



# POLISHING GUIDE



## Our Company

KLINGSPOR is a manufacturer of high-quality abrasives for over 125 years. We have been serving our customers in the United States from our manufacturing and distribution facility in Hickory, NC since 1979.



Our product range includes a variety of polishing products for polishing, such as polishing wheels, Airway Buffs, and polishing compounds.

KLINGSPOR is a global player with headquarters in Germany, where highly-skilled experts develop all the different products for your applications. We control each production step ensuring you *The Most Sanding Power for Your Money Since 1893!*<sup>®</sup>

## Service & Quality

- ✓ One of the 5 leading manufacturers of Abrasives worldwide with over 125 years of experience
- ✓ Team of technical specialists
- ✓ Factory-trained sales representatives all over the US
- ✓ Variety of products for polishing applications
- ✓ Custom size products
- ✓ ISO certification guarantees consistent quality
- ✓ oSa certified products for your safety
- ✓ Fast lead times



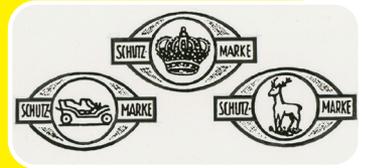
## Experience

Polishing, and finishing operations are synonymous with the KLINGSPOR name. As a long-time supplier to the polishing industry, KLINGSPOR strives to offer only the finest products with a focus on the future. For over 125 years, KLINGSPOR has been at the forefront of abrasive technology and innovation producing abrasive products specifically for metal polishing, and for general metal finishing functions. As this industry grows and new demands for better performing products are needed, KLINGSPOR is committed to continue to develop these materials. With this commitment, KLINGSPOR has solidified its place as the leader in the polishing markets.

Our experience in these industries makes us uniquely qualified to be your trusted source for your polishing needs.

Our Factory Sales Representatives cover most regions of the US and can help you first-hand with expert advice.

*The original Klingspor logo  
from over 125 years ago.*



## Your Contact



Our polishing industry specialist will be happy to help with any questions.

**Preston Setzer**

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# Polishing Wheels

## KPW - KLINGSPOR Polishing Wheels

1ST 3 LETTERS:	4TH LETTER (Material):	3 DIGIT DIAMETER IN MM:	2 DIGIT THICKNESS IN MM:	2 DIGIT ARBOR HOLE IN MM:	1 DIGIT STITCH PATTERN:	1 OR 2 DIGIT STITCH SPACING:
KPW	Cotton Treated (C)	4" (100)	1/4" (06)	1/4" (06)	Spiral (A)	1 (1 inch)
	Sisal (S)	5" (127)	3/8" (10)	3/8" (10)	Concentric (B)	.5 (1/2 inch)
	Bramante (B)	6" (150)	1/2" (12)	1/2" (12)	Loose 1 Stitch (C)	.25 (1/4 inch)
	Sisal/Bramante (S/B)	10" (250)	3/4" (20)	3/4" (20)	Loose 3 Stitch (D)	
		12" (300)		1" (25)	Loose 2 Stitch (E)	
		14" (350)		1-1/4" (32)		
		16" (400)				
		18" (460)				
<b>KPW</b>	<b>B</b>	<b>150</b>	<b>25</b>	<b>20</b>	<b>A</b>	<b>1</b>

**Cotton Treated** - Cotton Treated is a material that has been chemically treated to add more aggression to the material. This material will help you get to a fairly high finish.

**Sisal** - Sisal is the most aggressive material it is meant to cut. This material will give a dull finish

**Bramante** - Bramante is the least aggressive material. It is meant for strictly coloring a workpiece. This material will give you the brightest finish.

**Sisal/Bramante** - Sisal/Bramante is a mix of sisal material and bramante to give a mix of both cut and color. This material will give you a moderate finish.



The KLINGSPOR buffing wheel and compound line-up meets most needs for both cut buffing and color buffing. With a variety of stitch types and cotton materials, the KLINGSPOR program can benefit users in a range of production and fabrication environments. Both standard buffing wheel types and airway buffs are available to accomplish the cut or color tasks at hand.

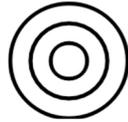
## Stitch Types



### Spiral

Cut Buffing ■■■■■□□  
Color Buffing ■■■■■□□

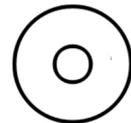
Spiral polishing wheels are spirally sewn from the center to near the edge of the wheel. The type of stitch makes these wheels firm, and excellent for cutting and polishing.



### Concentric

Cut Buffing ■■■■■□□  
Color Buffing ■■■■■□□

This type of wheel is made of individual fabric sheets, sewn from the center in increments of space completely around the wheel. Typically in 1/2" to 3/4" thick, and due to the type of the stitch, is a firm cutting and polishing product.



### Loose

Cut Buffing ■■■□□□□  
Color Buffing ■■■■■■□

This type of wheel has a circle of stitches near the center of the wheel which allows the individual to work more freely. These polishing wheels are very flexible and soft, making them ideal for hard-to-reach and color buffing.

# Airway Buffs

## AWB - Airway Buff

1ST 6 LETTERS:	2ND LETTER MATERIAL:	3 DIGIT DIAMETER IN MM:	2 DIGIT ARBOR HOLE IN MM:	2 - 3 DIGIT PLY:
AWB	Cotton (B) Cotton (C) NWT CR NWT MD NWT FN NWT VF	12" (300) 14" (350) 16" (400)	5" (127)	4 Ply (4P) 16 Ply (16P)
<b>AWBNWT</b>	<b>FN</b>	<b>400</b>	<b>127</b>	<b>4P</b>

Only AIRWAY BUFFS are available with a 5" Arbor ring and come in 14" and 16" wheels  
KPWREDUCT5TO1-1/2                      STEEL REDUCTION 5"to 1-1/2"

**Cotton (B)** - Cotton(Bramante) is the least aggressive material. It is meant for strictly coloring a workpiece. This material will give you the brightest finish.

**Cotton (C)** - Cotton Treated is a material that has been chemically treated to add more aggression to the material. This material will help you get to a fairly high finish.

**NWT** - Non-Woven is a special material focused on giving a bright finish while removing some material and is offered in different grits. This material can give you a bright finish.



# Polishing Compounds

Polish Compounds	Treated Sisal	Natural Sisal	Mill Treated Cotton	Denim	Canvas	Natural Cotton	Flannel
KPC2U	•	•	•				
KPC3U			•	•	•		
KPC4S				•	•	•	
KPC5S						•	•
KPC4SF			•	•	•	•	

• Recommended

KPC2U- 20% Color 80% cut • KPC3U- 50% Color 50% cut • KPC4S- 70% Color 30% cut • KPC4SF- 80% Color 20% Cut • KPC5S- 100% Color

## KPC2U Product Features / Benefits:

Heavy cut compound, 80% cut and 20% color. Ideal for stainless steel, carbon steel and hard aluminum, for pre-polish process. Will remove some light scratches from previous sanding. **KPC2U - HEAVY CUT GREEN**

## KPC3U Product Features / Benefits:

Medium cut compound. 50% cut and 50% color. Ideal for start polishing non-ferrous metals. Removes some minor scratches from previous sanding. Suitable for use with bias airway buff, cotton & denim wheels. **KPC3U - MEDIUM CUT WHITE**

## KPC4S Product Features / Benefits:

For mirror finishing process. Provides a great shine, 30% cut and 70% color. Final step after pre-polish with either KCP2 or KCP3. Used with treated and non-treated airway buff wheel, sewing cotton wheels or felt fabric. Offers shine finishing for all metals in general. **KPC4S - UNIVERSAL FINISHING RED**

## KPC5S Product Features / Benefits:

Compound for a high gloss. Extra shine for metals in general. Excellent for jewelry, some plastics and paint. Mostly used with flannel, cotton and felt. **KPC5S - UNIVERSAL FINAL FINISH YELLOW**

## KPC4SF Product Features / Benefits:

Suitable for mirror polishing on all kinds of metal surfaces especially stainless steel in manual or automatic polishing processes. Also very good results on titanium and chrome. **KPC4SF - SUPER FINISH BLUE**



## Felt Products

2" x 1" x 1/4"	FBANAFM-050025
4-1/4" x 4" x 5/8"-11	FBBNAFM-110100
4-1/4" x 4" x 3/4" keyway	FBCNAFM-110100
2" QRC	QRCF1200 Per Box of 25
3" QRC	QRCF1300 Per Box of 25
4-1/2" x 7/8" Felt Polishing Disc	FPD600115022
5" x 7/8" Felt Polishing Disc	FPD600125022

**We also offer:**



Bonded Abrasives



Non-woven Abrasives



Tools



Safety Equipment

***and a lot more.***



**KLINGSPOR**

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

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