



Product Guide Aircraft Industry



® oSa certified
products for
your safety!



ISO 9001 certification
guarantees high
quality products!

Company

KLINGSPOR is a manufacturer of sanding and grinding products for over 125 years. The US headquarters in North Carolina offers high quality products for industrial applications including more than 50,000 tools for all your cutting, grinding, polishing and stock removal jobs no matter which material you are working on.



Service

You will realize superior value with our great product line, a team of technical specialists and our factory-trained sales representatives all over the US.

Our knowledge of various industrial applications allows us to find the perfect product for your application.

KLINGSPOR is the leader in on-time error-free delivery, shipping 99% of its orders within 24 hours.

This helps you to control your inventory levels, reduce costs and ultimately gain peace of mind and faith in your abrasive supplier.

KLINGSPOR & the Aircraft Industry

KLINGSPOR is supporting the aircraft industry since 1991. Our experience in this market makes us the perfect partner for all your sanding applications.

More than 800 different items in our product range are specialized for aircraft applications.

Countless customers already trust in KLINGSPOR for high-quality products and excellent customer service.



Applications

KLINGSPOR offers high quality solutions for all your abrasive needs including:



Painting & Stripping



Component Manufacturing



Metal Fabrication

Your Advantages

- ✓ High quality products are guaranteed by our ISO 9001 certification
- ✓ Different forms and shapes allow flexible usage on flat and contoured surfaces
- ✓ Longevity
- ✓ Small products for easy usage in tight areas
- ✓ oSa certified for your safety

Safety

Make sure you always wear safety products when using abrasives to create a healthy work environment. KLINGSPOR offers a complete line of high quality safety products.



KLINGSPOR is a founding member of the oSa® (Organization for the Safety of Abrasives). Abrasive manufacturers in this voluntary association commit to adhering to all European safety standards applicable to abrasive tools and to promote and enforce stricter production and testing regulations. This includes operating a quality management system at each of its locations, possessing test records, submitting product samples for independent, destructive testing and regular factory inspections.

The oSa® label guarantees an extraordinary high level of safety.



GREENTEC DISCS

Produced with our patented T-ACT technology

Durability, life and extended edge wear

More consistent, blemish-free finish



Three layers for highest performance:

- ▶ 3 Mil film or C-weight paper backing
- ▶ Premium Aluminum Oxide Grains
- ▶ Proprietary new T-ACT coating

KLINGSPOR's new GreenTec Sanding Disc offers a longer, more consistent cut and ultimately, a better finish. The applications are vast. Produced utilizing our patented, proprietary T-ACT technology, you can be assured of longer life from reduced loading and heat while leaving a more consistent finish.

The material ensures heavy stock removal without loading in the coarser grits featuring a combination of C-weight paper backing and aluminum oxide grains. Use the disc in finer grits with a film backing for a consistent blemish-free finish.

Tested against our leading competitors, our GreenTec material showed significantly higher performance and provided a tighter, more consistent scratch.

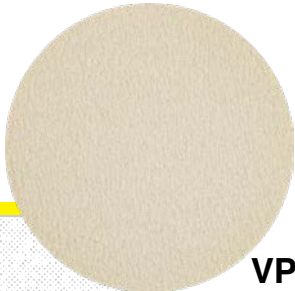
Kling-on® Hook & Loop Discs

Kling-on® Discs offer the user the convenience of fast, easy changing, eliminating the need for mounting tools and adhesives, thus minimizing costly downtime. They are versatile for stock removal as well as ultra-fine finishes. They are offered in different hole patterns!



Also available as Disc Rolls and PSA!

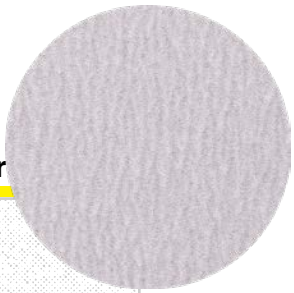
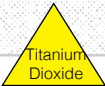
- ✓ Fast and easy changes
- ✓ No mounting tools needed



PS 33 Aluminum Oxide Paper

Backing: B/C Paper
 Coating: Semi-open
 Diameters: 4", 4-1/2", 5", 6", 8", 11"
 Grit range: 40-1500
 Delivery
 Forms: Hook & Loop Discs, PSA Discs, PSA Disc Rolls

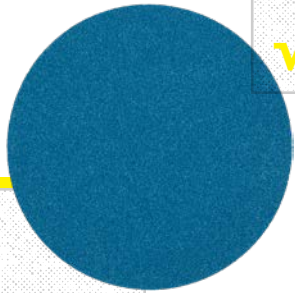
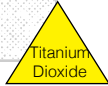
✓ High removal rate



VP 73W Aluminum Oxide Stearate Paper

Backing: Latex
 Coating: Semi-open
 Diameters: 5", 6", 8"
 Grit range: 80-320
 Delivery
 Forms: Hook & Loop Discs, PSA Disc Rolls

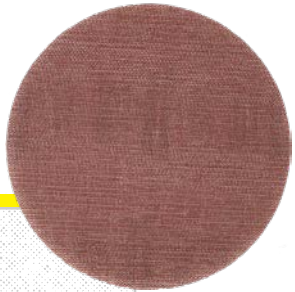
✓ Longer edgewear and life



PS 36 Alumina Zirconia Paper

Backing: C/D Paper
 Coating: Semi-open
 Diameters: 5", 6"
 Grit range: 36-220
 Delivery
 Forms: Hook & Loop Discs, PSA Discs, PSA Disc Rolls

✓ Consistent Finish



KLINGNET

Produced from a strong mesh net material
 Diameters: 5", 6"
 Grit range: 80-1000
 Delivery
 Forms: Hook & Loop Discs

✓ Enhanced dust collection capabilities

Quick Change Discs

Quick Change discs are disposable discs with various backing and attachment methods. They are staple items in many production shops because they offer instant disc changes, assurance that disc is centered and they are smooth running. These products work well on flat and contoured surfaces.

KLINGSPOR offers different connection methods, which are available in 1" - 4" diameters.

QDC (Quick Disc Connect)

QDC discs have a T-lock top that fits securely into the raised hub with a slot on the backing plate and are connected to the machine with a mandrel.



QMC (Quick Metal Connect)

QMC discs are placed on holder backs that are simply screwed on a threaded pin.

QRC (Quick Roll Connect)

have a common male hub directly on the disc back which mounts easily into our Quick Roll Connect holder or into the popular Roloc holder pad.



Perfect for tight areas



Quick and safe product changes

How to choose the best abrasive for your needs:

Application	Recommended Abrasive	Options	Description	QDC	QMC	QRC
Removal of material, Polishing	Coated	Aluminum Oxide	Preferred grain for wood applications. An all-round solution for steel and NF metals.	•	•	•
		Alumina Zirconia	Durable, aggressive grain for steel and stainless steel applications. Stainless steel applications often require a lubricated disc.	•	•	•
		Ceramic	Aggressive grain for high stock removal for usage on hard metals. Perfect for applications requiring aggression or disc longevity. Stainless steel applications require a lubricated disc.	•	•	•
Blending, Deburring	Non-woven	Heavy duty grade (Scrim backed)	Ideal option for light material removal and deburring	•	•	•
		Light grade (Buff&Blend)	Soft scratch pattern for surface conditioning and satin finish		•	•

**QDC
Quick Disc Connect**

Diameters: 3/4", 1",
1-1/2", 2", 3", 4"
Grit range: 24-320
Coarse, Medium, Very fine
Grain types: Aluminum Oxide, Alumina
Zirconia, Ceramic, Lubricated
versions, Non-woven

✓ Two steel mandrel sizes fit every disc

Double sided version available



Carbon
Black,
Dust,
Dimethylformamide

**QMC (Type II)
Quick Metal Connect**

Diameters: 1-1/2", 2", 3"
Grit range: 24-320
Coarse, Medium, Very fine
Grain types: Aluminum Oxide, Alumina
Zirconia, Ceramic, Lubricated
versions, Non-woven

✓ Simply screwed on a threaded pin

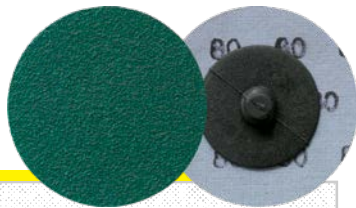


Carbon
Black,
Dust,
Dimethylformamide

**QRC (Type III)
Quick Roll Connect**

Diameters: 1-1/2", 2", 3"
Grit range: 24-320
Coarse, Medium, Very fine
Grain types: Aluminum Oxide, Alumina
Zirconia, Ceramic, Lubricated
versions, Non-woven

✓ Fits into the popular Roloc holder pad



Carbon
Black,
Dust,
Dimethylformamide



**Ask for suitable
mandrels and holder pads!**

△ Please have a look on the back side of this book for California Proposition 65 warnings!



Non-woven Abrasives

Our non-woven nylon abrasives have definite advantages over normal coated abrasive products in certain applications. Manufacturing companies all over the country are realizing this fact and the growth of this segment of abrasive usage is tremendous. KLINGSPOR's line of abrasive impregnated non-woven products is one of the finest on the market today.

Heavy "Scrim" backed materials for belts and discs are available to meet the most stringent needs of metalworking operations from aluminum to stainless steel. A variety of finishes can be achieved with the "grit" selections in the line - coarse, medium and very fine. Our lighter weight non-woven material is available for hand use and orbital sanders in grades coarse, fine, general purpose/very fine, ultra fine, and white no abrasive version.

- ✓ Variety of finishes
- ✓ Perfect for polishing & blending



Grit	Recommended Applications
Coarse	Leaves a non-directional scratch pattern and is perfect for deburring, light grinding, and processing TIG welds
Medium	Perfect for blending and cleaning most types of metals and steels. Cleans the workpiece without gouging the base material.
Very fine	Great for cleaning and finishing, leaves a pleasant finish on most metals and steels and is perfect for post weld removal cleaning.

Hand Pads

Size: 6" x 9"
Box Quantity: 10

- ✓ Clean and polish metal surfaces

Hand Pad Holder available!



Rolls

Widths: 4", 4-1/2", 5", 7", 9"
Thicknesses: 1/4"

- ✓ Universal use on steel and stainless steel



Belts



Forms:

- ▶ File Belts (Widths: 1/2", 3/4", 1", 1 1/8", 1 1/4", 1 1/2")
- ▶ Wide Belts (Widths: 19", 36", 37")
- ▶ Backstand Sander Sizes (Widths: 2", 3", 4")
- ▶ Platen Sander Sizes (Widths: 1", 2", 2 1/2", 3", 3 1/2", 4", 6")

✓ Optimized sizes for most common machines

Dust

Discs



Size: 4", 4-1/2", 5", 6", 7", 8"

Backs: Heavy duty grade:
Scrim back
Light grade:
Clean & Polish (Plain or Kling-on)
Buff & Blend

✓ Perform variety of functions

Backing pads available!

Dust

Cut-off Wheels

As one of the world's leaders in the production of cut-off wheels, KLINGSPOR has the ideal wheel for virtually any application and machine. They have high cutting capacities and superior rates of wear. Our cut-off wheels fulfill highest safety standards.

Thin cut-off wheels have a lower burr formation while the thicker ones offer a high stability to cut thick materials.


✓ High cutting capacities

✓ Superior wear rates





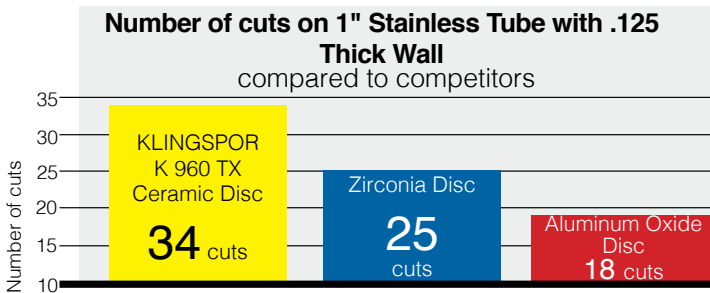
K960TX Special for Stainless Steel, Container Construction, Carbon Steel, Metal fabrication

Diameters: 4 1/2", 5"
Thickness: .045"
Form: 
Box Quantity: 25

✓ Outstanding performance in daily use




We tested our K 960 TX against our competitor's discs. The KLINGSPOR wheel has by far the highest cutting capacities.



A60N Supra for NF metals, Aluminum, Copper, Brass




Diameters: 4 1/2", 5"
Thickness: .045"
Form: 
Box Quantity: 25

✓ Soft structure prevents loading

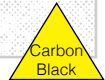


A660R Supra for Steel, Stainless Steel





Diameters: 2", 3", 4"
Thicknesses: 1mm, 1/16"
Form: 
Box Quantity: 25

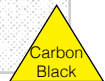
✓ For universal use in hard to reach-areas



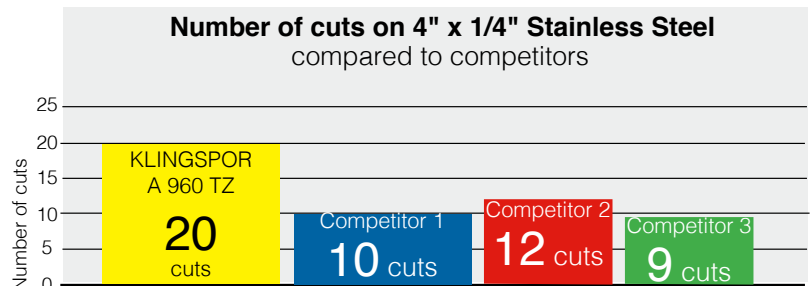
A960TZ Special for Stainless Steel, Container Construction, Carbon Steel, Metal fabrication

Diameters: 4 1/2", 5"
Thickness: .045"
Forms: 

Box Quantity: 25

✓ Short cutting times and long service life



We tested our A 960 TZ against our competitor's discs. The KLINGSPOR wheel is characterized by its longevity.



Cartridge Rolls

Cartridge Rolls will fit into those tight corners, grooves, angles, and holes that most abrasive tools won't. Especially suited for grinding on ferrous and non-ferrous metals, these little wonders will make your finished piece look like you've gone the extra mile. Available in premium aluminum oxide or alumina zirconia for more demanding applications.



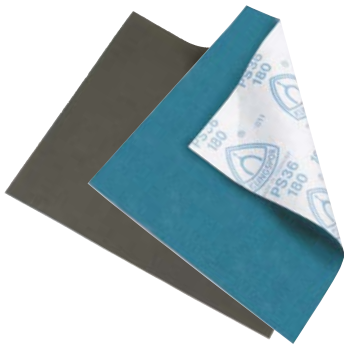
Flap Discs

Flap Discs have become commonplace in many production facilities and job shops. KLINGSPOR, the true innovator of the flap disc design, continues to be at the forefront in developing new types of these versatile discs. Effective for multitudes of grinding and finishing operations, KLINGSPOR Flap Discs will be one of your most-used abrasive tools. Choose from shapes in flat, 6° convex shape, or 12° convex shape to use on flat surfaces and edges.



File Belts

Grind small welds and deburr in hard-to-reach-areas with KLINGSPOR file belts. Available in aluminum oxide, alumina zirconia, and heavy-duty ceramic, you'll find the perfect material for your file belt application.



Abrasive Sheets

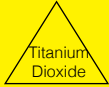
Cloth and paper sheets in aluminum oxide, silicon carbide and alumina zirconia products are most effective for blending, scale and rust removal, cabinet and furniture manufacturing, and auto body shops. All standard sheet materials are available in sizes 9" x 11", 3-2/3" x 9", 4-1/2" x 5-1/2", and 4-1/2" x 11".

Dynabrade Tools

KLINGSPOR is a partner of Dynabrade Tools. This allows us to offer a combination of products that will enhance your manufacturing capabilities and help you to realize the best possible surface finishes.



⚠️ **WARNINGS** For more information go to www.P65Warnings.ca.gov



The following products mentioned in this catalog can expose you to Titanium Dioxide, which is known to the State of California to cause cancer.

They all have a warning label on the packaging.



WARNING: This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.
ADVERTENCIA: Este producto puede exponerle a Dióxido de titanio, que es conocido por el Estado de California como causante de cáncer. Para mayor información, visite www.P65Warnings.ca.gov.

- ▶ Green Tec Discs
- ▶ PS 33
- ▶ PS 36
- ▶ VP 73 W
- ▶ Quick Disc Connect
- ▶ Quick Roll Connect
- ▶ Quick Metal connect



The following products mentioned in this catalog can create dust by deburring, sanding, drilling, cleaning and brushing activities. This can contain chemicals that are known by the state of California to cause cancer and birth defects or other reproductive harm.

Avoid inhaling particle dust or use a dust mask or other safety guards for personal protection.



WARNING: Dust created by deburring, sanding, sawing, drilling, cleaning, and brushing activities can contain chemicals that are known by the state of California to cause cancer and birth defects or other reproductive harm. Avoid inhaling particle dust or use a dust mask or other safeguards for personal protection. For more information, go to www.P65Warnings.ca.gov. **ADVERTENCIA:** El polvo creado por las actividades de desbarbado, lijado, aserrado, taladrado, limpieza y cepillado puede contener sustancias químicas que el estado de California sabe que causan cáncer y defectos de nacimiento u otros daños reproductivos. Evite inhalar polvo de partículas o use una máscara de polvo u otras protecciones para la protección personal. Para obtener más información, vaya a www.P65Warnings.ca.gov.

- ▶ Quick Disc Connect
- ▶ Quick Roll Connect
- ▶ Quick Metal connect
- ▶ Non-woven products



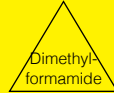
The following products mentioned in this catalog can expose you to chemicals like Carbon Black, which is known to the State of California to cause cancer.

They all have a warning label on the packaging.



WARNING: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov. **ADVERTENCIA:** Este producto puede exponerle a productos químicos, incluido el negro de humo, que el estado de California sabe que causa cáncer. Para obtener más información, vaya a www.P65Warnings.ca.gov.

- ▶ K 960 TX
- ▶ A 60 N
- ▶ A 660 R
- ▶ A 960 TZ



The following products mentioned in this catalog can expose you to chemicals including Dimethylformamide, which are known to the state of California to cause cancer. They all have a warning label on the packaging.



WARNING: This product can expose you to chemicals including Dimethylformamide, which are known to the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov. **ADVERTENCIA:** Este producto puede exponerle a productos químicos, incluido dimethylformamida, que el estado de California sabe que causa cáncer. Para obtener más información, vaya a www.P65Warnings.ca.gov.

- ▶ Quick Disc Connect
- ▶ Quick Roll Connect
- ▶ Quick Metal connect

Some products mentioned in this catalog can contain more than one of the chemicals mentioned above. Please have a look at the warnings for Carbon Black, Dust and Dimethylformamide above.



KLINGSPOR

The Most Sanding Power for Your Money Since 1893!

2555 Tate Boulevard, S.E.,
PO Box 2367
Hickory, North Carolina 28603-2367
Toll Free 800-645-5555
Corporate 828-322-3030
Toll Free Fax 800-524-6758
Fax 828-326-0296
www.klingspor.com