



Speedy



ski roller

USER MANUAL

USER'S MANUAL

Introduction

At first we would like to congratulate you for choosing Speedy Ski Roller. Speedy Ski Roller, a type of device being used by professional skiers for years, cuts down friction between the ski and snow by creating air flow under the ski in the specific figures. In other words, your skies will glide better and skiing will be even more enjoyable.

How to Use

Fasten a ski on a waxing rack. Wax the ski and brush it if necessary. Choose a proper roller and attach it to Speedy Ski Roller. Place the machine on the front end of the ski, roller touching the bottom of the ski and the arrow on top of the roller pointing to the rear end of the ski. Make sure the drive adjusters (plastic flaps) are placed on both sides of the ski centering the machine in the middle. Push Speedy Ski Roller firmly against the surface and slide it slowly to the rear end. Do this only once after waxing. The type of snow determines the blade you should use. Experience and testing helps you to choose the right blade. In general, the colder temperature, the straighter and more shallow the figure should be.

Different kinds of Blades and how to change them

Changing rollers is simple. Grab the roller at both ends of the shaft. Pull the roller gently out of its place, plastic notches will release the shaft. When attaching a new roller make sure it will set properly in the correct position.

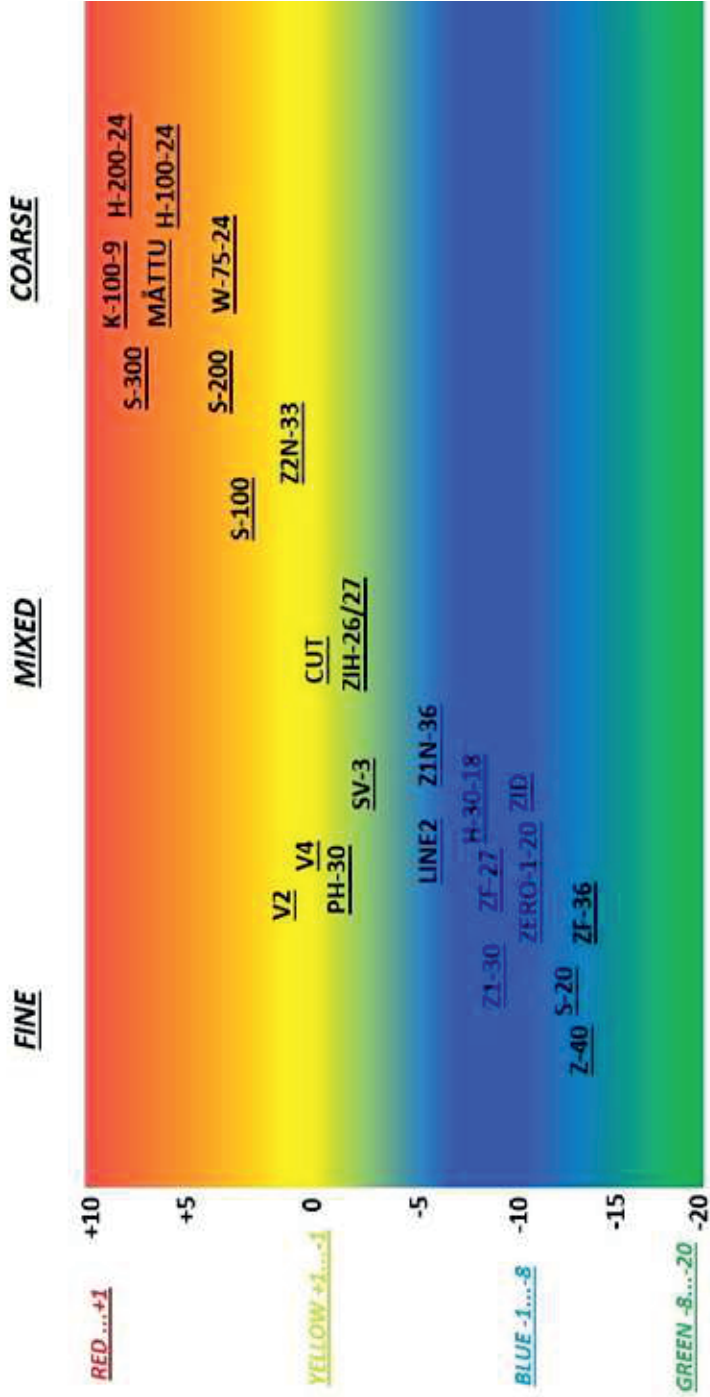
Handle all equipment with care. The best way to store Speedy Ski Roller and its components is to keep them in the box delivered with the machine. Every now and then you can spray teflon lubricant on the rollers and shafts.

Guarantee

Speedy Ski Roller has a one year guarantee. The guarantee doesn't contain normal wear and tear, for example rollers.

Optional components

Please visit our website: <http://www.skiroller.fi/>



Most of the Speedy Ski Roller Structures works very wide circumstances. This table is directional.



STRUCTURE MODELS 2019-2021

Groove width (mm):	0,20	0,30	0,30	0,50	0,75	1,00	2,00	3,00
Linear	S-20 (-20...+0 fine snow)	Line 2 (-12...+3)		S-50 (-8...+1)		S-100	S-200	S-300
Spiral	Line17 (-20...+10 fine snow)	Line 2 (-12...+3)	CUT (+0) mixed dry and wet snow			K-100-9 (+1...)	U-200 (-10...+2)	
Special-H		Line13 (-15...+3)	Z1-30 (-16...+1 powder snow)	Z2N-33 (-6...+4)	W-75-24 (-2...+4)	H-100-24 (+2...)	H-200-24 (+5...)	
Designed especially for skating. Works well in almost every possible weather and has good uphill properties		ZF-27 (-10...0, dry, falling snow)	Zero-1-20 (-10...0, dry snow)	Z2-80 (-5...+3)		U-100		
		Z46 (-20...-3)	Z1N-36 (-17...+5, powder snow)					
		Z1H-26 (-15...0, mixed snow)	Z1N-40 (-15...+3)					
		Z1H-27 (-15...0, mixed snow)	V2 (-4...+2), snowfall					
		H30-FBVO (-7...+1, coarse, icy snow)	SV-3 (-5...0)					
		N3 (-7...+1)	V4 (-3...+3)	N5 (-7...+3)				
Double twig structure makes two parallel structures		Z1T (triple twig) (-16...0)	Z10 (-16...0)					
Special-S		PH-22 (-20...0 fine, new snow)	PH-30 Tour snowing(-10...+2)					
			Mätü coarse, wet snow		SP-18 (-3...+10 wet snow)			
			S-4-3 (sprint racing)					
Special-O								

Designed for the center gap of the ski. Used for wet snow, air humidity over 90%. Uniquely roller for every common ski brand.
The more moist the snow, the more pressure should be applied on the device when structuring. Eg. Z1N-36: +0 -> 15kg ja +12 ->8kg. Use scales to determine the appropriate pressure.

S-20

A linear structure that is very well suited for cold weather conditions and dry snow (the humidity of air less than 60%).

S-100

A linear structure that can be used with another, more weather specific structure under moist conditions, when the humidity of air is over 75%. Brings stability to the ski and can be used on hard skating track during cold weather to stabilize the ski. This linear structure efficiently removes water from underneath the ski under various weather conditions, thereby making the ski slide better. Please note that this structure is not to be used when the snow is very fine. Works well combined with other structures when the snow is wet.

S-200

A linear structure that can be used with another, more weather specific structure under moist conditions when the air humidity is over 75%. Brings stability to the ski and can be used on hard skating track during cold weather to stabilize the ski. This linear structure efficiently removes water from underneath the ski under various weather conditions, thereby making the ski slide better. Please note that this structure is not to be used when the snow is very fine.

Z1N-36

A Specially shaped non-linear pine twig structure that is extremely multipurpose. The structure is suited for both very cold weather conditions and even for temperatures above 0° Celsius. This structure requires fine-grained snow to work well! The recommended temperature range for this structure is approximately -17°C...+4°C

Z2N-33

Z2N-33 is a non-linear pine twig structure, and it closely resembles Z1N-36 in many respects, only this roller is designed for slightly warmer weather conditions. This roller is well suited for a variety of weather conditions and for both skiing techniques. The recommended snow type for Z2N-33 is grainy, coarse and moist. The recommended temperature range for this roller is approximately from -5°C...+5°C.

H-100-24

This pine twig structure is designed for warm and wet weather conditions that usually occur during spring time. The emphasis in designing this roller was on good skating and uphill properties, and these goals were also met when the product was ready for the markets. Many national teams use this roller for extremely wet snow. The recommended temperature range for this roller is approximately +2... °C.

Z1D-SPECIAL-DOUBLE H

This roller is great for finegrained and dry snow that can often be found in Central Europe. Zero 1-20 is well suited for both skiing techniques. The structure produced by this roller has shown remarkable results when windy weather dries the top snow layer on the track but the conditions remain moist

otherwise. This roller has been a top seller for many years now, and is used by many national teams. Especially biathlon teams rely on this roller. During the Liberec world championships many medals were won using this structure.

ZERO 1-20

This roller is great for fine-grained and dry snow that can often be found in Central Europe. Zero 1-20 is well suited for both skiing techniques. The structure produced by this roller has shown remarkable results when windy weather dries the top snow layer on the track but the conditions remain moist otherwise. This roller has been a top seller for many years now, and is used by many national teams. Especially biathlon teams rely on this roller. During the Liberec world championships many medals were won using this structure.

PH-30

A combined structure that is the perfect solution for the troublesome weather conditions that are caused by falling snow or sleet. Another important feature of this particular roller is that it efficiently prevents dirt from clustering on the base of the ski, thereby making this structure great for long distance racing. The recommended temperature range for this roller is $-10...+1^{\circ}\text{C}$. The humidity of air should however be more than 85%. This structure has shown great results on all the skiing continents of the world!

MÄTTU

This roller is designed for very coarse, wet snow and for the snow cannon produced coarse, artificial snow. Due to its concave shape the structure is produced differently in different parts of the ski and hence it shapes the ski base to allow for improved gliding abilities on coarse and wet snow.

Special-O

The Special-O roller is designed to structure the middle gap of the ski. This roller produces a linear structure in the middle gap of the ski, and thereby enhances the gliding abilities of the ski when the snow is fine-grained and dry (the humidity of air below 60%). We recommend this roller to be used with the Z1D roller. The recommended temperature range for this roller is approximately $-17...+10^{\circ}\text{C}$. This roller is brand specific, and each common ski brand has an individually designed special -O roller.

V2

This roller is a further developed version of the popular V1 roller. Designed for temperatures between -4 $-+2$ when the humidity of air is above 85%. Excellent for problematic snow types: e.g. when manmade snow and natural snow have been mixed. Works especially well when snow is falling (humidity of snow 19-23%).

SPEEDY Optional products

SSR



Measurement Tool



Assistance for stiffness indicator.

Speedy Grip Wax Cover



National Box



Speedy powder roller



Speedy Klister Stick 2.0



ski roller

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