

SSM PRODUKT AB

WHEN SKATE SHARPENING MATTERS

OFFICIAL CATALOGUE

2014

OUR SWEDISH SKATE SHARPENING MACHINES OFFER THE QUALITY AND PRECISION YOU NEED!





SSM

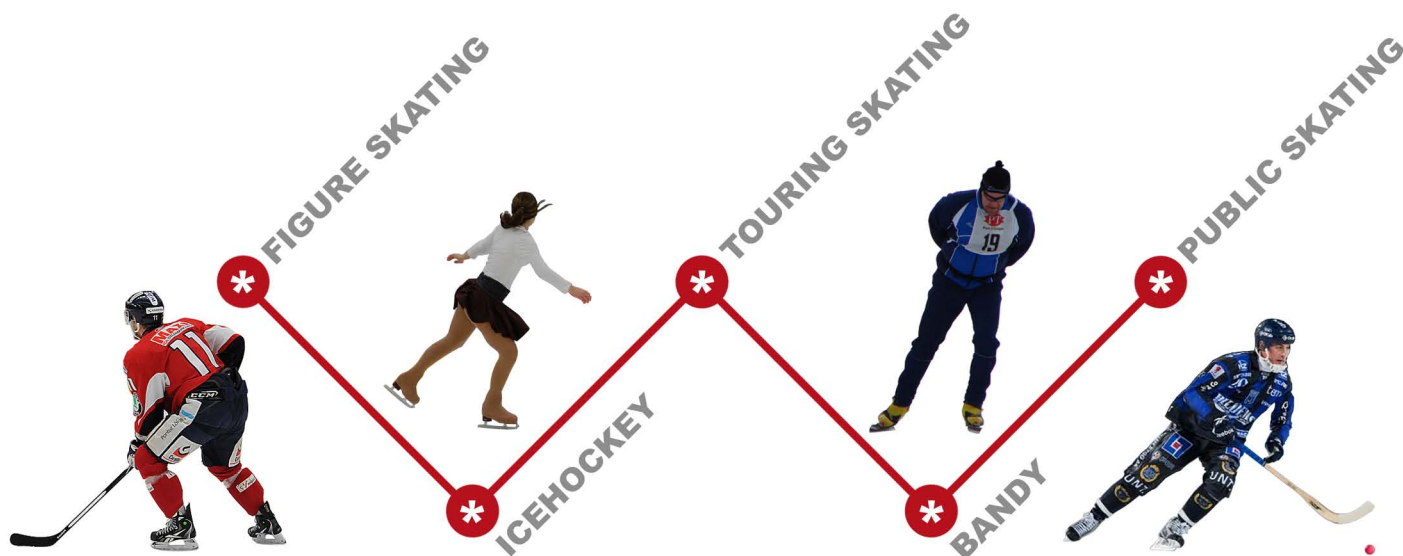
SKATE SHARPENING MACHINES

SSM Produkt AB has been a manufacturer of skate sharpening machines and riveting machines since 1979. The first model was created already in 1968 by the founders of the company (then within another company). The company is located in Uppsala, Sweden.

Our high quality products come with a 2-year warranty. We always focus on quality, precision and ease of operation when we design our products.

The machines are made to last for many years. Every now and then we get machines back for service that are still working after 20 years in use.

Our machines are currently being used world-wide by several national teams and a large number of professional and amateur teams as well as stores, ice rinks and portable ice rinks. Outside Sweden, SSM is normally represented by agents and resellers.



Skate Sharpening Machine SSM-2

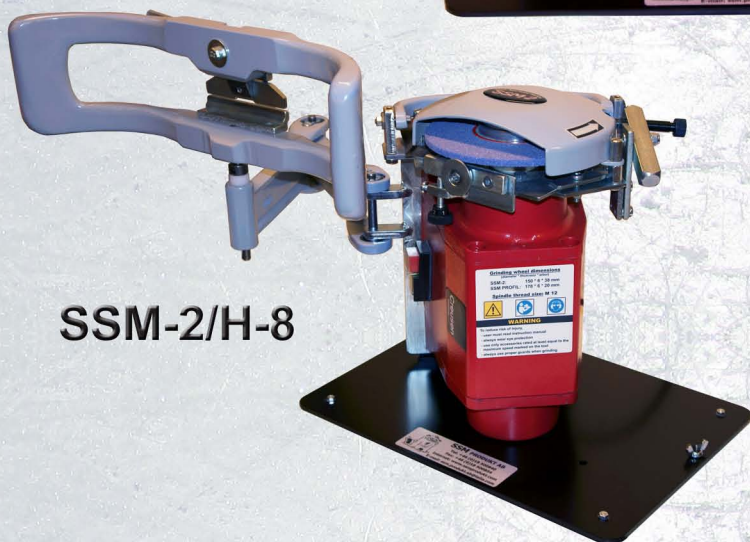
More than 18000 copies of this skate sharpening machine have until now been sold throughout the world. This high quality skate sharpener is intended to do the finishing sharpening (flat or hollow) on skates.

The main advantage with SSM-2 is that it is fast and easy to use. It sharpens with high precision and the result is excellent. The machine weighs only around 14 kg (31 lbs). It is therefore very suitable as a transportable skate sharpening machine. For such use, we have the V-2 transport case available. You can use different skate holders with the SSM-2.

SSM-2 is available in a CE-approved 220-240 V version and an ETL-approved 110-120 V version. The machine is delivered with an instructional DVD in English, Russian and Swedish.

CE

SSM-2/H-10

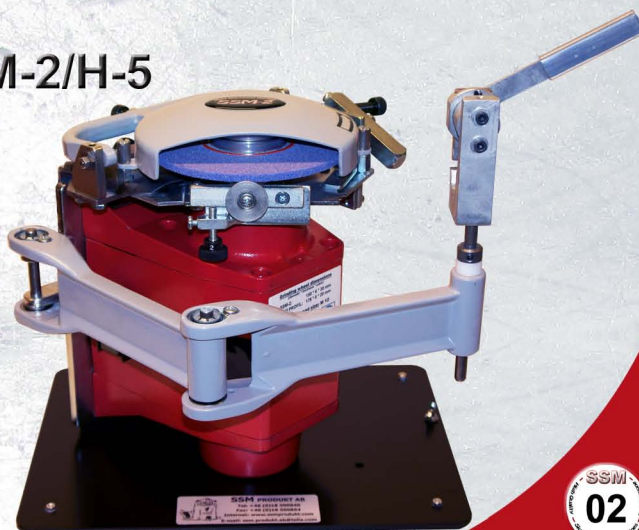


SSM-2/H-8

One skate holder is included with the SSM-2. There are three different holders to choose from, the H-5, the H-8 and the H-10 (with some variants).

With the SSM-2 you can sharpen icehockey skates, figure skates, bandy skates and touring skates!

SSM-2/H-5



By using a leading arm holding the skate blade, and a blade support roller just in front of the grinding wheel, the SSM-2 will position a hollow precisely. This is so even if the blade is not completely straight. Furthermore there is **no possibility that the hollow will be formed diagonally** along the blade.

Skate Sharpening Machine SSM PROFIL

This manual skate profiling machine is a cross-grinding machine (with a vertical grinding wheel) with the purpose of shaping the skate blade after a template. It was created using the best parts from our earlier machines SSM-900 UNIVERSAL and SSM-900 Automatic.

The main advantages with the SSM PROFIL and the vertical grinding wheel are:

- * *Speedy removal of material from the skate blade.*
- * *Very high profiling accuracy.*
- * *The temperature of the skate blade during grinding remains low.*
- * *The fine-adjusting device makes it possible to remove no more skate blade material than necessary.*
- * *Full work pressure against the grinding wheel from the moment of contact with the skate blade.*

You will need a SSM-2 afterwards to do the finishing sharpening (flat or hollow) on the skates. SSM PROFIL is available in a CE-approved 220-240 V version and an ETL-approved 110-120 V version.



SSM PROFIL

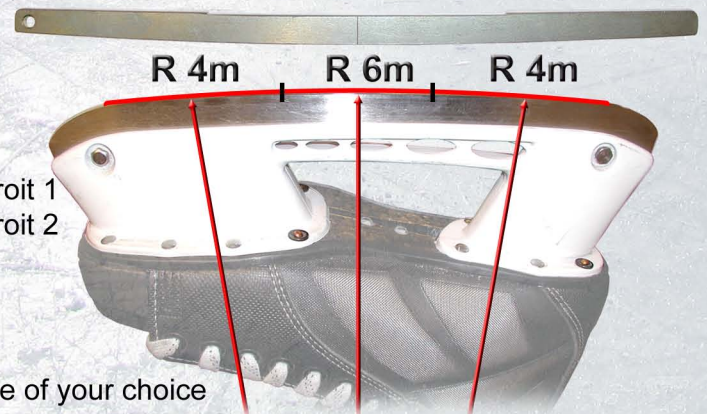


Standard Templates:

R 7 ft (2.13 m)	R 4 m (13.1 ft)	R 10 m (32.8 ft)
R 8 ft (2.44 m)	R 5 m (16.4 ft)	R 3 m + R 6 m, Detroit 1
R 9 ft (2.74 m)	R 6 m (19.7 ft)	R 4 m + R 8 m, Detroit 2
R 10 ft (3.05 m)	R 8 m (26.2 ft)	Flat template
R 11 ft (3.35 m)		

Special Templates:

- Touring skate template
- Standard template with a glide surface of your choice



Four standard templates of your choice are included with the SSM PROFIL.

(Standard templates can be combined to give an almost unlimited choice of shapes on the skate blade). There are a number of standard templates available, but we can also create special templates with shapes of your choice.

SSM PROFIL can also be modified to sharpen touring skates. The normal holder is then to be replaced with an H-LF P holder and the rail underneath replaced with a longer rail.

Our templates for touring skates are the following: R 22 m, R 25 m, R 27 m, R 29 m, R 31 m and R 33 m.

KSPM

Do you have a skate blade with front and rear parts that suit you perfectly? With the auxiliary template KSPM you copy the front and rear part of the old blade onto another blade. The glide surface of the new blade should then be shaped using a ordinary template.



Skate Holders for SSM-2

H-5

- * The classic original holder in a new shape.
- * Small
- * Light weight
- * Very, very strong grip

The H-5 cannot not grip skates with insufficient space between the shoe and the blade of the skate.

H-8

- * The previous version of our universal holder.
- * Very strong grip
- * The bow is cast in aluminium.
- * Can grip almost every skate on the market today.

The H-8 cannot, however, grip speed skates or touring skates.

H-10

- * The latest version of our universal holder
- * Low weight
- * Small with strong grip
- * Can grip all skates on the market today (there might be some exceptions)

The universal skate holder H-10 is nowadays the most common holder.

H-10 S

- * For figure skates only.
- * Grips the figure skate on the stanchions instead of the skate blade.
- * Can grip *Matrix Blades*, *Paramount SK8S* and similar.

This holder is made for normal figure skates and for figure skates that are otherwise hard to grip.

H-10 P

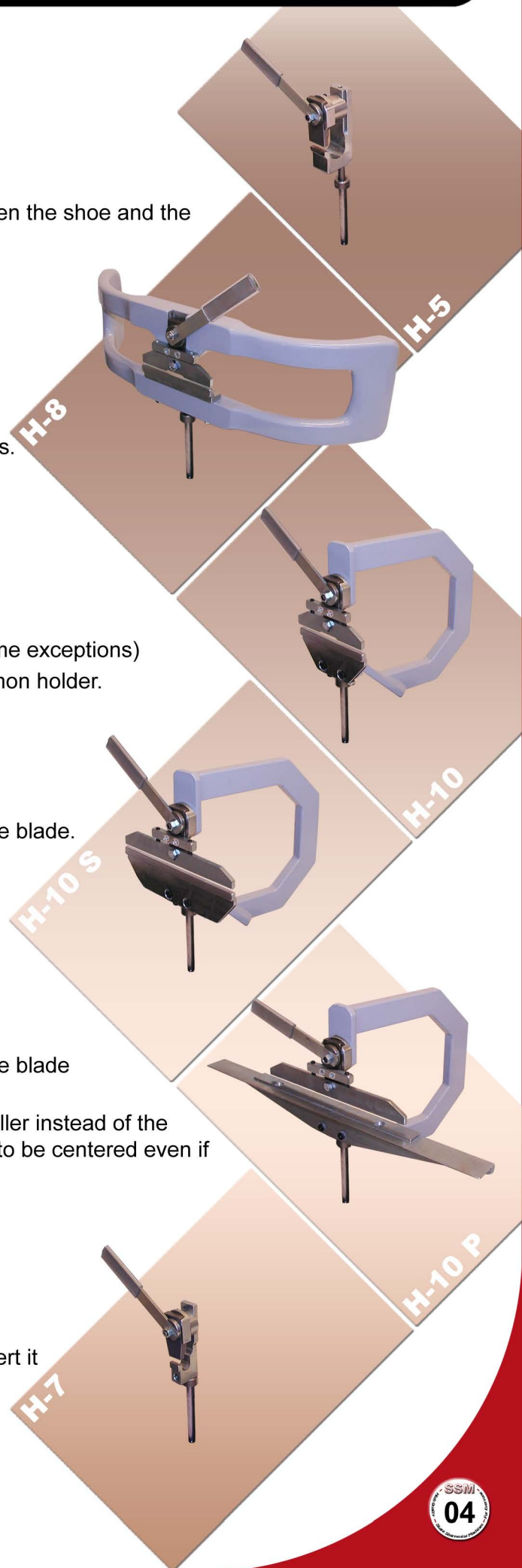
- * For figure skates only.
- * Grips the figure skate on the stanchions instead of the skate blade
- * For *John Wilson* and *MK Blades* figure skates.

The lower jaw of this holder will glide on the blade support roller instead of the skate blade doing so directly. This allows for the hollowness to be centered even if the thickness of the skate blade varies.

H-7

- * Specially designed for goalie icehockey skates.
- * Very small
- * Light weight

This holder functions like a H-5 holder, which means you insert it between the shoe and the blade of the skate.



Optional Extensions to SSM-2

SSM-2/SM-6

This combination gives you the possibility to do both the contouring and finishing sharpening (flat or hollow) using the same machine. SM-6 is an addition to newer SSM-2 machines. It is used to profile the skate lengthwise by copying a suitable template. The SM-6 can be bought separately as well, but then your SSM-2 should be of a "newer" model for it to fit.

When buying the SSM-2/SM-6 package there is an extra holder (H-5 or H-10) included. Four standard templates are included with the SM-6. You can easily dismount the SM-6 in case you need to bring the SSM-2 with you for an away game.

The SSM-2/SM-6 is popular among ice hockey teams where you have the SSM-2 as the regular sharpener and use the SM-6 to occasionally change the glide surface on skates.



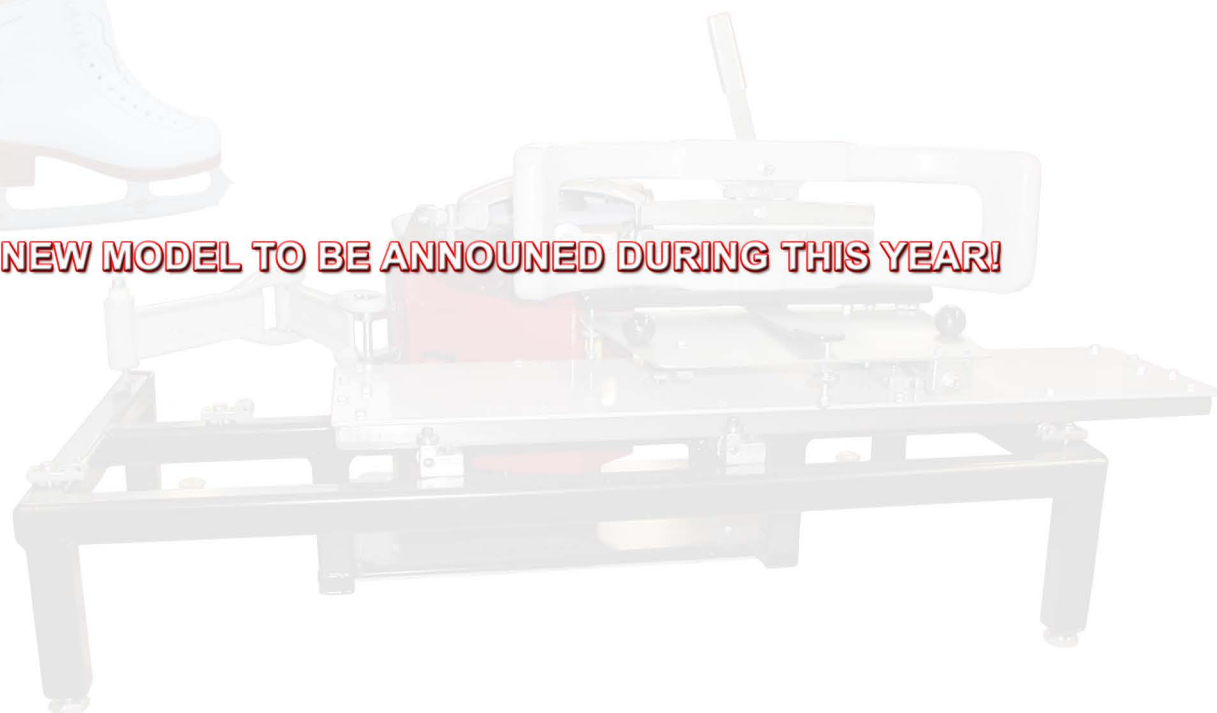
SSM-T26

The SSM-T26 is the ultimate station for figure skates.

Put your portable SSM-2 machine onto the T26 and you can sharpen all figure skates on the market today. This setup is a favourite among figure skating clubs and workshops specialized in figure skates.



NEW MODEL TO BE ANNOUNCED DURING THIS YEAR!



Accessories for SSM-2

Transport case V-2

The V-2 is a transport case for the skate sharpener SSM-2. Its robust design makes it very durable to thrusts and other abuse. There is a tool holder inside.

The V-2 now has new handles which makes it much more comfortable to carry.



Set of blade support rollers

We now offer rollers of different size (in steps of 0.1 mm) for use with the blade support roller assembly. Rollers can then be paired with skate blade thicknesses.

Assume you have adjusted the assembly with some roller to give the hollow centered on a skate blade with some thickness. Then if you have a blade with another thickness, you can just change to another suitable roller and still have the hollowness centered without having to adjust the adjustment screw.



A standard set of rollers contains 4 pcs. with diameters of your choice.

We recommend using a slide calliper if you are going to measure the thickness of skate blades (so you get the precision needed).



For checking the hollowness underneath a skate blade we recommend using a radius gauge measurement tool.



Grinding Wheels

S-2/HP70

Measurements: 150 * 6 * 38/20 mm
Grit size: 70, Special mixture
Color: Yellow

- * Masterly surface finish
- * Significantly better profile retention
- * Cooler grinding
- * Increased wheel life

This new high performance wheel works excellently on all types of skate blades. S-2/HP70 is to be used on a SSM-2.

NEW!

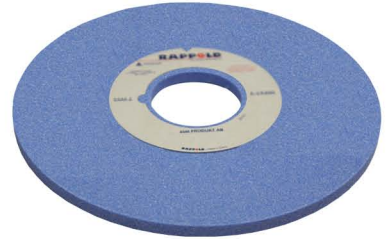


S-2/KB80

Measurements: 150 * 6 * 38/20 mm
Grit size: 80-100, Ceramic mixture
Color: Light Blue

- * Excellent surface finish
- * Excellent form holding
- * Cooler grinding
- * Longer wheel life

This superb grinding wheel works on all types of skate blades. S-2/KB80 is to be used on a SSM-2.



S-2/60

Measurements: 150 * 6 * 38/20 mm
Grit size: 60, Standard grit
Color: Pink

- * Agressive cut
- * Constant surface finishes
- * For carbon steel
- * Cost efficient model

This standard grinding wheel is primarily for skates with a skate blade of carbon steel. S-2/60 is to be used on a SSM-2.



S-2/80

Measurements: 150 * 6 * 38/20 mm
Grit size: 80, Standard grit
Color: White

- * Great surface finish
- * For carbon steel
- * Cost efficient model

This standard grinding wheel is primarily for skates with a skate blade of carbon steel. S-2/80 is to be used on a SSM-2.

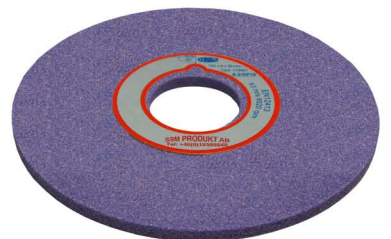


S-2/KB60 and S-4/KB60

S-2/KB60: 150 * 6 * 38/20 mm
S-4/KB60: 178 * 6 * 20 mm
Grit size: 60-70, Special mixture
Color: Purple

- * Agressive cut
- * High metal removal rates
- * Constant surface finishes
- * Best suited for shops

This grinding wheel is for all types of skate blades. S-2/KB60 is to be used on a SSM-2. S-4/KB60 is to be used on a SSM PROFIL.



(The grinding wheel dimensions 150 * 6 * 38 mm correspond to 5.9 * 0.24 * 1.5 inches.)
 (The grinding wheel dimensions 178 * 6 * 20 mm correspond to 7.0 * 0.24 * 0.8 inches.)

Diamonds



D-80

Diamond dresser with a natural diamond of good quality.
Fits both the flat and hollow surface devices of the SSM-2 and SSM PROFIL.



SD-50

Diamond dresser with a synthetic diamond rod having a square cross section.
Its new design makes it sharp during its whole lifetime. Only for the flat surface device.



SD-80

Diamond dresser with a synthetic diamond rod having a square cross section.
Its new design makes it sharp during its whole lifetime.
Fits both the flat and hollow surface devices of the SSM-2 and SSM PROFIL.



Whetstones (hand hones)

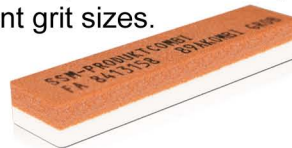
B-SSM and BB-SSM

Whetstone (silicon carbide).
One grit size.



CB-SSM

Whetstone (aluminum oxide).
Different grit sizes.



DB-SSM

Diamond hand hone
Precision tool. Handle with care!



Accessories for skate blades

Blade Edge Checker

This tool allows fast checking if you have even edges underneath the skate blade. You attach both parts as pictured.
If the outer edges are even, then the part that is lying on the skate blade edges will be parallel to the line on the other part.
Otherwise the edges are uneven.



Blade Straightener

This tool is for temporarily bending back a skate blade that has been hit and deformed during a game. Insert the bent part between the ball bearings and press down the upper bearing to get the blade straight.



Riveting Machine NM-11

This riveting machine is primarily used on skates but some functions can also be used on boots. There are five tool sets for the NM-11. With the tools you can attach tube rivets, copper rivets, eyelets and figure skating hooks, remove tube rivets and eyelets. You can also stretch skates and shoes. The NM-11 is stable and easy to use. It has a light weight construction of only 15 kg (33 lbs).



N-21



N-21 is included when buying a NM-11/21. It is used when changing skate blades to remove tube rivets, to attach copper rivets and tube rivets. Copper rivets are removed by cutting them apart with cutting pliers.

N-E

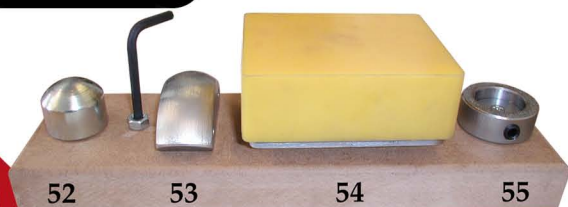
N-RE

V 24



N-E is also included when buying a NM-11/21. It is used for mounting eyelets into lace-holes. N-RE is used for removing eyelets from skates. V 24 together with N-21 (V 2 and V 3) is used to attach hooks on figure skates.

N-41



N-41 is used for stretching a boot or a skate shoe so that it will better fit the foot.

Rivets, Eyelets and Figure skating hooks



SN

Tube rivets for attaching blades on skates.
Available in lengths 8, 10, 12, 14, 16, 18, 20, 22 and 24 mm.
(0.32, 0.40, 0.48, 0.55, 0.63, 0.71, 0.79, 0.87 and 0.95 inch.)



KN

Copper rivets + washers for attaching blades on skates.
Available in 26 mm or 32 mm length (1.0 inch or 1.25 inch).



EL

Eyelets for the lace-holes on skates.
Available in black color.



FH

Figure skating hooks for the upper lace holes on figure skates.
Available in white or black color.



Tool Holder no. 30 for NM-11

This hook together with tool set N-21 can be used on the belt buckles of ski boots for processing tube rivets. It can also be used together with tool 28 and tool 29 for larger rivets (joint rivets with a size up to Ø25 mm) located on the sides of ski boots.



Dust Extractor U-840

For removal of grinding dust and particles we recommend and sell the dust extractor U-840, a welding fume exhaust produced by Nederman. A dust extractor should be attached to our machines when sharpening to minimize the discharges.

This is a dust extraxctor of very high quality. U-840 uses a replaceable filter (U-324) and keeps the same vacuum strength until the filter is full. A filter will be sufficient for approximately 2000 pairs of skates. *The U-324 is treated with flame retardant!*



Dust Extractor NQS500

For removal of grinding dust and particles we recommend and sell the dust extractor NQS500, produced by Numatic. A dust extractor should be attached to our machines when sharpening to minimize the discharges.

NQS500 uses a high quality motor which is extremely quiet and has two different suction levels (high or low). The engine is protected by two different filters. This model uses a real cyclon intake which maximize the spreading of dust inside the filter.



SSM PRODUKT AB

Seminariegatan 33
SE-752 28, Uppsala, Sweden
Tel: +46(0)18 500 840
Fax: +46(0)18 500 854

E-mail: ssm.produkt.ab@telia.com
Internet: www.ssmprodukt.com

