

BLADEMASTER

BEF
FLAT BOTTOM

www.blademaster.ca

GENUINE
BLADEMASTER
THE CHOICE OF PROFESSIONALS



SHARPENING INNOVATION

At Blademaster, we are sharpening innovation. Blademaster holds several Patents, with other Patents Pending. Our equipment is designed, engineered and manufactured in Canada which yields an uncompromised commitment to quality.

FLAT BOTTOM: NEW ARCHITECTURE



WHAT IS BLADE HOLLOW?

Skate sharpening redefines the radius of the hollow of the skate blade. The "correct" hollow varies from skater to skater, and is dependent on: weight, activity, personal preference and ice conditions. A smaller radius (or deeper hollow) such as 1/4 inch facilitates a sharper edge and deeper penetration into the ice. A larger radius (or shallow hollow) such as 1 inch facilitates skating on top of the ice. Most skaters are somewhere in between.

Traditionally, skate sharpening is based on creating a radius of hollow (RoH) in a skate blade, which enables the skater to skate on two sharp, square edges. There is not one magic (RoH) for every skater. Each hollow has its advantages and each skater makes an evaluation as to which is best for them. The profile of a skate hollow is not limited to a radius - there is an infinite number of shapes including FLAT BOTTOM that can be sharpened onto a skate blade.

Blademaster's BFD system optimizes the trade-off between bite and glide. We have reduced the area between the 'flat' portion of the skate blade and the ice. This reduces the build up of ice/snow/water and improves glide. However we have done so without compromising the strength and integrity of the sharpened edges! Blademaster's edges retain a partial radius because...

The benefits of an arch (radius) design have been recognized for thousands of years. Throughout history, the arch has always been a significant design element for load bearing structures. The structural benefit of an arch is that it transfers the load being suspended into compressive forces along the pathway of the arch. There are no tensile forces over the suspended shape. Also, the arch helps to eliminate stress concentration points.



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Skate blades with square even edges that *radius* into a FLAT BOTTOM will retain their edge longer than straight edges with a stress concentration point. Radiused edges - when used in conjunction with a FLAT BOTTOM will feel like a progressive bite and give the skater more control over the bite angle.

With the Blademaster BFD - ALL 3 OPTIONS X6, X7, X8 have enhanced glide - and three different choices for bite, with X6 the most and X8 the least. This will always be left to an individual skater's preference.

<u>BFD Profile</u>	<u>"Bite" feels like:</u>
X6	3/8" to 1/2"
X7	1/2" to 3/4"
X8	3/4" to 1"

Whether it's Radius of Hollow (RoH) or FLAT BOTTOM (BFD), the choice is still personal preference. For the most repeatable and dependable FLAT BOTTOM sharpening on the market... Trust BLADEMASTER!



Did you know that sometimes the shape (profile) of the blades on a pair of skates are not the same?

That's why the industry leader in skate sharpening recommends that all skates get contoured at time of purchase. Optimizing the performance of your skates is a combination of a good sharpening and good contouring. Blademaster is set to introduce a major innovation in skate contouring - the latest generation in its' Custom Radius series: Single Point Contouring. This new system enables you to customize the profile of the skate blade with multiple radii. For example, a tight radius on the front of the blade, a flat center portion for speed, and a larger radius on the rear portion of the blades.

Talk to your local Blademaster professional sharpener to get Custom Radius on your skates - to optimize their performance based on your height, weight, position, style of play and skating ability.