

Skate Sharpening 101

Separating fact from myth

Scott Gailfus

Wholesale Skate Sharpening

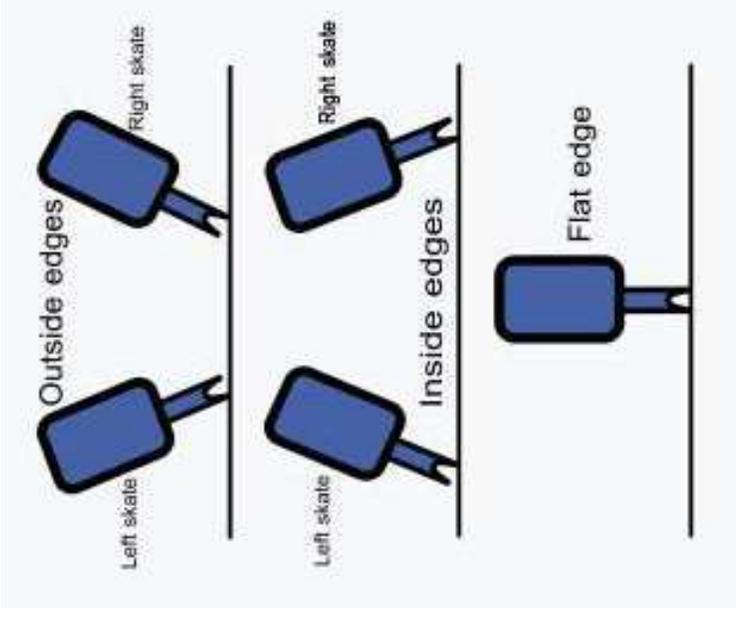
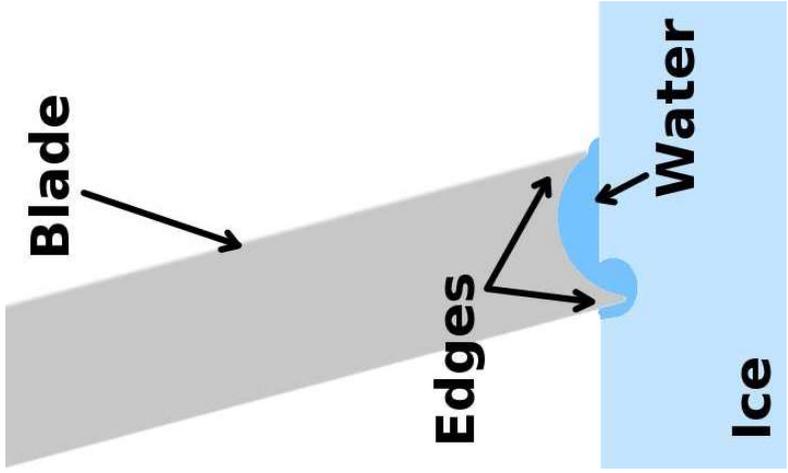
403-404-7469

scott@wholesaleskatesharpening.com

www.wholesaleskatesharpening.com

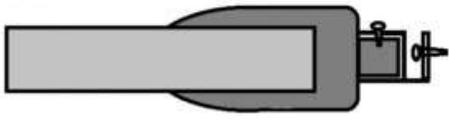


How does skating work?

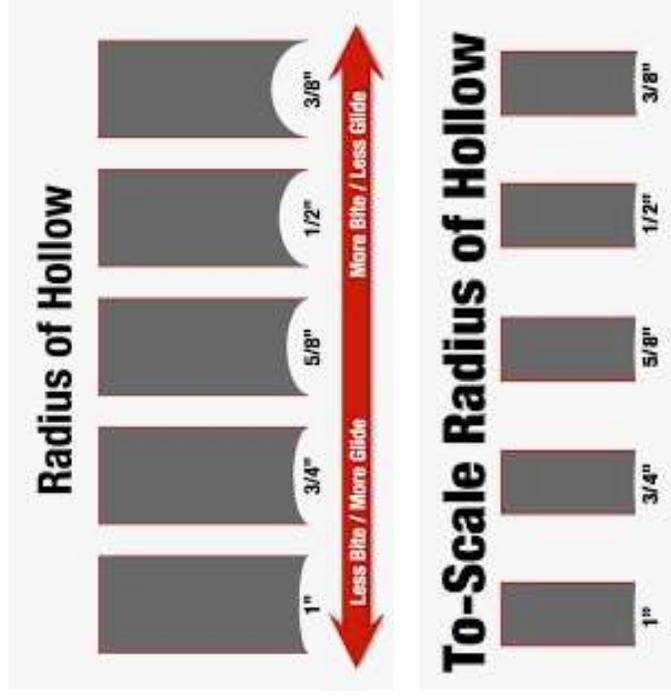


What are sharpeners actually doing?

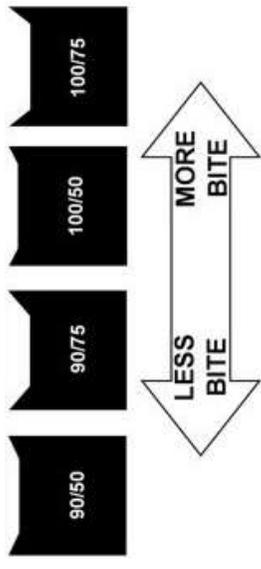
Speed Skate



Done by hand



Flat Bottom V



Standard Blade Types

Hockey Skates
3mm wide
Carbon or Stainless Steel



Goalie Skates
3mm or 4mm wide
Carbon or Stainless Steel



Figure Skates
3.5mm wide
Tempered Carbon Steel
- Chrome Plated
Stainless Steel \$\$\$



Pick Guard

Specialty Blades Types

Black Steel

Carbon Nano-Particle Coating

Can not use a standard hone

- rubber honing stick
- leather chamois



Mirror Steel

Polished Stainless Steel

Use ceramic hone

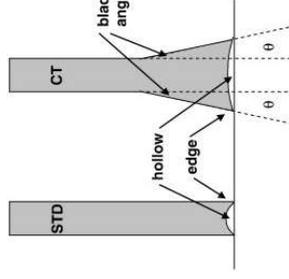


Tapered (Flare) Blades

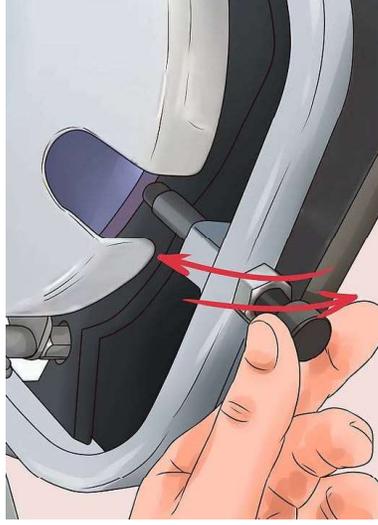
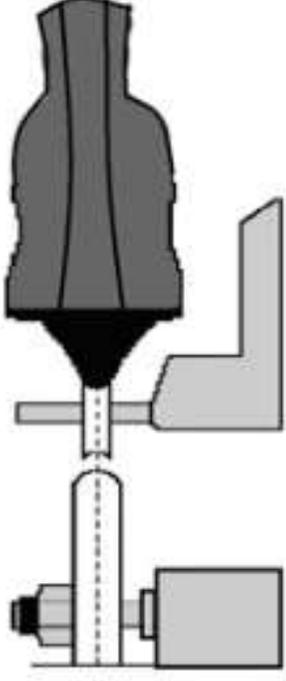
4-5 mm wide

Adjust hollow + 3/8"

Can not use std edge checker



How do we put the profile on the blade?



Diamond Dresser



Spinner

Grinding Wheel Types

Ruby Aluminum Oxide
Contains Chromium
Best for Hard Stainless Steel



Pink Aluminum Oxide
Soft Wheel
Best for Carbon Steel



White Aluminum Oxide
All Purpose Wheel
High Friability



Grits:

60, 80, 100
Blended

Additives:

Bonding Agents
Dyes
Ceramics
Mixed Grains

Not for Skate Sharpening:

Grey Aluminum Oxide
Brown Aluminum Oxide
Silicon Carbide

Sizes:

Wheel Diameter
Wheel Thickness
Arbor Diameter
Example – 8" x 5/16" x 1.25"

SHARPENING WHEEL SIZES:

BM / BS / J-Tek	8 x 5/16 x 1 ¼
Dupliskate	5 ¾ x 9/32 x ¾
Cag One	150 x 6.4 x 32 (mm)
Fleming Gray Swing Arm	6 x ¼ x ¾
Fleming Gray Table Top	8 x 5/16 x ¾
Wissota	7 x 3/8 x ½
EZ Sharp	7 x 5/16 x 1 ¼
Pro Sharp	150 x 6 x 20 (mm)
SSM	150 x 6 x 38 (mm)



Diamond / Spinner Types

Industrial Diamonds:

Real Diamonds – (good quality)

Synthetic Diamonds (lower quality)

Diamonds are sized in Carats:

1/15, 1/7, 1/4

Industrial Diamond Grades:

A, B, C, D

For Skate Sharpening Grade "B"

Exact length is very important!



Quill



Radius Arm



Also known as a Rotary Dresser

Hollows – 3/8" to 1-3/4"

FBV – varies by MFG

Diamond Coated

Can only be used for one individual radius or profile



Machine Types

Portable



Commercial Table Top



Commercial Clamp



Other



Swing Arm



Home Sharpener

Skate Holders



Adjustable



Full Clamp



3-Dial



Goalie



Clamp Assembly



Turn Knob



Figure Skate



Glide Pad