bib, with individual printing on whole surface



RG10/1



RG10/2



RG10/3





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MARABUT® safety on the slope

Marabut Sp. z o.o. has been operating in the sports industry since 1998. As a Polish producer with 25 years of experience, we have been providing professional equipment for ski piste protection. We offer a wide range of items required for proper and safe operation of the ski station.

We equip slopes with A-, B- and AB-type systems, fencing nets, poles, protective mats, ski trail markers, informative signs, ski playschools as well as any elements required to organize ski competitions. We conduct advertising campaigns under which protection serves as advertising carriers.



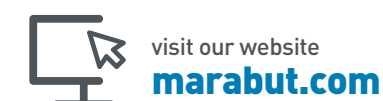
We have been securing ski slopes for over 25 years!

MARABUT® protection is used by most ski stations in Poland. For 25 years we have established cooperation with more than 130 domestic and foreign centers.

We are available in Slovakia, Czechia, Latvia, Ukraine, Italy, Austria and Hungary.

LISKI® quality for years

In Poland we distribute products manufactured by LISKI®, an Italian company and the world's leader in the field of poles.



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