



Speedy ski roller

Speedy ski roller rillers are used by the top International and National ski teams around the world. The high quality parts, superior workmanship and field tested designs are what set the Speedy ski roller apart from the rest.

The Speedy ski roller is a geared riller often referred to as a "tractor box". As the riller is guided along the ski base the large rubber wheel rotates the rill in reverse at a specific ratio. The superbly machined Speedy rill now cleanly places the pattern into the ski base. The result is a superior structure on the ski base optimized to the skiing conditions.

The 4-Rill and 3-Rill kits come with the rills most often used for North American condition. The 6-Rill kit extends the other kits to colder temperatures and more aggressive snow. Serious teams will want to add specific rills to these kits for specific conditions. Speedy offers dozens of specialty rills for different conditions.

The Speedy ski roller is constructed of quality materials that can be used at all temperature ranges without fear of breakage. The gear box and gears are constructed of PC-ABS and Nylon. The rills are machined stainless-steel. Three year warranty on all parts.

Changing rills is easily done without the need for any tools. The rills are inserted by pressing firmly and then checking the gears are meshed. Removal is performed by firmly pulling the rill from the box. Rills can be cleaned with a stiff, fine nylon brush.



W-75-24
(-2..+4°C)
larger snow



S-200
(-2..+3°C)



PH-1
(-4..+4°C)



Z2N-33
(-8..+5°C)
finer snow



Z1N-36
(-17..+5°C)
finer/colder snow

6-Rill Kit

- * Speedy case
- * Speedy riller
- * groove scraper
- * spare guides
- * rill W-75-24
- * rill S-200
- * rill PH-1
- * rill Z2N-33
- * rill Z1N-36
- * rill S-20

4-Rill Kit

- * Speedy case
- * Speedy riller
- * groove scraper
- * spare guides
- * rill W-75-24
- * rill S-200
- * rill Z1N-36
- * rill Z2N-33

3-Rill Kit

- * Speedy case
- * Speedy riller
- * groove scraper
- * spare guides
- * rill W-75-24
- * rill S-200
- * rill Z2N-33



Parts diagram



Speedy ski roller

Below are expanded descriptions of the Speedy rills that come with the 6, 4 and 3 Rill kits. Your own testing will help you make the best choice to match your skis and conditions.

The Speedy rills for the 6, 4 and 3 Rill kits have been specially chosen to provide results in conditions most often faced by skiers when additional base structure is needed. These Speedy rills have been researched & developed over several years of in-field testing with top skiers and top racing teams. The very high-quality, precision made rills combined with the Speedy Riller produces structural patterns across the glide zone(s) that are clean. The rills can be used alone or in combinations. The Speedy Riller is ideal for at-race adjustments to your ski's base structure. This is an ideal tool that complements the use of professional stone grinding. For Skating and Classical skis. The 6-Rill kit extends for colder temperatures.

These rills have been chosen to provide transition zones for temperature and snow conditions. For example as the temperature rises from -2°C to +1°C you will find with testing that a transition point will occur where W-75-28 will start to perform better than Z2N-33. The reverse is also true. Of course you can combine rills in any manner. Testing all combinations improves your knowledge.



W-75-24
(-2..+4°C)

This Speedy rill is very impressive. This rill was used regularly during the Canadian 2008 Championships at Callaghan Valley. Used when the snow is damp to wet, with large structured snow (old and fresh). It can energize your glide by breaking the wet friction to allow your ski to move unhindered. The herringbone pattern at 0.75mm with a 28° angle creates a strong turbulence to break the suction. Can be used alone or in combination with the Speedy S-200 rill.



Z2N-1-33
(-8..+5°C)

The Z2N-1-33 is a specialized Speedy rill that was developed from in-field testing with top Nordic skiers. This is the top of the line of the Z series of Speedy rills. It is suitable for a wide range of snow and temperature conditions including man-made snow.



S-200
(-2..+3°C)

The Speedy S-200 rill can be used in more situations than most skiers initially believe. The 2.0mm straight rill produces a clean linear pattern along the ski. By controlling the amount of downward pressure you can place a light or deep pattern. The Speedy S-200 rill can be used alone or in combination with other Speedy rills. As conditions become more damp the S-200 will help excess water flow away from the gliding surface returning the water film to a more optimum thickness. The S-200 operates well above & below freezing. The Speedy S-200 can also be used when the trail has become colder and ice crusted to help improve lateral control of the ski.



PH-1
(-4..+4°C)

A special combined structure that works in unique conditions. The outer edges have a herringbone pattern while the center has a more straight structure. Good with a slightly glazed track & warm snow with natural structure. For classic and skating, especially sprinting. 2012 CCC Nat's early mornings.



Z1N-36
(-17..+5°C)

The Z1N-36 works with snow that is colder, drier and/or very finely structured. It is a good transition from the S-20 riller as conditions warm, and a good transition from the Z2N-33 as the temperature lowers. This has a subtle pattern that should be tested against S-20 and Z2N-33 when the snow starts to age or has lots of grooming.



S-20
(-20°..-10°C)

This Speedy rill is for very cold conditions and fine snow to very fine snow structures. It is best used at humidities below 60%. Produces a shallow rill that is ideal for cold abrasive conditions too. Most often used in the tail of the ski but can also be used across the entire ski. Can be used alone or in combination with other Speedy rills such as the Z1N-36 and Z2N-33. Can add control in icy conditions. Good with classic & skate. Replaces S-20.



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This is a more detailed description of some of the many Speedy rills available and when they are best used. You can add these to the suggested kits or order them separately. There are more Speedy rills available for you to use. Ask your representative. Contact: SkiWax.ca at "askus@skiwax.ca" or 519-747-8032.



S-20
(-20°..-10°C)

This Speedy rill is for very cold conditions and fine snow to very fine snow structures. It is best used at humidities below 60%. Produces a shallow rill that is ideal for cold abrasive conditions too. Most often used in the last tail of the ski but can also be used across the entire ski. Can be used alone or in combination with other Speedy rills such as the Z1N-36. Can add control in icy conditions. Good with classic & skate. Replaces S-25.



PH-1
(-4°..+4°C)

A special combined structure that works in unique conditions. The outer edges of the rill have the herringbone pattern while the center has a more straight structure. Good with a slightly glazed track & warm snow with natural structure. For classic and skating, especially sprinting.



S-100
(-5°..+3°C)

The S-100 Speedy rill is for cool to warm conditions with coarse snow or large aged snow. It is best used at humidities above 75%. Usually used across the entire ski but can be used just on the tail of the ski too. Often used alone or in combination with other Speedy rills such as the V1 or W75-24. Can add control in icy conditions with skate skiing.



S-4-3
(+3°..+20°C)

Good with classic and skate skiing. Often used with high speed events. Ideal in wet conditions. Can be mixed with other speedy rills, in particular S-100 & S-200. Nicknamed "leopard" at 2012 CCC Nat'l's (used everyday).



Z1N-36
(-17°..+5°C)

Best below zero with fine snow including man-made snow. A good complement with the Z2N-1-33 rill because it covers slightly finer and/or drier snow to colder temperatures.



Z1-30
(-16°..0°C)

For cold and aggressive snow when the relative humidity is about 45% to 85%. Excellent for skating and hills at high speed. Aids in film distribution. Can be used just at the high contact points (pressure points) too in complement with the S-20 rill.



H100-24
(+2°C..warmer)

For snow that is warm and/or damp particularly on sunny days. Good for uphill/slow conditions. Good in all snow types (new, small, large, coarse, etc.). Used a lot by the national teams of many countries at the World Cups.



Z1-40
(-15°..+3°C)

This is a new rill introduced for the 2010 Olympics along with the new V1 rill. This was the structure used for several of the medalists' skis. For wet, coarse snow with no new snow (large or small) mixed in. Typically used alone.



Z1D (Special double)
(-16°..+2°C)

A special double H pattern that is good with classical skis especially when in the set track.

V1
(-2°C..warmer)

V is for Vancouver. Designed for the 2010 Olympic site. Best when relative humidity is 95% or higher. This has a unique unbalanced, flowing pattern that is good when different snow types are mixed at the surface. Also available V2 and SV3 (new 2012).