

Product Guide Oil & Gas Industry



oSa[®] certified products
for your safety!



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 and the Oil & Gas Industry

KLINGSPOR is supporting the aircraft industry since the early 90's. Our experience in this market makes us the perfect partner for all your sanding applications.

More than 600 different items in our product range are specialized for oil & gas 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:



Pipe work



Maintenance work



Equipment work

Your Advantages

- ▶ Longevity
- ▶ High quality products
- ▶ Flexible products ideal for the use on contours
- ▶ Fast cuts and easy weld removal
- ▶ oSa certified for your safety

Safety

Make sure you always wear safety products when using abrasives to create a happier, healthier work environment. KLINGSPOR offers a complete line of high quality safety products to fit most applications.



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.



Experience quick and easy changes with KLINGSPOR's **QUICK CHANGE FLAP DISCS**



No more fumbling with the grinder's locking nut!

Reduce downtime on a variety of applications!

No tools necessary to accomplish the task!

How does it work?



- ▶ Reduced Downtime
- ▶ Variety of Applications

1. Just place the separate backing plate on your angle grinder.
2. Use your locking nut to fasten the backing plate in place. Match the CMT loading to the backing plate.



When grits need to be changed just twist the CMT off and a new one on the backing plate!




Special "channels" make sure that the CMT is securely locked in place.


How to find the correct abrasive material?


Application	Abrasive Material	Options	Description
Removal of Material	Coated	Alumina Zirconia	Alumina Zirconia is a durable, aggressive grain that is best suited for carbon steel and stainless steel.
Blending, Polishing	Non-woven	Coarse	A coarse non-woven material will leave a nondirectional scratch pattern and is perfect for deburring, light grinding and processing TIG welds.
		Medium	A medium density is perfect for blending and cleaning most types of metals and steels without gouging the base material.
		Very Fine	Very fine non-wovens are great for cleaning and finishing. They leave a pleasant satin finish on most metals and steels and are perfect for post weld removal cleaning.


Which options does KLINGSPOR offer?




CMT 726
Max. RPM: 12,000


Grain: Alumina Zirconia
Diameter: 4-1/2"
Grit range: 40 - 120
Form: 
Quantity: 10/Box

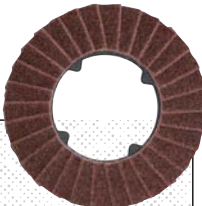





CMT 728
Max. RPM: 12,000


Grain: Alumina Zirconia
Diameter: 4-1/2"
Grit range: 40 - 120
Form: 
Quantity : 10/Box





CMT 800
Max. RPM: 7,000

Grain: Non-woven
Diameter: 4-1/2"
Grit range: Coarse, Medium, Very fine
Form: 
Quantity: 5/Box



Ask for our lubricated version!

SAMPLES AVAILABLE ON REQUEST

Our Products

KLINGSPOR offers several products for grinding applications. Finding the best product for your grinding job depends on the criteria important to you. Take a quick look at the product comparison below to learn more about the advantages of the most popular grinding products.

Fibre Disc



Flap Disc



Grinding Disc



Stock removal



Service life



Surface quality



Vibrations



Sound intensity



Processing time



Process costs



Fibre Discs

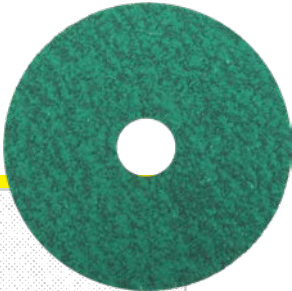
KLINGSPOR Fibre Discs are characterized by their high stock removal, longevity and ideal grinding results. The product range is completed by suitable backing pads.

Longevity & High Stock Removal



Quick Lock Fibre Discs available!

CS570 Alumina Zirconia Lubricated

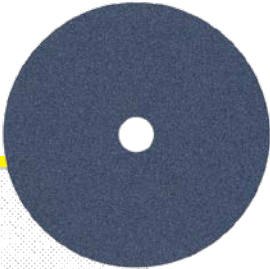


Diameters: 4-1/2", 5", 7"
 Grit range: 24-120
 Box Quantity: 25
 Max. RPM: depending on diameter:
 4-1/2" - 13,000 RPM
 5" - 12,200 RPM
 7" - 8,600 RPM

✓ Clean, cool cuts

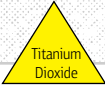


CS565 Alumina Zirconia



Diameters: 4-1/2", 5", 7", 9"
 Grit range: 24-100
 Box Quantity: 25
 Max. RPM: depending on diameter:
 4-1/2" - 13,000 RPM
 5" - 12,200 RPM
 7" - 8,600 RPM

✓ Heavy stock removal

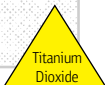


FS964 Ceramic



Diameters: 4-1/2", 5", 7"
 Grit range: 24-120
 Box Quantity: 25
 Max. RPM: depending on diameter:
 4-1/2" - 13,000 RPM
 5" - 12,200 RPM
 7" - 8,600 RPM

✓ Heavy stock removal



Backing Pads for Fibre Discs



Available in different profiles:
 Low Profile, Standard, Spiral Cool
 Diameters according to Fibre Discs.

Flap Discs

Effective for multitudes of grinding and finishing operations, KLINGSPOR Flap Discs will be one of your most-used abrasive tools.

Flat discs are best suited for surface grinding, while the convex shapes (6° Angle) are ideal for weld removal and edge grinding.

Extraordinary Stability & Sustained High Performance



SMT 325

- Alumina Zirconia
- Aggressive grinding of steel
- Works well on low powered angle grinders
- Won't glaze or load in low pressure situations

SMT 926

- Alumina Zirconia
- High service life and aggression
- Engineered for extended life on the rough working of steel
- Well suited for grinding on high powered angle grinders

SMT 314

- Aluminum Oxide
- Grinding of Non-ferrous metals, painted surfaces, and wood
- Designed to maintain removal levels on low powered tools

SMT 626

- Alumina Zirconia
- Specific flap orientation maintains aggression and service life
- Low profile disc from unique flaps

SMT 950

- Jumbo Alumina Zirconia
- Double sized flaps
- Long service life in heavy pressure applications
- Flat orientation makes this ideal for working large surface areas

PRICE & PERFORMANCE

LIFE

STAINLESS STEEL

SMT 996

- Ceramic Grain with a Multibond Lubricant
- Aggressive disc for demanding applications on Stainless
- Stable grinding temperatures during heavy grinding

FINISHING

SMT 850

- Combination coated and non-woven
- Removal and finishing in one flap disc
- Engineered for the machining of TIG welds on stainless steel
- Creates an even finish throughout the life of the disc

SMT 800

- Full non-woven flap disc
- Used for finishing applications on stainless steel
- Great for creating satin finishes on stainless steel
- Works best on variable speed grinders

AGGRESSION

SMT 924

- Ceramic Grain
- Aggressive removal for the most rigorous grinding
- Designed to hold up to demanding edge work without breaking down or shedding
- Premium aggression disc for high powered grinders

SMT 628

- Alumina Zirconia
- High stock removal applications
- Flat design allows a wider grinding profile making quick time on surface work
- Well suited for high powered grinders

SMT 624


- Alumina Zirconia
- Rapid material removal
- Angled for working contoured surfaces and edges
- Well suited for high powered grinders

SMT 940

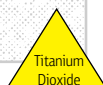
- Alumina Zirconia
- Aggressive removal
- Flat design allows a wider grinding profile making it ideal for working flat surfaces
- Well suited for high powered grinders



SMT950 SPECIAL
Jumbo Flap Disc


Diameters: 4-1/2"
Grit range: 36-80
Form: 
Box Quantity: 10

✓ Double-thick disc for twice the grinding power

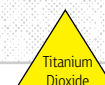


SMT940 SPECIAL
for Steel




Diameters: 4-1/2"
Grit range: 24-80
Form: 
Box Quantity: 10

✓ No breakdowns or shedding



SMT636 SUPRA
for Stainless Steel




Diameters: 4-1/2", 7"
Grit range: 36-120 (4-1/2")
36-80 (7")
Form: 
Box Quantity: 10

✓ Optimized for cooler edge grinding of stainless steel

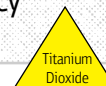


SMT926 SPECIAL
for Steel and Stainless Steel



Diameters: 4-1/2"
Grit range: 40-80
Form: 
Box Quantity: 10

✓ Highest performance for improved efficiency



Other options available. See the chart on the left to determine the ideal SMT Flap Disc for your application.

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

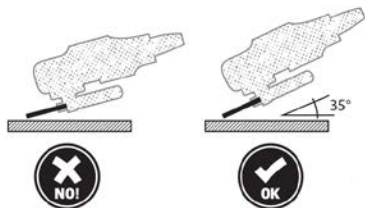


Grinding Discs

Whether you are grinding welds or smoothing out pits KLINGSPOR grinding discs should be your choice for maximum performance at a reasonable cost.

The high-grade raw materials guarantee a long service life, the grit ensures consistently high performance. All grinding discs have been tested according to the oSa guidelines.

Grinding discs should be used at 35° angle!



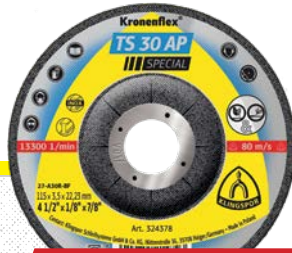
Enhanced Performance & Proven Safety



TS30AP SPECIAL

for Pipelines, Tank fabrication, Root seams

Diameters: 4-1/2", 5", 6", 7"
 Thickness: 1/8"
 Box Quantity: 10



Dual Use Wheel

✓ Grinding, Notching, Cutting in one wheel



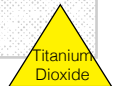
A30M SPECIAL

for Carbon Steel, Stainless Steel

Diameters: 4-1/2", 5", 6", 7"
 Thickness: 1/4"
 Box Quantity: 10



✓ 2 in 1 Grinding Disc

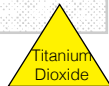


A24 EXTRA

for Steel, Structural Steel, Tool Steel, Sheet Steel

Diameters: 4", 4-1/2" 5", 7", 9"
 Thickness: 1/4"
 Box Quantity: 10

✓ Universal use on steel and stainless steel



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



A24R SUPRA
for Steel, Structural Steel,
Sheet Steel



Diameters: 4", 4-1/2", 5", 6",
7", 9"
Thicknesses: 5/32", 1/4", 3/16",
5/16"
Box Quantity: 10

✓ Optimized recipe for use on steel

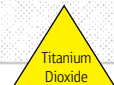


A46N SUPRA
for Aluminum, NF metals



Diameters: 4-1/2", 5", 7"
Thickness: 1/4"
Box Quantity: 10

✓ Top disc for aluminum



Dual Use Wheel

A46VZ SPECIAL
for Pipe fabrication

Diameters: 4-1/2" 5"
Thickness: 5/64"
Box Quantity: 25

✓ Ideal for cutting and light grinding



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

High Cutting Capacities &
Superior Wear Rates



Small cut-off wheels



Z960TX SPECIAL
for Stainless Steel, Stainless Steel Sheets

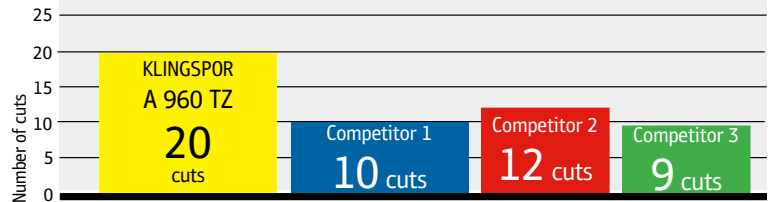
Diameters: 4 1/2", 5"
Thickness: .045"
Forms:
Box Quantity: 25

✓ Low burr formation



We tested three of our best small cut-off wheels against our competitor's discs. KLINGSPOR cut-off wheels have highest cutting capacities and are characterized by their longevity. Let the results below convince you!

Number of cuts on 4" x 1/4" Stainless Steel compared to competitors



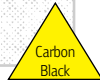
A960TZ SPECIAL

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

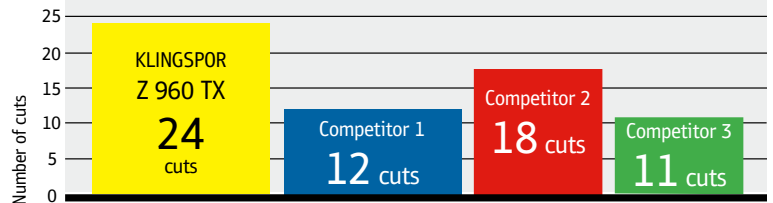


Diameters: 4 1/2", 5"
Thickness: .045"
Forms:
Box Quantity: 25

✓ Short cutting times and long service life



Number of cuts on 4" x 1/4" Stainless Steel compared to competitors



K960TX SPECIAL

for Stainless Steel, Container Construction, Carbon Steel, High Alloy Steel, Metal fabrication

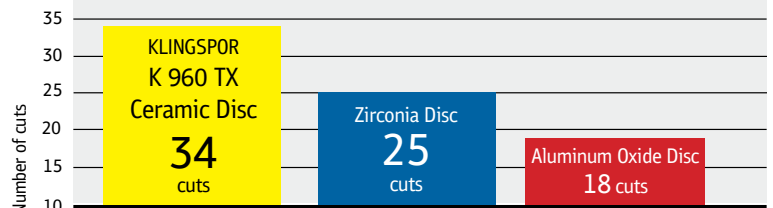


Diameters: 4 1/2", 5"
Thickness: .045"
Form:
Box Quantity: 25

✓ Outstanding performance in daily use



Number of cuts on 1" Stainless Tube with .125 Thick Wall compared to competitors



Large cut-off wheels


Our larger cut-off wheels promise consistent superior wear rates and fast cutting of a variety of steel materials no matter which machine you are using.



A24R SPECIAL

for Steel, Ductile Iron,
Structural Steel, Tool Steel



Diameters: 12", 14"
Thicknesses: 9/64", 5/32"
Form: 
Box Quantity: 10


✓ Fast cutting on steels
and solid materials

Carbon
Black

A24R SUPRA

for Steel, Tool Steel, Sheet Steel



Diameters: 4", 4-1/2", 5",
6", 7", 9"
Thicknesses: 3/32", 1/8"
Form: 
Box Quantity: 25
10 (hubbed)


✓ Optimized combination
for use on steel

Carbon
Black



A30N SPECIAL

for all Metals


Diameters: 12", 16"
Thicknesses: 3/32", 9/64"
Form: 
Box Quantity: 10

✓ For universal use on chop
saws

Titanium
Dioxide

A930N SPECIAL

for all Metals

Diameters: 14"
Thicknesses: 1/8"
Form: 
Box Quantity: 10


✓ Highest aggressiveness and lifetime

Titanium
Dioxide



A46TZ SPECIAL

for Stainless Steel, Carbon Steel,
Metal fabrication

Diameters: 4", 5", 6", 7", 9"
Thicknesses: 1/16", 5/64"
Forms: 
Box Quantity: 25

✓ Universal use on steel and stainless steel

Titanium
Dioxide

Unitized Wheels

Unitized wheels are used for general purpose metal cleaning, deburring and polishing. They are ideal to remove rust and blend weld marks. Available in a variety of densities and grades for applications requiring flexible or aggressive cutting action.

Availability

Diameters	2", 3", 4"
Widths	1/4", 1/2"
Arbor Holes	1/4", 1/2"
Grades	Coarse, Medium, Fine
Densities	Low, Low/Medium, Medium, Medium/High, High



Also available as Quick Change Wheels!

Diameters: 1", 1-1/2", 2", 3", 4"
 Widths: 1/4", 1/2"
 Versions: QRC (Quick Roll Connect) with Roloc connection, QDC (Quick Disc Connect) for KLINGSPOR mandrels

Bench/Pedestal wheels & Filet weld grinder options

Diameters	6"
Widths	1", 1/2", 1/4", 1/8"
Grades	Coarse, Medium, Fine
Densities	Low, Low/Medium, Medium, Medium/High, High

Quick Change Discs

Quick Change discs are disposable discs with various backing and attachment methods. They are staple items in many productions 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)

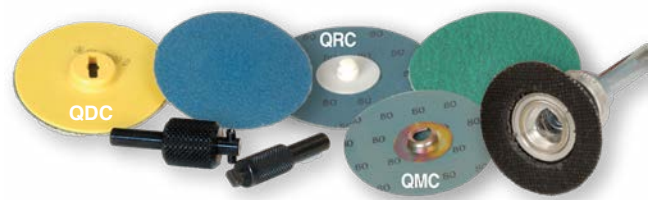
The T-Lock top of the QDC mandrel fits securely into the raised hub on the QDC disc backing plate. The 1/4" mandrel fits most 1/4" tools.

QMC (Quick Metal Connect)

QMC Discs are placed on holder pads utilizing a metal screw connection.

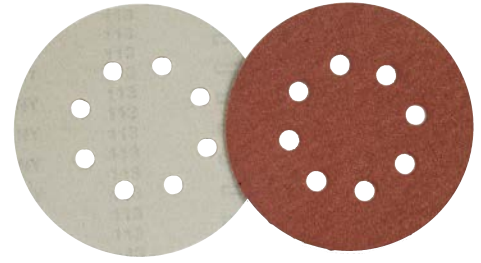
QRC (Quick Roll Connect)

QRC Discs 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.



Kling-on® Discs

Kling-on® Hook & Loop Discs offer the end-user the convenience for fast, easy changing, eliminating the need for mounting tools and adhesives, thus minimizing costly downtime. They are versatile for medium stock removal as well as ultra-fine finishes. Available in various materials, grits and sizes.



Most common in the Oil & Gas industry:

Product	Grain	Backing	Available Sizes	Grit range
PS 33 B/C	Aluminum Oxide Stearate	B/C-weight paper	4", 4-1/2", 5", 6", 8", 11"	40-600
PS 36 C/D	Alumina Zirconia Stearate	C/D-weight paper	5", 6"	36-100
VP 73 W	Aluminum Oxide Stearate	C-weight Latex Paper	5", 6", 8"	80-1200
CS 310 X	Aluminum Oxide	Cotton cloth	5", 6"	24-60

Belts

Belts provide the fastest and most effective stock removal for finishing or polishing metals. KLINGSPOR has been a leader in the production of virtually any size belt, including file belts and portable belts. We offer different grain and backing combinations to fit almost every sanding application.



Make sure you ask for our custom size belts if the standard sizes don't fit on your machine!

Wire Wheels & Brushes

The KLINGSPOR Wire wheel line is designed to include the main types of wire products with a focus on most application needs. Included in the line are both carbon steel and stainless steel versions of knot wheels, crimped wheels, cup wheels, stringer bead wheels, and end brush wheels. Perfect for deburring, cleaning-up and weld prep applications.

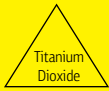


Mounted Points

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

WARNINGS

For more information go to www.P65Warnings.ca.gov



The following products mentioned in this catalogue 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.



The following products mentioned in this catalogue 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 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.



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.

- ▶CMT 726
- ▶CMT 728
- ▶CMT 800
- ▶CS 570
- ▶CS 565
- ▶FS964
- ▶SMT 950
- ▶SMT 940
- ▶SMT 636
- ▶SMT 926
- ▶A 24 Extra
- ▶A 30 M
- ▶A 46 N
- ▶A 46 TZ
- ▶A 60 N

- ▶TS 30 AP
- ▶A 24 R
- ▶A 46 VZ
- ▶K 960 TX
- ▶A 960 TZ
- ▶Z 960 TX



KLINGSPOR

The Most Sanding Power for Your Money Since 1893!

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