

INDUSTRIAL FOCUS: KITCHEN APPLIANCE MANUFACTURING





*US Manufacturing & Corporate Campus
Hickory, North Carolina*



Metal grinding, cutting, and finishing operations are synonymous with the KLINGSPOR name. As a long-time supplier to the metal working industry, KLINGSPOR strives to offer only the finest products with a focus on the future.

The KLINGSPOR vision was born in the late 1800's producing products unsurpassed in quality with a customer-oriented concentration. We still believe that this combination is essential in the ongoing success of your business and ours.

For over 125 years, KLINGSPOR has been at the forefront of abrasive technology and innovation producing abrasive products specifically for metal grinding, welding applications, and for general metal finishing functions. So the vision created over a century ago continues to be our guide for the twenty-first century. 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 metal working and welding markets. This will ensure that we can continue to offer *The Most Sanding Power for Your Money Since 1893!*™



Industrial Categories

BONDED ABRASIVES CUTTING & GRINDING



In the fast-paced world of kitchen appliance manufacturing, achieving precise cuts, smooth finishes, and flawless performance is essential. BONDED ABRASIVES are engineered to meet these demands with unparalleled efficiency, helping manufacturers cut, grind, and shape materials with precision and consistency.

NON-WOVEN, FLAPWHEELS, PADS & SPONGE SANDING



The finishing process is just as important as functionality. Achieving smooth, polished surfaces and precise textures requires the right tools. NON-WOVEN, FLAPWHEELS, PADS, and SPONGE SANDING products are designed to meet the unique demands of kitchen appliance manufacturing, providing consistent, high-quality results with every use.

DETAIL ABRASIVE SANDING



Smooth surfaces on intricate parts and components that helps refine edges, remove minor imperfections, and ensure a flawless finish, especially on smaller or more delicate areas like buttons, knobs, and seams. Manufacturers can achieve the level of detail and quality needed to enhance both the aesthetics and functionality of kitchen appliances, ensuring they meet the highest standards of craftsmanship and durability.

BUFFING, POLISHING & FINISHING



Products, designed for use on materials like stainless steel, aluminum, and plastic, help remove imperfections, enhance surface clarity, and deliver a sleek, professional look. Whether polishing cookware, dishwashers, or refrigerators, buffing and polishing solutions ensure durability, aesthetic appeal, and a flawless surface free from scratches or dullness.

The Most Sanding Power for Your Money Since 1893!™

Grinding Discs

KLINGSPOR's wide variety of grinding discs are suitable for grinding carbon steel, mild steel, stainless steel (INOX) and aluminum.



A 980 TZ
SPECIAL

A 960 TZ
SPECIAL

Z 960 TX
SPECIAL

K 960 TX
SPECIAL

Cut-off wheels for handheld machines

As one of the world's leaders in the production of cut off wheels KLINGSPOR has the ideal wheel for virtually any cutting application allowing to fine tune to your specific need. Wheels are available for the cutting of various materials.



Carbide Burrs

KLINGSPOR offers a complete, quality line of industrial carbide burrs. The line is comprised of the most common shapes and sizes to fill most applications.

Router Bits

KLINGSPOR is proud to offer a full-line of industrial grade router bits. Everything from profile bits, CNC, spiral, fiberglass, plastic, solid surface, and more. Industrial grade solid Alloy Steel bits with precision ground for proper balance at high RPM's. High-quality Super Micro grain carbide. Mixture of tungsten and cobalt with minimal cheaper grade fillers compared to the competition). Extra thick carbide for extra sharpenings with No compromises during the manufacturing process.



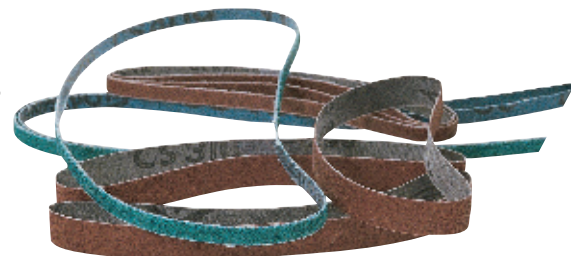
Fibre Discs

Fibre Discs in aluminum oxide, ceramic, and alumina zirconia are unsurpassed in performance for steel fabricators, car manufacturers, shipyards, welding shops, stainless steel container manufacturers, and boat builders. Available in both standard mount and in a quick-lock mount.



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.





SMT 636

- Alumina Zirconia treated with a Multibond Lubricant
- Runs cooler for grinding on stainless
- Reduced clogging and loading associated with heat build up

SMT 976

- Newly developed Ceramic Grain with a Multibond Lubricant
- Aggressive disc for the most demanding applications on Stainless
- Stable grinding temperatures even during heavy grinding
- High pressure applications and high powered angle grinders

SMT 800 T TITAN



SPECIFICATIONS

- Full non-woven abrasive flap disc
- Perfect for satin finishes on stainless
- Best results are achieved with a variable speed grinder

APPLICATIONS

- Rust & varnish removal
- Heat tinting and oxide film removal
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals

MAX RPM = 13,300
RECOMMENDED RPM 7,000

SMT 850 T TITAN

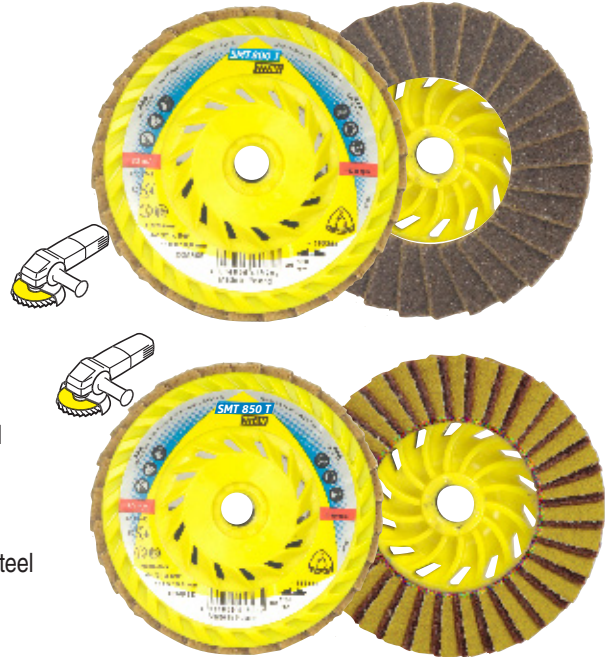


SPECIFICATIONS

- Combination of coated and non-woven abrasives
- Coated abrasive with multibond lubricant allows for cooler finishing on stainless
- Produces a beautiful satin finish
- Best results are achieved with a variable speed grinder

APPLICATIONS

- Finish grinding on flat and contoured surfaces
- Weld seam work
- Universal metal & steel
- Stainless steel/High alloy stainless steel
- Aluminum & non-ferrous metals



CMT 800 NON-WOVEN



ADJUSTABLE SPANNER WRENCH
#BPS900001



4-1/2" BACKING PLATE:
555CMTBACKPLATE115

Diameter	Grit
4-1/2"	Coarse
5/Box	Medium
	Very Fine

RECOMMENDED RPM 7,000 RPM



Ultraflex Sanding Pads

KLINGSPOR UltraFlex Sanding Pads are the premium foam pads on the market. These incorporate a dense foam structure and a full, even coating of either aluminum oxide or silicon carbide grains. This makes for an extremely long-lasting pad that is very flexible for finish-sanding of contoured parts and profiles.



Flexible Sanding Pads – Sanding Sponges & Foam Sanding Pads

KLINGSPOR Sanding Sponges are meant for quick finish sanding of slightly contoured and/or flat parts while our Foam Sanding Pads are very flexible and are ideal for final sanding highly profiled surfaces.

KLINGSPOR is the first abrasive company to design and manufacture flapwheels. With now many varieties available, this product line is versatile for many finishing applications.

Non-Woven Abrasives

Our non-woven nylon abrasives have definite advantages over normal coated abrasive products in certain applications. KLINGSPOR's line of abrasive impregnated non-woven products is one of the finest on the market today.

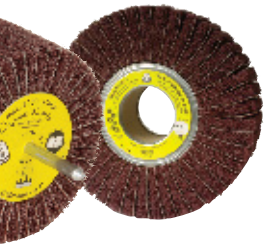
Heavy "Scrim" backed materials for surface conditioning belts and discs are available to meet the most stringent needs of metalworking operations. A variety of finishes can be achieved with selections in the line – extra coarse, coarse, medium, very fine and super fine.

Our lighter weight non-woven material is available for hand pad use in grades coarse, fine, general purpose/very fine, ultra fine, and a white no abrasive version.



Combination Finishing Flapwheels

These finishing flapwheels consist of non-woven abrasive and aluminum oxide abrasive cloth. Flaps of the two materials are alternated throughout the circumference of the wheel and are attached to a solid core. KLINGSPOR Finishing Flapwheels are a flexible abrasive product which offer a smoother and more blended finish than regular abrasive mops. Ideal applications are on metals, but also works well on wood or plastic. *Available diameters: 6-1/2", 8" with a 2" width.*



Flap Brushes 4 1/4" x 4"

KLINGSPOR Flap Brushes have proven themselves to be some of the best in the industry. With full production capabilities, a large variety of sizes and mounting methods are available in both full non-woven and interleaf options. The most popular are our 4-1/4" x 4" wheels with 3/4" keyway mounting or a 5/8-11" spin-on version. Also in the line-up are larger bench-mounted options in common sizes like 8" and 12" diameters. Finally, 1/4" spindle-mounted models are available as well.



Non-Woven Finishing Flapwheels

Non-woven abrasive mops that are suitable for matte, satin, and final finishing work on all metals. These are 1/4" spindle-mounted wheels for use with portable or off-hand power tools. *Available diameters: 2-3/8" and 3-1/8".*

Convolute Wheels

KLINGSPOR Convolute wheels are smooth running, non-metallic, soft and smear-resistant. They create less operator fatigue, no contamination of the workpiece, reduce gouging, and provide a faster stock removal rate. Perfect for applications like blending mill marks, machine mismatches, reducing uneven edges between surfaces and surface roughness prior to welding, removal of medium burrs, light flashing, parting lines, light adhesive overflow, smoothing radii on stamped parts, polishing welds and blending and polishing handling marks. *Available sizes are 6", 8" and 12" diameter. Medium and hard density.*



SM 611 Flapwheel

Flapwheels consist of hundreds of resin bonded cloth aluminum oxide abrasive sheets firmly attached to a balanced core. Abrasive Flapwheels quickly take the contours of the workpiece being ground or polished, making them ideal for convex and concave surfaces, profiles, or internal surfaces. Suitable for all metals, plastic, and wood. *Available diameters: 4", 5-1/2", 6-1/2", 8", 10", 12", 14", 16".*

KM 613 Spindle-Mounted Flapwheel

The Small Abrasive Flapwheel consists of resin-bonded aluminum oxide abrasive cloth flaps attached to a spindle-mounted core. These flapwheels are used on portable or off-hand power tools to grind, polish, debur, or finish small and/or hard-to-handle parts. Suitable on metals, plastics and wood. *Available in diameters: 1", 1-1/2", 2", 2-1/2", and 3".*





Quick-Change Discs

The KLINGSPOR Quick-Change Disc line encompasses the major connection methods and KLINGSPOR's own QDC system. Quick-change discs are becoming more common-place in many manufacturing environments.

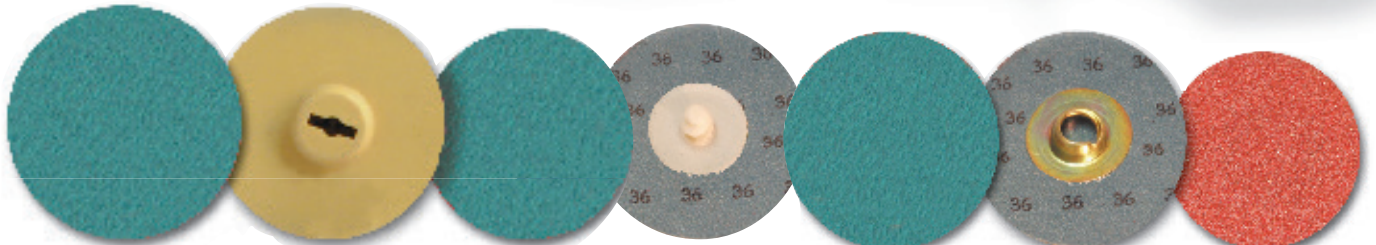
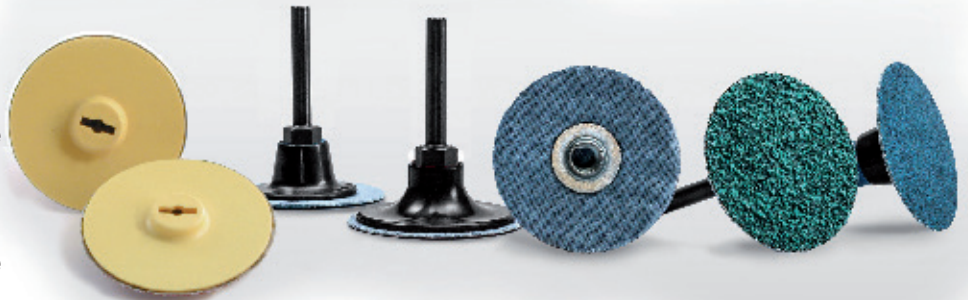
QDC - Quick Disc Connect

The KLINGSPOR QDC abrasive system is an exciting approach to disc sanding. QDC's are disposable discs with a firm, built-in plastic backing pad. QDC's are quickly and firmly mounted on a special mandrel with a simple one-quarter turn. Advantages include resistance to grinding heat, low vibration, less tool down time, and long disc life.



- Aluminum Oxide
- Alumina Zirconia
- Ceramic Aluminum Oxide with Multibond Lubricant
- Alumina Zirconia with Multibond Lubricant
- Ceramic Aluminum Oxide
- Non Woven materials

All of KLINGSPOR's Quick-Change Discs whether they be the QDC style, the QRC (Quick Roll Connect) style, or the QMC (Quick Metal Connect) style are available in diameters 3/4", 1", 1-1/2", 2", 3", and 4" and in the following material types:



QDC - Quick Disc Connect

QRC - Quick Roll Connect

QMC - Quick Metal Connect



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. Available in premium aluminum oxide or alumina zirconia for more demanding applications.



Mounted Points

KLINGSPOR's Mounted Points have been developed for safe, high performance use. Over 100 different shapes and a variety of sizes, bonds, grits, etc. are available to suit virtually any metal grinding need.

Polishing Compounds

KPC2U

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

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

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

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

KPC4S

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 Pads

KLINGSPOR's Felt Pads have been developed for safe, high performance use. Over 100 different shapes and a variety of sizes, bonds, grits, etc. are available to suit virtually any metal grinding need.

Polishing Wheels

KLINGSPOR's Polishing Wheels have been developed for safe, high performance use. Over 100 different shapes and a variety of sizes, bonds, grits, etc. are available to suit virtually any metal grinding need.





oSa – What Does it Mean?

On our grinding and cutting products, you will see the oSa logo. What exactly is oSa and what does it mean?

On products that grind and cut at high peripheral speeds, it is extremely important that they are deemed safe so as to stand up to extreme mechanical and thermal stress. Because there are no globally binding safety requirements for these abrasive products, responsible manufacturers of grinding and cutting abrasives from a number of European countries have set up the Organization for the Safety of Abrasives (oSa). This is a significant measure setting a clear signal against inferior and dangerous products.

oSa issues the worldwide protected oSa trademark only to manufacturers that see to it that the exact provisions are kept, standard operating procedures are adhered to, and that only safe, high quality products are produced and marketed. This is an assurance to the user that they are purchasing grinding and cutting products that have been consistently monitored for safety and quality during the manufacturing process.



KLINGSPOR

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