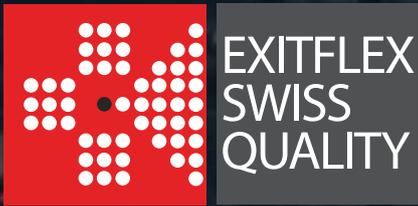


EXITFLEX®

SWITZERLAND

QUALITY & SAFETY



200 WHEELS OF SUCCESS
200 MILLION PIECES SOLD

AUGUST 2024

EXITFLEX®

SWITZERLAND



TAILOR-MADE TO MEET ALL YOUR GRINDING AND CUTTING NEEDS.



EXITFLEX® ABRASIVES

EXITFLEX Abrasives are manufactured in an eco-friendly, state-of-the-art facility equipped with the latest moulding machines, ovens, testing & storage facilities.

Quality & safety being the very foundation of the manufacturing policy, abrasives are manufactured in compliance with EN12413 standards.

We have the following sizes listed below in Aloxite, White Aloxite, Silicon Carbide and Zirconia Abrasives.



CUTOFF WHEELS	DEPRESSED CENTRE WHEELS	FLAP DISCS	FIBRE DISCS
100 mm x 3.0 mm x 16 mm	100 mm x 4.0 mm x 16 mm	100 mm x 16 mm MB A 36-40-60-80-120	100 mm x 16 mm ZA 36-60-80-120
105 mm x 1.2 mm x 16 mm	100 mm x 5.0 mm x 16 mm	100 mm x 16 mm FB A 36-60-80-120	125 mm x 22 mm ZA 36-60-80-120
105 mm x 2.0 mm x 16 mm	100 mm x 6.0 mm x 16 mm	100 mm x 16 mm MB ZA 36-40-60-80-120	180 mm x 22 mm ZA 24-36-60-80-120
115 mm x 1.2 mm x 22.23 mm	115 mm x 6.0 mm x 22.23 mm	100 mm x 16 mm FB ZA 36-60-80-120	125 mm x 22 mm CER 36-60-80-120
115 mm x 2.5 mm x 22.23 mm	125 mm x 6.0 mm x 22.23 mm	115 mm x 22 mm MB A 36-40-60-80-120	180 mm x 22 mm CER 24-36-60-80-120
115 mm x 3.0 mm x 22.23 mm	125 mm x 7.0 mm x 22.23 mm	115 mm x 22 mm FB A 36-60-80-120	
125 mm x 1.2 mm x 22.23 mm	180 mm x 6.0 mm x 22.23 mm	115 mm x 22 mm MB ZA 36-40-60-80-120	
125 mm x 3.0 mm x 22.23 mm	180 mm x 7.0 mm x 22.23 mm	115 mm x 22 mm FB ZA 36-60-80-120	
180 mm x 1.2 mm x 22.23 mm	230 mm x 7.0 mm x 22.23 mm	180 mm x 22 mm FB A 36-60-80-120	
180 mm x 1.6 mm x 22.23 mm		180 mm x 22 mm FB ZA 36-60-80-120	
180 mm x 3.0 mm x 22.23 mm			
180 mm x 4.0 mm x 22.23 mm			
230 mm x 1.9 mm x 22.23 mm			
230 mm x 3.0 mm x 22.23 mm			
305 mm x 2.8 mm x 25.4 mm			
305 mm x 3.0 mm x 25.4 mm			
355 mm x 2.8 mm x 25.4 mm			
355 mm x 3.0 mm x 25.4 mm			
355 mm x 4.0 mm x 25.4 mm RAIL			
400 mm x 3.0 mm x 25.4 mm			
400 mm x 3.2 mm x 25.4 mm			
400 mm x 4.0 mm x 25.4 mm RAIL			

- Type 27
- Type 42
- Type 41





“ Quality & Safety being the very foundation of the manufacturing policy, EXITFLEX abrasives are manufactured to meet stringent international standards.

EXITFLEX abrasives are guaranteed to give the best in terms of grinding and cutting performance, life and safety. Certainly proving to be a cut above the rest. ”



EXITFLEX[®] CUT-OFF WHEELS

ABOUT THE PRODUCT

EXITFLEX Cutoff Wheels have a minimum disc thickness of 1 mm and maximum thickness of 3 mm and have excellent cutting properties, great stability and minimum burr formation, resulting in a clean, consistent and fast cut. Extensively benchmarked against most global competitors, these products are designed to exceed your expectations.

TYPICAL MATERIALS FOR EXITFLEX CUT-OFF WHEELS

- | | |
|-----------------------------|-------------|
| ■ Steel | ■ PVC Pipes |
| ■ Stainless Steel | ■ Hoses |
| ■ Re-Bar/Construction Steel | ■ Brightbar |
| ■ Fibre Reinforced Plastic | ■ Castings |

TYPICAL APPLICATIONS FOR THESE PRODUCTS

- | | |
|-----------------------|------------------------------|
| ■ Structural Steel | ■ Shipyards |
| ■ General Fabrication | ■ Foundries & Castings |
| ■ Bus Body Building | ■ Dairy and Pharma Equipment |
| ■ Automotive Repair | |





While the exhaustive program of our abrasives will cater to most cutting and grinding needs, abrasives can also be customer manufactured for specific applications. Our products can be used on stationery machines, portable electric & gas cut-off saws and electric & pneumatic angle grinders.



EXITFLEX® GRINDING DISCS



EXITFLEX grinding discs are renowned for maximum stock removal in a short span of time. EXITFLEX grinding wheels are used in all major surface grinding applications, as well as for edge beveling and burr removal.

EXITFLEX offers professional advice in selecting the right grinding disc for your applications and also trials at your site.

Our technical advisors would be very happy to offer any technical assistance or help when you have a specific problem.



PRACTICAL TIPS

This thumb rule applies to grinding discs: the harder the material, the softer the bond of the grinding disc. In addition, the application plays a very decisive role.

A hard bond is more suitable while grinding corners and burrs as they have sharp edges and remove the grit out of the bond.

While working on surfaces a soft wheel would be suitable.

EXITFLEX® DE-CODING THE LABEL





CUT-OFF AND GRINDING WHEELS

FEATURES - ADVANTAGES - BENEFITS

Superior Safety & Strength

Hub system provides Rigidity & Strength like no other thin disc.

Fast, Accurate & Straight

1.0mm 'actual' thickness for Fine and Ultrafast cutting, yet exceptionally Safe & Rigid.

Long Life

Outstanding blade life. Hub design also allows the whole disc to be used, no wastage.

Smooth & Cool Cutting

Special Zirconia grain formula cuts faster and smoother with less heat build up.

Deeper Cutting & Better Vision

Tight radius of the hub allows for deeper cutting, and better vision.



CUT-OFF AND GRINDING WHEELS

APPLICATIONS GUIDE



SAFETY AND STORAGE

The shelf life of cut-off wheels and grinding discs is primarily determined by their moisture content. Cut-off wheels and grinding discs that are subjected to increased humidity after they are manufactured lose their original service life. Correct storage ensures a consistent long service life. Cut-off wheels and grinding discs that are subjected to water or steam are a safety risk. The user is obligated to use the product correctly. Cut-off wheels and grinding wheels should not be used after the expiry date.

WORKING SAFELY...

... by being careful and recognising risks

Please avoid the risks listed below when working with cut-off wheels and grinding discs.

- contact with rotating abrasive discs
- abrasive disc breakage
- grinding dust and debris
- vibration
- noise

... through with personal protective gear

Goggles, gloves, ear muffs and dust masks must be worn. When working on hard grinding applications additional protective gear is required, such as face protection, leather aprons and safety boots.



Quarter	
V 01	January-March
V 04	April-June
V 07	July-September
V 10	October-December

... with protective machine guards

Machine guards are supplied with the grinding machine and may not be changed or removed. When using cup grinding wheels the outer surface must be completely enclosed.

In addition, cup grinding wheels may only be used in combination with an adjustable wheel guard, to balance the wear on the disc and to keep the exposure of the disc at a minimum.

... through visual inspection and performance of checks prior to mounting

Ensure the disc RPM matches the machine RPM setting and avoid exceeding the maximum admissible operating speed. Carefully check the cutting-off wheel and grinding disc for damage. If the cut-off wheel or grinding disc is damaged, do not use the damaged product. Our cut-off wheels and grinding discs are marked with the corresponding safety pictograms.

... through correct use

Ensure that the respective disc is being used correctly. Avoid damage to the mounting bore or to the disc through jerks, excessive force, or falls. Ensure that the disc is correctly and securely mounted and use the correct mounting flange. Prior to starting work, the abrasive disc should run at operating speed for at least 30 seconds. Please observe the FEPA safety regulations and the European Standard EN12413

The peripheral speed and grinding pressure are important parameters for achieving optimal cut-off and grinding wheel results.

CUT-OFF AND GRINDING WHEELS

APPLICATIONS GUIDE

THE OPTIMAL SPEED

Too low

If the RPM of the machine is too low, the cut-off wheel and grinding disc tend to “jump”, and the disc edges wear down unevenly. Particularly with thin material cross sections, such as cutting tin or wire, this causes the grit to be separated from the bond and the disc wear speed is above average.

Optimal

Exitflex cut-off wheels and grinding discs are high performance products and were developed such that best disc performance (measured according to the stock removal volume to disc wear ratio) is achieved in the range right below the maximum peripheral speed. Keep the machine running at a consistently high RPM and, if needed, select a more powerful machine.

Too high

The maximum RPM and peripheral speed is printed on the label of each disc. For your own safety, please be sure not to exceed the recommended speeds when grinding.

THE CORRECT GRINDING PRESSURE

An important requirement for a satisfactory cutting result is the correct grinding pressure. A common mistake is to reduce the grinding pressure to preserve the disc and extend the cutting life of the wheel. If this is done, the material overheats (turns blue); the cut-off wheel becomes clogged and “burns up”. This is why the grinding pressure should always be set such that the cutting time is as short as possible. This is particularly true for heat sensitive material with large material cross sections.

THE PROPER HARDNESS

...for cut-off wheels

Generally, the rule of thumb when selecting the correct cut-off wheel is : the harder the material,



the softer the abrasive bond. The reason: the service life of a cut-off wheel is dependent on whether the cutting surface of the workpiece hardens or not. Overheating results in the disc “glazing” and the cutting properties are negatively affected. In this case, the hardness of the bond should be decreased and the softer cut-off wheel should be used.

...for grinding discs

The rule of thumb also applies to grinding discs: the harder the material, the softer the grinding disc bond. In addition, the application plays a decisive role. Corner grinding and the grinding of burrs and sharp edges can cause grit to be removed from the bond. We suggest the selection of a hard bond. On the other hand, when working on surfaces or small weld seams a disc that is too hard would become dull and would no longer be effective. It would have a good service life, but would also have a low stock removal rate and high work costs. A medium or soft disc bond would be best for finish grinding.

EXITFLEX® SAFETY GUIDELINES

DO'S

- ✓ Always follow the instructions provided by abrasive product and machine supplier.
- ✓ Always handle and store all wheels in a very careful manner.
- ✓ Always visually inspect all wheels for damage or cracks before mounting and using.
- ✓ Always ensure that the machine speed does not exceed the maximum operating speed marked on the wheel.
- ✓ Always use the correct wheel mounting flanges which is clean and free from burrs.
- ✓ Always use back-up pad if required.
- ✓ Always ensure guards are in position and correctly adjusted.
- ✓ Always use a properly designed safety guard covering at least one half of the wheel.
- ✓ Always wear appropriate personnel protective equipment (PPE).
- ✓ Always secure the workpiece firmly while it is being cut or grind.
- ✓ Always run a wheel for at least one minute in a protected area before using.
- ✓ Always dress flexible grinding wheels regularly to keep the grinding surface in good condition.
- ✓ Always prevent the dust from scattering and provide adequate ventilation.
- ✓ Always ensure that the used wheels and worn-out wheels are destroyed to prevent them from being used.
- ✓ Please use the wheel within the marked expiry date for optimal or factory-intended performance and safety

DON'TS

- ✗ Do not store wheels in a damp atmosphere or in extreme temperature.
- ✗ Do not mount a damaged wheel or incorrectly store.
- ✗ Do not apply force to fit a wheel on the mounting device or alter the bore size.
- ✗ Do not tighten the flanges and nut with excessive force or use extension.
- ✗ Do not exceed the maximum operating speed marked on the wheel.
- ✗ Do not stand in the line of the grinding wheel when starting the motor after fitting or re-fitting a wheel.
- ✗ Do not use cutting wheels for grinding wheels.
- ✗ Do not grind or cut material for which a wheel is not designed.
- ✗ Do not use a grinding wheel near flammable materials.
- ✗ Do not grind or cut without proper protective equipment.
- ✗ Do not press against the wheel surface to stop it until the wheel itself stops running.

USAGE RESTRICTIONS



Do not use for
face grinding



Do not use if
damaged



Do not use for
wet grinding



Do not use with hand-held
grinding machine

EXITFLEX® FIBRE DISCS

Our individually Coated Fibre disc are designed to produce consistent finish combined with a fast cut rate on a variety of job materials. Produced individually with resin & grain consternation on periphery of the disc, these products give world class performance.

Available with Aluminium Oxide, Zirconia Alumina & Ceramic abrasive grains, these products are available on a variety of job materials including wood, mild steel, stainless steel, hardened & alloy steels.



180x22mm	EXITFLEX 7 Inch Abrasive Disc -ZA24
	EXITFLEX 7 Inch Abrasive Disc -ZA36
	EXITFLEX 7 Inch Abrasive Disc-ZA60
	EXITFLEX 7 Inch Abrasive Disc-ZA80
	EXITFLEX 7 Inch Abrasive Disc-ZA120
125x22mm	EXITFLEX 5 Inch Abrasive Disc -ZA36
	EXITFLEX 5 Inch Abrasive Disc-ZA60
	EXITFLEX 5 Inch Abrasive Disc-ZA120
100x16mm	EXITFLEX 4 Inch Abrasive Disc -ZA36
	EXITFLEX 4 Inch Abrasive Disc-ZA60
	EXITFLEX 4 Inch Abrasive Disc-ZA80
	EXITFLEX 4 Inch Abrasive Disc-ZA120



CERAFLEX COATED DISCS RANGE	
EXITFLEX - 7Inch Abrasive Disc C-36	
EXITFLEX - 7Inch Abrasive Disc C-60	
EXITFLEX - 5Inch Abrasive Disc C-36	
EXITFLEX - 5Inch Abrasive Disc C-60	
EXITFLEX - 4Inch Abrasive Disc C-36	
EXITFLEX - 4Inch Abrasive Disc C-60	

EXITFLEX® FLAP DISCS

APPLICATIONS GUIDE



1. Red bar Label indicates the max. peripheral speed
2. Safety recommendations
Language neutral pictograms
3. Dimensions
4. Metal ring

ABOUT THE PRODUCT

Since their market launch, the EXITFLEX abrasive flap disc has successfully taken the place of the grinding disc in many areas of surface finishing. The performance of the abrasive flap disc, with its fan-shaped radial arrangement of cloth grinding flaps, far exceeds that of other abrasive products. EXITFLEX abrasive flap discs are made of zirconia alumina, ceramic, or aluminium oxide coated flaps fastened to glass fibre-reinforced or plastic backing plates. The even arrangement of the flaps guarantees high flexibility, constant high grinding performance and low vibrations.



EXITFLEX® AROUND THE WORLD

AUSTRALIA

Australia Hardware Tools & Grinding Exhibition (ATGE) – 2023

Australia Manufacturing Week (AMW) - 2024



MIDDLE EAST

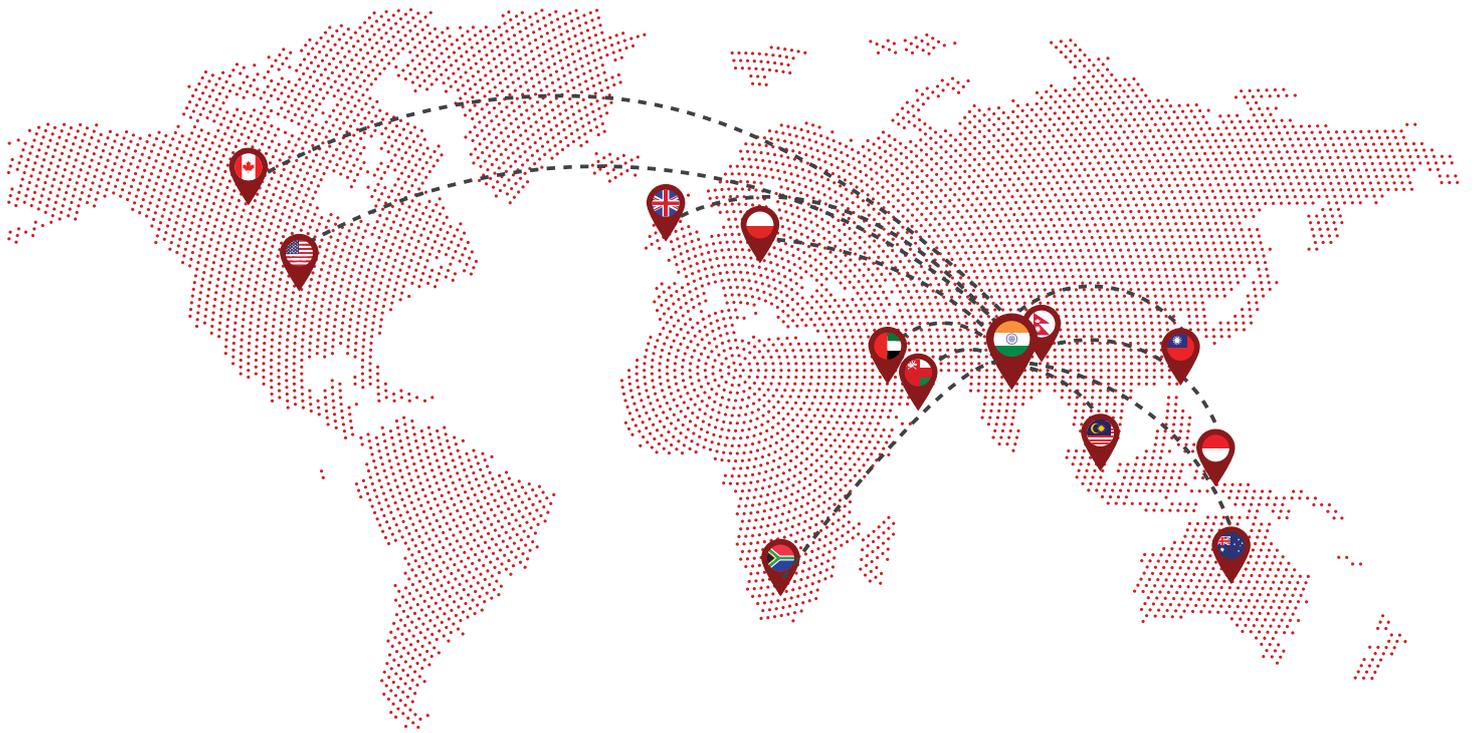
Industrial Expo



EXITFLEX®

SWITZERLAND

AROUND THE GLOBE: OUR EXPORT NETWORK



GERMANY



SWEDEN



USA



POLAND



UK

📍 Chemin de la Crétaux 2, 1196 Gland, Switzerland

✉ info@exitflexabrasives.com | 🌐 www.exitflexabrasives.com