

# SNOW SPORTS



## TUNING & MANUFACTURING



**MANUFACTURER**

**PROVEN**

[www.klingspor.com](http://www.klingspor.com)

800-645-5555



# KLINGSPOR

*The Most Sanding Power for Your Money Since 1893!*

Dear KLINGSPOR Customer,

Thank you for your interest in our quality abrasive products for snow sports repair and tuning.

KLINGSPOR began making abrasives in Germany in 1893. With a rich history in producing products for the winter sports industry, the KLINGSPOR name is synonymous with exceptional quality, excellent service, and *The Most Sanding Power for Your Money Since 1893!*

We hope you will take this opportunity to learn about the KLINGSPOR product line and how it fits into your ski and snowboard tuning and repair process.

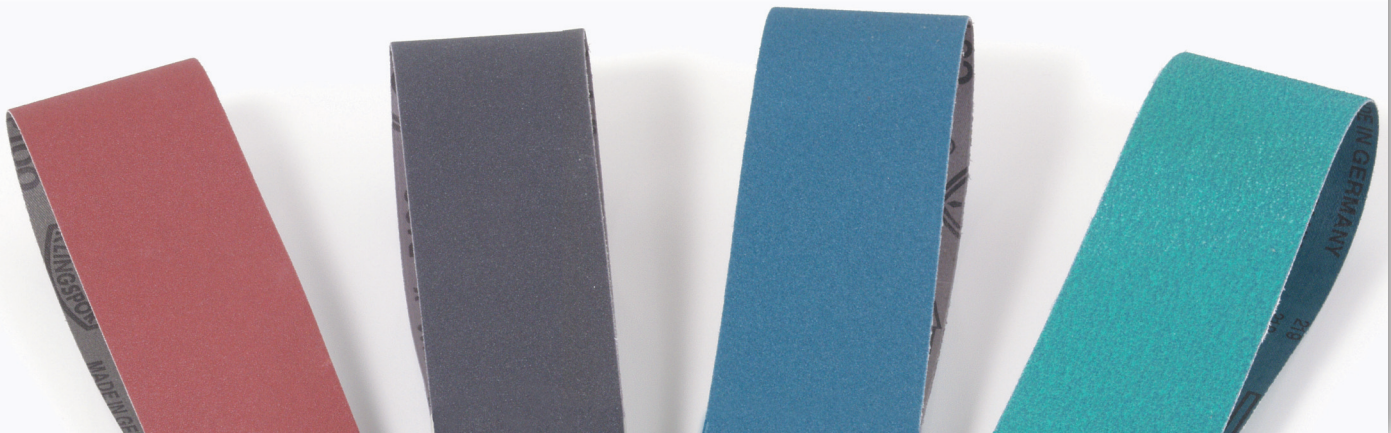
All the best!

Christoph Klingspor

**KLINGSPOR Abrasives, Inc.**

*The Most Sanding Power for Your Money Since 1893!*

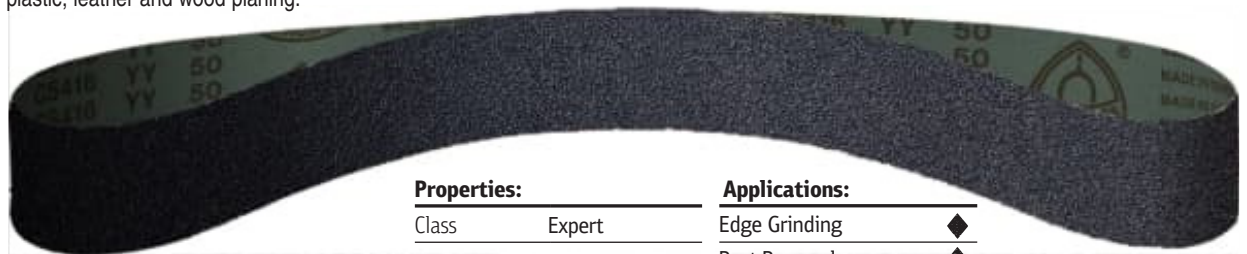
<http://www.klingspor.com>





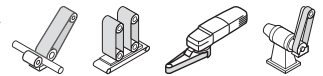
### CS 416Y

**CS 416:** 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.



Properties:		Applications:	
Class	Expert	Edge Grinding	◆
		Rust Removal	◆

**Advantages:** Removes rock scratches and rust. Consistent sharp grain. Leaves and even scratch.

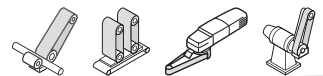


Size Metric	Size Imperial	Grit	Item#	Qty/Pack
20mm x 1200	3/4" x 47-1/4"	80	4160080YX.75474	25
20mm x 1200	3/4" x 47-1/4"	100	4160100YX.75474	25
20mm x 1200	3/4" x 47-1/4"	120	4160120YX.75474	25

Size Metric	Size Imperial	Grit	Item#	Qty/Pack
50 x 1500 mm	3/4" x 59"	80	56-133-080 3	25
50 x 1500 mm	3/4" x 59"	100	56-133-100 3	25
50 x 1500 mm	3/4" x 59"	120	56-133-120 3	25

### CS 416Y

**CS 416:** 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.



Properties:		Applications:		Advantages:	
Class	Expert	Edge Tuning	◆	Leaves and even scratch.	
		Rust Removal	◆		

Size Metric	Size Imperial	Grit
20mm x 1200	3/4" x 47-1/4"	100
20mm x 1500	3/4" x 59"	100

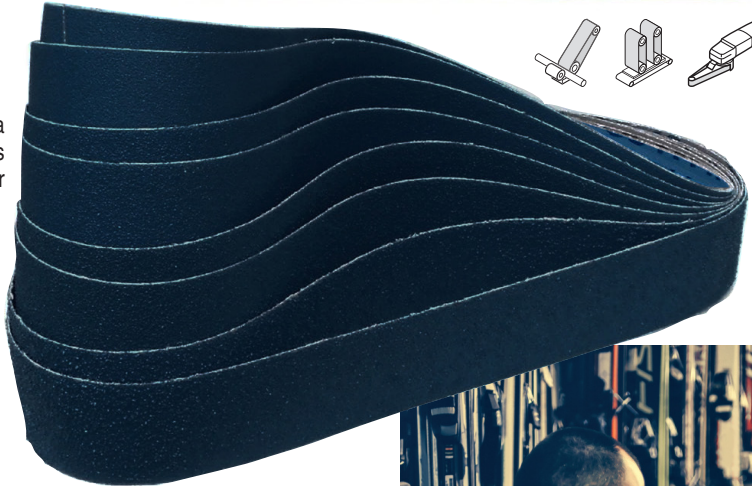
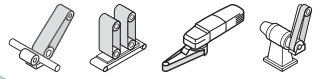




# ◆◆ Expert Base Grinder Premium Portable Belts

## CS 416Y

**CS 416:** 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.



**Properties:**

Class Expert

**Applications:**

Base Grinding ◆  
Edge Base Grinding ◆

**Advantages:**

- High level of aggression when needed for edge of base grinding
- Long service life for both grinding and tuning
- Durable zirconia grains offer excellent cut rates
- Non-clogging when base grinding and tuning

Size Metric	Size Imperial	Grit Range
120mm x 2000mm	5" x 78-3/4"	80, 100, 120, 150
150mm x 2000mm	6" x 78-3/4"	80, 100, 120, 150
320mm x 1300mm	12-1/2" x 51"	80, 100, 120, 150
320mm x 1500mm	12-1/2" x 59"	80, 100, 120, 150
350mm x 1600mm	13-3/4" x 63"	80, 100, 120
350mm x 1935mm	13-3/4" x 76"	80, 100, 120
350mm x 2000mm	13-3/4" x 78-3/4"	80, 100, 120, 150, 180
400mm x 1600mm	15-3/4" x 63"	80, 100, 120



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JOINTS





## CS 416Y

**CS 416:** 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.

Properties:		Applications:	
Class	Expert	Base Tuning	◆

**Advantages:**

- High level of aggression when needed for edge of base grinding
- Long service life for both grinding and tuning
- Durable zirconia grains offer excellent cut rates

Size Metric	Size Imperial	Grit
120mm x 2000mm	5" x 78-3/4"	80
350mm x 1300mm	13-3/4" x 51"	80
350mm x 1600mm	13-3/4" x 63"	80
350mm x 1600mm	13-3/4" x 78-3/4"	80
400mm x 1600mm	15-3/4" x 63"	80

### FINISH BELTS

350mm x 1600mm	13-3/4" x 63"	Cork
350mm x 2000mm	13-3/4" x 78-3/4"	Cork

## CS 416Y

**CS 416:** 100% Alumina Zirconia semi-open coat on a heavy or extra heavy polyester backing for high pressure production situations grinding steel, stainless steel, non-ferrous metals, plastic, leather and wood planing.

Properties:		Applications:	
Class	Expert	Base Tuning	◆

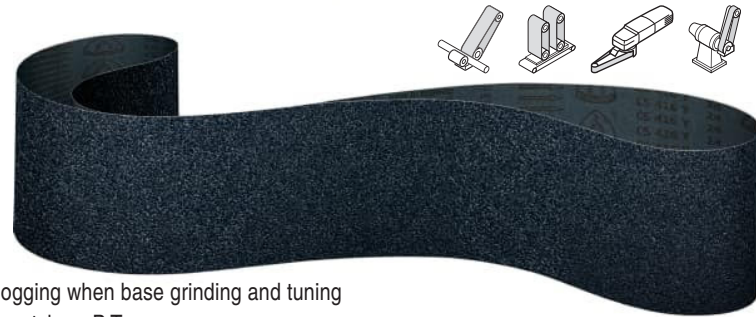
**Advantages:**

- Long service life for both grinding and tuning
- Durable zirconia grains offer excellent cut rates
- High level of aggression when needed for edge of base grinding
- Non-clogging when base grinding and tuning
- Even scratch on P-TEX
- Wax preparation

Size Metric	Size Imperial	Grit
120mm x 2000mm	5" x 78-3/4"	80
350mm x 1300mm	13-3/4" x 51"	80
350mm x 1600mm	13-3/4" x 63"	80
350mm x 1600mm	13-3/4" x 78-3/4"	80
400mm x 1600mm	15-3/4" x 63"	80

### FINISH BELTS

350mm x 1600mm	13-3/4" x 63"	Cork
350mm x 2000mm	13-3/4" x 78-3/4"	Cork



- Non-clogging when base grinding and tuning
- Even scratch on P-TEX
- Wax preparation





# Non Woven Belts



A Non-Woven is an abrasive product in the sense that there is an abrasive grain attached to a substrate via a binder resin. A 3 Dimensional web of thin nylon fibers acts as the substrate the abrasive grain is embedded in and attached to. This differs from a traditional coated abrasive where the abrasive grain is attached to the 2 Dimensional flat surface of a paper or cloth backing.

**Properties:**

Class	Expert-only Polishing
-------	-----------------------

**Applications:**

Metals	◆
Stainless Steel	◆
NF Metals	◆

Size Metric	Size Imperial	Grit Range
350mm x 1300mm	13-3/4" x 51"	180
350mm x 1600mm	13-3/4" x 63"	180
350mm x 2000mm	13-3/4" x 78-3/4"	180

**Advantages:**

- High level of forgiveness when needed for base polishing
- Long service life for both blending and polishing
- Non-clogging when base blending and polishing

**Cleaning / Surface Prep**  
This is the initial step to begin the surface preparation for a finished product. Kling-spor Non-woven materials will accomplish surface prep tasks like rust removal, paint removal, and overall enhancement of scratch patterns.

**Deburring**  
Deburring involves removing the imperfections of shar/rough edges. Stamping processes leave metal burrs behind that require removal as a prominent process.

**Blending**  
Creating uniform finishes, blending makes different surface qualities more equal leaving them burr-free and smooth.

**Finishing / Polishing Preparation**  
Improving the overall finish and preparing the surface for further enhancement is typically the final step with non-woven materials. Kling-spor non-woven materials offer repeatable, consistent finishes in most applications.

**Low Stretch Scrim Back (NWLS) Qualities**

- Tight/compact non woven fibers
- Thicker and harder resin coating
- Best for deburring
- Slightly more aggressive for harder materials

Material	Coarse	Medium	Very Fine	Super Fine
Color	Brown	Maroon	Blue	Grey
Grain	AO	AO	AO	SiC
Grit	80	180	320	600

Size Metric	Size Imperial	Grade
150mm x 2000mm	6" x 78-3/4"	Standard, Top Tier
350mm x 1300mm	13-3/4" x 51"	Standard, Top Tier
350mm x 2000mm	13-3/4" x 78-3/4"80,	Standard, Top Tier

**Advantages:**

- High level of forgiveness when needed for base polishing
- Long service life for both blending and polishing
- Non-clogging when base blending and polishing





# Non Woven Hand Pads

## SURFACE CONDITIONING HAND PADS

6" x 9" Non-Woven Hand Pads / 20 Pack

Use these hand pads as a replacement for steel wool to remove rust or to clean and polish metal surfaces.

Material #	Color & Description	Price
4396 (NWAG)	Green General Purpose/Very Fine	\$39.61
4660 (NWAFF)	Maroon Fine	\$30.45
4630 (NWAU)	Gray Ultra fine	\$39.61
4223 (NWAU)	White No Abrasive	\$47.50
4790 (NWAX)	Brown /Coarse (Extra Cut)	\$77.38
4650 (NWAM)	Gray/Black Medium S/C	\$39.61

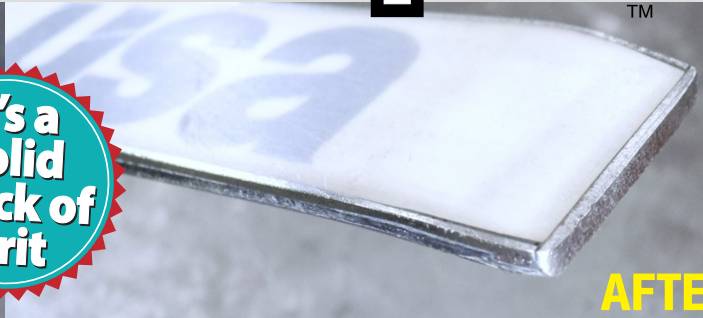
### HAND PAD HOLDER

uses 1/2 of standard size hand pad..... \$6.23



**REMOVE DEBRIS & RUST ON SKIS ANYTIME!  
CLEANS • POLISHES • USE WET OR DRY**

# sandflex

**It's a Solid Block of Grit**

Sandflex is a multi-purpose scrub block that is perfect for many jobs around the workshop and around the home. The three different grades allow you to accomplish a variety of cleaning, scrubbing, and polishing jobs. Sandflex is unlike any product you have ever used before.

Sandflex is a multi-purpose scrub block that is perfect for many jobs around the workshop and around the home. The three different grades allow you to accomplish a variety of cleaning, scrubbing, and polishing jobs. Sandflex is unlike any product you have ever used before.

To use your Sandflex blocks, choose the appropriate grade for the job and rub as you would with an eraser. It's that easy! To aid in achieving the desired results, water, oil, etc. may be used along with Sandflex. Sandflex may also be shaped prior to use by simply "carving" it with a knife to the shape you need. Because there are scrubbing grits throughout the block, you will always be assured that Sandflex will not dull or lose its scrubbing power.

Before using Sandflex, keep in mind: do not use on painted surfaces unless you are attempting to remove or "scuff" the existing paint; do not use on coated or plated surfaces; always test Sandflex in an inconspicuous place before using.

- Cleaning table saw tops to a smooth, silky finish
- Bandsaw tables and jointer tables will be smoother than when you bought them
- Clean rust and scale from chisels, carving tools and saw blades
- Put an unbelievable shine on stainless steel kitchen sinks and pots & pans
- Scrub soap scum and dirt from showers (ceramic only) and toilet bowls
- Clean solid surface materials like Corian® (it will even sand the joints when countertops are installed)

- 3" x 2" x 3/4" SANDFLEX BLOCK**
- Coarse SA99999 ..... \$5.99
  - Medium SA99998 ..... \$5.99
  - Fine SA99997 ..... \$5.99
- 3 SANDFLEX BLOCKS (one of each grit)**
- SA99996 ..... \$14.95
- Still not sure if you will use them, try the PERFECT 3PC SAMPLER PACK (C/M/F) SA99995..... \$3.49**



scan to watch  
TUNING SKIS WITH  
**sandflex**  
HAND BLOCKS







# KLINGSPOR

*The Most Sanding Power for Your Money Since 1893!*<sup>TM</sup>

KLINGSPOR Abrasives, Inc.  
PO Box 2367  
Hickory, North Carolina 28603-2367

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