



**GENERAL CATALOGUE**

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Dr. Prof. Celestino Fikai



Eng. Paolo Fikai on FICAI-IAP 750 - Bolzano-Mendola 1954.



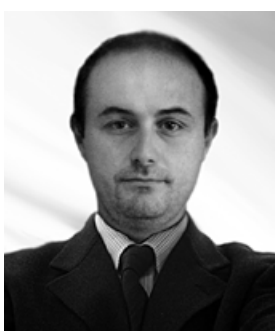
Dr. Eng. Paolo Fikai



Dr. Pietro Fikai



Dr. Eng. Giovanni Fikai



Dr. Eng. Paolo Fikai

## From I.A.P. (INDUSTRIA AUTOMOBILISTICA PARMENSE) manufacturer of racing cars, to **I.A.P. (INDUSTRIA ABRASIVI PARMENSE)**

Industria Abrasivi Parmense, subsequently evolved with the commercial brand GLOBE, originates in 1961 from an idea of Paolo and Pietro Fikai brothers, who availed of father Celestino's experience, full professor of Applied Chemistry at the University of Bologna, as well as co-founder and director of the Ceramic Centre linked to the Faculty.

Prof. Celestino's researches mainly focused on industrial ceramics, which at that time was growing in Modena area, on special cements, on the sintering of aluminium oxides to produce abrasive and refractory elements.

The idea of manufacturing abrasive wheels found its completion and realization in the factory in La Spezia street, Parma.

From 1961 to 1971, production was manual and manufactured with rotary distribution presses. Polymerization was already made through continuous ovens, really original (the first ones in the world), designed by engineer Paolo Fikai. In 1971, Eng. Giovanni Fikai joined the company,



The first headquarter of Industria Abrasivi Parmense in via La Spezia, 75

moving production to the new factory in 160, La Spezia street, where it widened over time until reaching the actual dimensions of approximately 6500 square metres.

From 1972 on, Eng. Giovanni and Dr. Pietro focused on a continuous and dynamic expansion aiming at products' improvement and automating production. Later, Eng. Giovanni internally designed and built all automatic presses, the continuous tunnel ovens and the mixing systems. So it was that, together with the high innovation and quality of GLOBE wheels, a company automation was developed, featured by a strong design originality thanks to the deep knowledge of production problems, which still continues today.

In 2001, Eng. Paolo Fikai, son of Eng. Giovanni Fikai, joined the company supporting and consolidating its development. In 2013, GLOBE acquired a new factory of 6000 square metres in Rubbiano di Solignano (Parma) on the highway A15, where GLOBE organized production of flap discs, as well as packaging and logistic operations. Research and development tirelessly proceed in all production stages with the aim of achieving new, better and advanced products.

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COMPANY



TYPE 41

20	<b>FLAT THIN CUTTING WHEELS</b> (FOR PORTABLE ANGLE GRINDERS)
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TYPE 41



TYPE 01

22	<b>FLAT STANDARD CUTTING WHEELS</b> (FOR PORTABLE ANGLE AND STRAIGHT GRINDERS)
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TYPE 42

24	<b>DEPRESSED CENTER THIN CUTTING WHEELS</b> (FOR PORTABLE ANGLE GRINDERS)
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TYPE 42

26	<b>DEPRESSED CENTER STANDARD CUTTING WHEELS</b> (FOR PORTABLE ANGLE GRINDERS)
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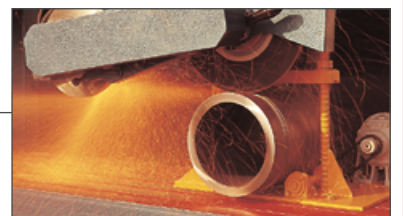


TYPE 41



TYPE 42

29	<b>CUTTING WHEELS Ø&gt;230mm</b>
30	FLAT STANDARD (STATIONARY MACHINES)
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CUTTING



TYPE 42

38

**COMBI SPEED**

DEPRESSED CENTER WHEELS  
FOR THIN CUTTING AND LIGHT GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 42

39

**COMBI EXTRA**

STANDARD DEPRESSED CENTER WHEELS  
FOR CUTTING AND GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 42

40

**PIPELINER**

STANDARD DEPRESSED CENTER WHEELS  
FOR CUTTING AND CAULKING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 27

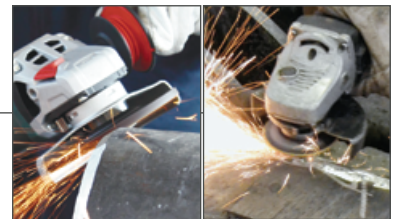
42

**DEPRESSED CENTER GRINDING DISCS FOR GRINDING**

HEAVY GRINDING  
(FOR PORTABLE ANGLE GRINDERS)

43

STANDARD GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 01

45

**FLAT GRINDING DISCS FOR FRONT GRINDING**

(FOR PORTABLE STRAIGHT GRINDERS)



TYPE 29

46

**FLEXCELLENCE - MORE THAN A FIBERDISC**

SEMIFLEXIBLE DEPRESSED CENTER DISCS FOR FLAT GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 29

48

**TURBOTWISTER - SEMIFLEXIBLE GRINDING DISC**

DEPRESSED CENTER GRINDING DISCS FOR FLAT GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 28

50

**CONE - SAUCER GRINDING WHEEL**

DEPRESSED CENTER WHEEL FOR FLAT GRINDING  
(FOR PORTABLE ANGLE GRINDERS)

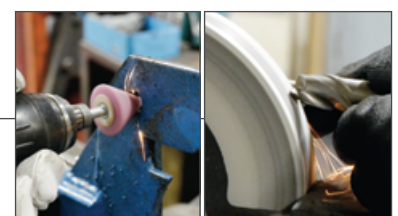
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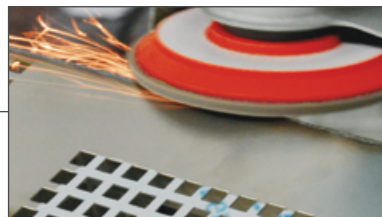




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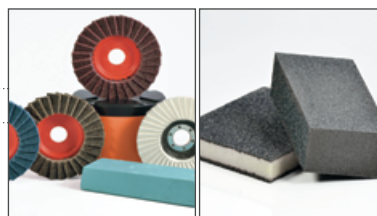
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COMPLETE RANGE OF PRECISION DISCS FOR  
CUTTING, GRINDING AND FINISHING  
(Ø 50 TO 75mm)



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ADAPTOR RINGS FOR BIG DIAMETER CUTTING DISCS



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COUNTER DISPLAYS (STEADY AND ROTATING)  
FLOOR DISPLAY  
PATENTED PACKAGING



SINCE 1961, WE DESIGN AND MANUFACTURE  
INNOVATING AND HIGH QUALITY  
PRODUCTS FOR YOUR WORK

NEWS

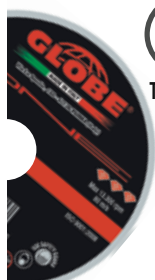
NEW PRODUCTS



Since 1961 **I.A.P. GLOBE** develops and manufactures abrasive tools of great value in terms of innovation and quality achieved with equipment internally designed and availing of proprietary and patented technologies.



TYPE 41



TYPE 42



### HP-ONE

Better precision, speed, life and quality: all in 'one'.

### X-CELLENCE ONE

TOP OF THE LINE

The best GLOBE precision and safety in a disc with unique features.



**PLUS**  **CUTTING**  
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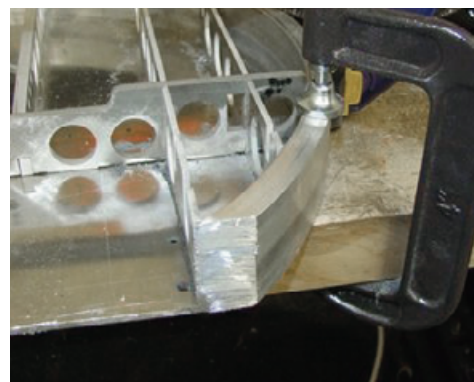


TYPE 41



### TITANIUM

A special thin cutting disc, precise and high-performing, tailored for titanium processing.



**PLUS**  **CUTTING**  
pag. 21



TYPE 41



### EVOLUTION

A line with an excellent quality/price ratio.



**EVO**  **CUTTING**  
pag. 21



TYPE 42



## THIN CUT

A special **ultra thin** disc for the building industry, designed to easily and quickly replace tiles without breaking the adjacent ones.



PLUS  CUTTING

pag. 25



TYPE 41



TYPE 41



## RAILCUT II LONG LIFE

Discs for rails with very long durability.

## RAILCUT II FASTCUT

Disc for the fast cutting of rails.



PLUS  CUTTING

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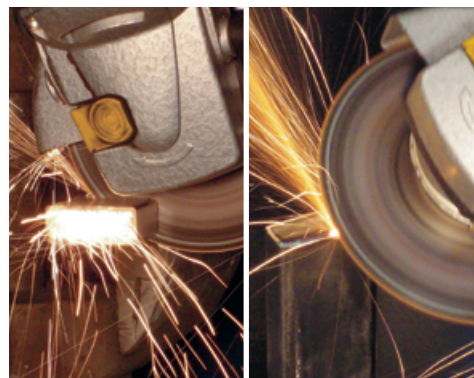


TYPE 42



## COMBI SPEED

Thin cutting and light grinding with only one disc.



PLUS  CUTTING GRINDING

pag. 38



TYPE 27



## GRIND POWER III

Grinding disc with high removal capacity. With an innovating system for reducing vibrations and noises for a better comfort of use.

(PATENTED).



PLUS  GRINDING

pag. 42



TYPE 29



## FLEXCELLENCE

Semi-flexible sanding disc with built-in backing pad. Operations under control with precision, maximum comfort and highest performance.



PLUS  GRINDING

pag. 46



TYPE 29



## NEW TURBOTWISTER

Semi-flexible disc,  
precise, fast and absolutely  
comfortable in use.  
(PATENTED).



PLUS  GRINDING

pag. 48

ABRASIVE  
FLAP  
DISCS

## FINISHING PRO

Finishing in only one  
passage.



FINISHING

pag. 70



DIAMOND TOOLS

## DIAMOND DISCS AND CORERS

Line of diamond tools for  
cutting and coring of: mar-  
bles, bricks,  
reinforced concrete,  
granites, tiles...



pag. 78



CLEANING

## CLEANERS AND POLISHING PRODUCTS FOR METALS

Innovating and  
environmental friendly  
detergents for cleaning  
and polishing. For metals,  
especially stainless steel.



pag. 86



WELDING

## WELDING PRODUCTS

Innovating anti-spatter  
and environmental  
friendly products for  
welding.



pag. 87

# MADE IN ITALY INNOVATING AND QUALITY PRODUCTS



*The production plant in Parma.*

As of today, GLOBE boasts fully automatic and absolutely precise mixing systems, 3 tunnel ovens for a cooking capacity of over 40 million pieces/year, an automatic press fleet able to produce any type of resin bonded discs with diameters from 30 up to 800 mm, in addition to an internal laboratory for testing raw materials, and a testing section for checking safety parameters and product performances. Research and development go on, tirelessly towards a continuous improvement of quality in order to reach an enhanced productivity and automation.

*The continuous research takes GLOBE to develop an important package of international patents, which characterize a wide range of products: **New Turbotwister, Combi Extra, Safecut III, ZAC, Grind Power III, HT flap discs (High Thickness), X-Cellence One, special packaging, etc.***

Moreover, GLOBE distinguishes itself for the development of discs for special applications and materials such as cutting of test pieces, discs for robot-supported installations, rail cut, oil sector, processing of aluminium, titanium and other special alloys.

Thanks to a know-how handed down from 1961 and to a wide production flexibility, GLOBE is able to supply in a short time (and with the highest quality) products expressly designed for customers' needs and for different applications.

## OUR AIMS

- High products performances
- Excellent quality/price ratio
- Maximum safety
- Excellent product reliability
- Continuous innovation
- User-friendliness and comfort
- Efficient sales service
- After-sales service
- Environmental protection

## HOW WE OBTAIN THEM

- Selected raw materials, know-how, research and innovating manufacturing technologies
- Continuous controls during all production phases
- Internal production of plants and machines
- More than 55 years of experience in this field
- 4 generations of engineers and chemists
- Portfolio of international patents
- Constant engagement in research and development
- Innovating manufacturing machines and technologies
- Efficiency and quick deliveries



*The logistic/production plant in Rubbiano.*



## TO STAND OUT:

design, produce, deliver unique and high quality abrasive products through a constant research and the internal design/production of manufacturing machines.



## TRADITION:

continue with passion and a constant devotion, the family business through the realization of the entire productive cycle "Made in Italy".



## SAFETY AND QUALITY GUARANTEE:

supply safe and high-performance products in every way through certifications, severe internal and external controls on raw materials, process and final product; complete traceability of products as well as usage information, safety data sheets, after-sales service...



## GLOBAL VISION:

pursue a global vision through the diffusion in all continents, always paying attention and adapting to special requirements of different markets.



## SERVICE:

offer professional products, which can improve usage comfort and productivity, contributing to competitiveness, safety and to our partners' satisfaction, reducing their production costs. To support customers through the development of new, reliable, innovating and quality solutions. Fast deliveries and efficient after-sales service.



## SPECIALIZATION:

through products expressly studied for every field: mechanical, oil, railways, chemical, building industry, naval, aerospace, etc.



## INNOVATION:

devote to continuous research and development aimed at improving products.



## VALUES:

add and to spread the value in all that we do. Value given by people, research and quality production.



## SUSTAINABILITY AND ENVIRONMENTAL PROTECTION:

contribute to sustainability, both of process and of product, through certified production standards and the development of solutions with a small discard and more respectful of the environment, preserving it for future generations. Energy monitoring to minimize and optimize energy use. Analysis and control of emissions through processes and technologies, which guarantee an impact as limited as possible.



(Pic. 1-4) Machines for tests:

All GLOBE products are continuously tested and homologated according to international safety standards. Our laboratory daily carries out crash tests (pictures 1-2-3-4) and side load tests (picture 5). All products are visually checked one by one before packing them, in order to guarantee safety, quality and reliability to customers and users. GLOBE wheels are produced in full compliance with safety requirements, and they are subject to strict tests in order to guarantee a safe use also in difficult situations. Layers of abrasive mixture are alternated with fiberglass reinforcements (certified European production) soaked with resins. The strong adhesion between reinforcements and binder of the mixture gives suitable features of endurance to the wheel.

Safety has always been a priority for GLOBE: during production, check and use of products, and putting into every box complete and detailed instructions about storage and use (picture 6), to support customers to work in full safety. Similarly, a wide area of the website [www.globabrasives.com](http://www.globabrasives.com) is dedicated only to safety, to give additional information, safety data sheets, possible batches recalled, contacts to receive any type of information and links to associations, international organizations about the different aspects of safety.

GLOBE is a member of **FEPA** and **OSA**, the associations grouping the best manufacturers of abrasives in the world. **FEPA** and **OSA** members produce high quality abrasives of any type: rigid, flexible, non-woven, superabrasive... for every field and business (automotive, aerospace, building industry, etc.), in compliance with strict regulatory safety protocols. Safety also means to adopt some simple rules by the user; we remind especially:

- to use discs wearing the prescribed personal protective equipments (gloves, goggles, noise-canceling headphones, etc.);
- to use appropriate machines and equipped with safety guard;
- to read and to adopt all safety measures listed in the safety instructions.

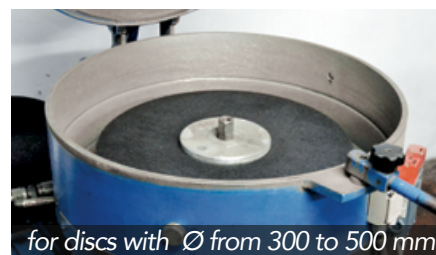
(Pic. 6) GLOBE instructions and safety data sheets in the packaging. They are at the end of this catalogue.



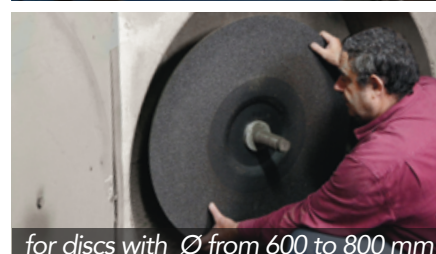
for discs with Ø from 50 to 230 mm



for discs with Ø from 115 to 350 mm



for discs with Ø from 300 to 500 mm



for discs with Ø from 600 to 800 mm

(Pic. 5) Machine for side load test and impact test.



# GLOBE CERTIFICATIONS



GLOBE is one of the world manufacturers of top quality abrasive wheels, produced with raw materials supplied by ISO certified manufacturers in the European Union. All productions are carried out in the plants of Parma and Rubbiano (PR) - Italy.

Great care is always dedicated to chemical and mechanical safety of products for safeguarding and protecting users.

A prerogative of GLOBE products is the involvement and the responsibility of workers, obtained through a traceability system, which allows to trace at any time and throughout the period of validity of every wheel: day, month, year of production, and all the staff involved in the manufacturing phases; from pressing to checking and shipping. Every phase of the production process is checked and stored: incoming raw materials, mixtures during production, pressing, registration of polymerisation cycles tests, and inspection before packaging. In particular, tests of production batches and visual checks are carried out daily with certified machines and everything is stored in order to guarantee a very high safety level.

All documents are stored to guarantee a total traceability of every wheel produced. This careful management allowed us to obtain the ISO 9001 certification for many years already.

Moreover, since the early 2000s, GLOBE was admitted among the first producers in the OSA association (Organization for the Safety of Abrasives). Through strict and binding regulations, OSA guarantees a high standard of product safety for the protection of users.

Furthermore, GLOBE complies with the Italian regulations (DDL 320 dd. 5th November 1990, DDL 554 dd. 3rd December 1992) and the European ones (EN 12413 and EN 13743). It is also possible to produce certified abrasive discs and wheels for applications in nuclear plants in accordance with the different requirements of the different countries.



OSA certification



ISO 9001 certification



Nuclear certification

# WORKING WITH ABRASIVE DISCS: QUALITY, KNOWLEDGE, TECHNIQUE AND RESEARCH ARE THE BASIS OF GLOBE PRODUCTIONS



**X-Cellence ONE:**  
ultra-thin cutting disc with  
very long durability.  
The depressed center "narrow  
dome" allows a bigger cutting  
penetration and a high  
number of cuts.



**Flexcellence:**  
self-supporting fiberdisc.  
High removal capacity and long dura-  
bility. Offers a big comfort of use and  
an excellent working precision.

Nowadays, abrasive wheels are the fastest and the most versatile tool that technology can offer for cutting and processing various materials. With abrasive cutting discs, you can cut metal profiles, any type of sheets, railway sleepers, reinforced concrete joists, stones, marbles, granites, refractory materials, pipes, melting of various alloys, foundry feeder-heads, steel test pieces, etc...

**Continuous researches and improvements** brought to widen the range of discs more and more selectively to enhance their performances for different works to carry out and for different materials.

An example is the development of thin cutting wheels (thickness between 1,0 mm and 1,6 mm) which, thanks to their high penetration speed and to the cooling power of some additives and fillers, allow to carry out cold cuts avoiding the hardening of materials for self-quenching (common phenomenon when using cutting discs thicker than 2,5/3,2 mm) as well as to reduce the formation of burrs on the section cut.

The development of new products and solutions are one of the most important aspects of GLOBE work.

Just to mention some of them:

- the patented boxing system of wheels, unique in the world (cylindrical plastic or plastic coated cardboard boxes), which preserves and protects in the best way the wheel from ageing factors and degradation;
- the several new products put on the market by GLOBE, tools able to provide innovating solutions and better performances such as for example:

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- One  
- X-Cellence One  
- Safecut III  
- Heavy Cut  
- Grind Power III

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- Railcut (Long Life and Fast Cut)  
- Combi Extra  
- Combi Speed  
- Flexcellence  
- New TurboTwister

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## THE INGREDIENTS OF THE WHEEL

Abrasive wheels are made of 3 main elements (in addition to the label and to the metal washer):

1. **cutting active element:** abrasive grains;
2. **binding element:** resins, that polymere in special polymerization ovens, bind and hold together manufactured products;
3. **strengthening elements:** fiberglass reinforcements used to increase products' resistance and to reach high rotation speeds in full safety.

## 1 - ABRASIVES

GLOBE always uses abrasives produced by the best European manufacturers; they guarantee high performances and constancy of physical/chemical parameters. Abrasives are among the hardest materials in Mohs scale. Thanks to this feature, they are able to scratch softer materials like metals and stone. Lots of little grains collectively scrape off and generate the cutting and grinding effect at the microscopic level.

**Among the main types of abrasives there are:**

**aluminium oxide or brown corundum (pic. 1):**

it is the most common of abrasives and has a medium level of toughness and friability. It is a crystal of aluminium oxide containing a small percentage of iron oxide and titanium oxide, which improve the features of toughness.

**Ceramic-coated brown corundum (pic. 2):**

the feature of this abrasive is to have a "cover" on abrasive grains able to increase adhesion between grain and binding resin. Its hardness and friability are similar to those of brown corundum and thanks to special milling processes it is possible to give grains different shapes (more or less rounded, sharp etc..) that determine different cutting capabilities and discs' durability.

**Alumina zirconia (pic. 3):**

it is very tough and has the special feature of "bursting" at high temperatures, in order that grain is regenerated with new cutting "edges". This type of abrasive is produced by introducing zirconium oxides during arc melting. Alumina zirconia, if used correctly, is one of the most efficient and long-lasting type of abrasive on the market; it has a very high toughness and hardness besides a very high resistance to the most difficult stresses thanks to its ability to self-change its cutting edges.

**Semi-friable corundum (pic. 4):**

more friable than brown corundum and less tough. This determines better cutting capability but less resistance to mechanical stress (this means an easier and faster cut but with a quicker consumption). Also this type of abrasive can be ceramic-coated in order to increase adhesion between grain and binding resin.

**White corundum (pic. 5):**

even more friable than the semi-friable one, it is however a bit tougher. Its features are: high cutting capability and low resistance to mechanical stress. Suggested for use on very hard metals.

**Silicon carbide (pic. 6):**

silicon carbide is one of the most sharp abrasives, and it is the most suitable for working non-ferrous metals, stones, refractory marbles, etc... Its high friability and hardness make this abrasive rather fragile but regular in its consumption. Especially for the sharpness and fragility of its crystals, it can only be used for a few applications but its very high hardness makes it irreplaceable in working hard materials such as stone.

**Ceramic abrasive or Sol gel (pic. 7):**

produced by sintering (no electrofusion), it is the most valuable and performing abrasive as well as the most expensive. It has a limited use in the field of abrasive wheels, because of its high cost; in any case, it offers excellent cutting and abrasion.

It is mostly used with abrasive papers and canvas where it is possible "to stick" grains to canvas in a strong way, thus enhancing its cutting capability.

These are only some of the abrasives available on the market, but there are also others such as monocrystalline, pink, ruby red, etc. The combinations of these abrasives, agglomerated in resin matrix, usually phenolic (but also modified), with different powders and with specific additives, give wheels their special working properties making them more or less suitable for different applications.

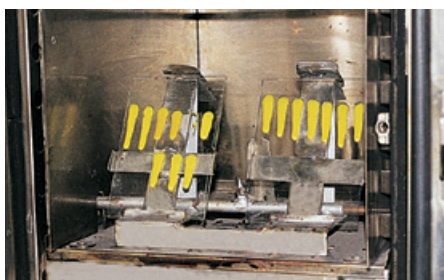




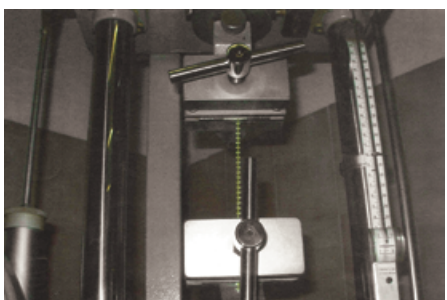
*pH metric titration of resin powder.*



*Titration of chemical compounds. Determination of viscosity.*



*Creep test for phenolic resin powder.*



*Yarn resistance test of fiberglass reinforcements.*



*Fiberglass reinforcements: some types of reinforcements of GLOBE wheels.*

Granulometry of the abrasive chosen for the mixture is of great importance to characterize the wheel, it can be divided as follows and is expressed in Mesh:

<b>coarse grits</b>	<b>12-14-16-18-20-22-24</b>
<b>medium grits</b>	<b>30-36-40-46-50-54-60</b>
<b>fine grits</b>	<b>70-80-90-10-120 and more</b>

Granulometry has to be chosen according to the wheel's thickness (for example very coarse grits cannot be used in very thin wheels) and to the features (penetration capacity, hardness and lifetime) that the wheels should have.

Abrasive grains are also characterized by: shape, thermal treatment and "coating". In fact the grain can be rounded ("cube-shaped"), can have live edges, more or less long shapes, can be coated with ceramic material to improve adhesion with binding resin or can be baked again at high temperatures to obtain a higher toughness.

## 2 - BINDING RESINS

Resins used by GLOBE are produced only by European producers, selected overtime for their reliability to supply high performance products and to keep the strict physical/chemical requirements necessary for manufacturing quality wheels.

Binding resin has the task to agglomerate abrasive grains and fiberglass reinforcements in a solid and strong body. The most used resins are phenolic in liquid and powder form. This type of resins has the important characteristic to give a high resistance to the heat developed during cutting or grinding. Phenolic resins are mixed with abrasives and additives in order to obtain a mixture, which is placed in the moulds of the hydraulic presses, and pressed at  $200 \div 300 \text{ kg/cm}^2$ . The product obtained is placed between the metal cooking plates and then sent to polymerization ovens where there is the irreversible formation of chemical bonds between molecules of phenolic resin, allowing to obtain a solid matrix and resistant to stress and high temperatures.

## 3 - FIBERGLASS REINFORCEMENTS

Considering that abrasive wheels increase their performances with the increase of their peripheral speed, and considering that with organic resinoid binders only, it is impossible to obtain enough resistance to centrifugal forces (peripheral speed in the order of  $80\text{-}100 \text{ m/s}$ ) and to different mechanical stresses, fiberglass reinforcements, soaked with resins and partially polymerized, become part of the wheel structure.

Thanks to these reinforcements, it is possible to obtain a structure properly reinforced, able to support high stresses and to reach the required safety values. Reinforcements are different: characterized by the weight/m<sup>2</sup> of canvas, by the type and weight of yarn (twisted or flat), by the mesh width, by the type and quantity of impregnation (a factor that guarantees adhesion to the mixture, composing the wheel).

Obviously, for higher peripheral speeds and stricter uses, heavier fiberglass reinforcements and in greater numbers will have to be used. Reinforcements can be applied on the sides and/or inside the disc, but for applications like laboratory discs for cutting test pieces, reinforcements are not used and considering that the wheel is fragile, safety is entrusted to the full enclosure of the machine.

## HOW DISCS ARE MANUFACTURED

To build a high quality product, GLOBE carries out **continuous tests** on raw materials supported by sophisticated tools. Abrasive mixtures are produced automatically, and are computer controlled.

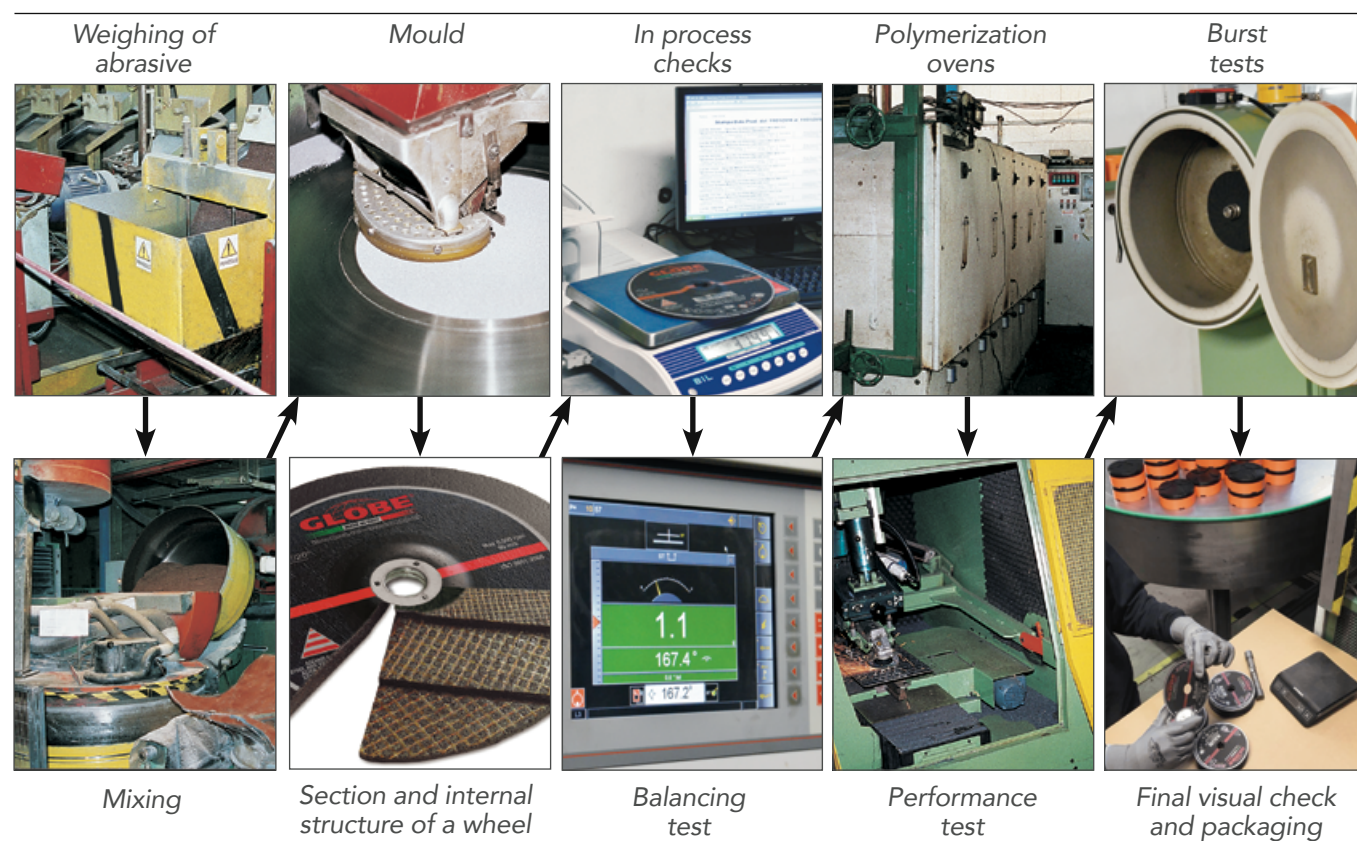
Each abrasive mixture has its "identity card", which follows it for the entire lifetime of the mixture. This allows GLOBE, through its traceability system, to go back at any time to a specific mixture (type, day and hour of production) used for the production of every single wheel.

Each mixture is linked to registers of raw materials used for its production, allowing to consult all the relevant physical/chemical analysis previously done on the specific raw material.

The real building of wheels takes place by assembling single components (fiberglass reinforcements, abrasive mixture, metal washer and label) through modern automatic presses (built by GLOBE).

A typical wheel is structurally conceived with a layer of upper fine grit mixture, which better bears crashes and stress, keeping a regular wear of the edge and with additional layers of coarse mixture to enhance removal performances.

Cutting discs, having to be particularly thin, are almost always made by two external fiberglass reinforcements with only one layer of abrasive mixture in between. Usually, large diameter discs (and consequently thicker) are made of more layers of abrasive mixture (of the same type).



During the wheel moulding phase in the press, hundreds of checks are carried out every day, verifying especially, the main parameters of the wheel: weight, thickness, bore diameter, general appearance of the product and balancing. Balancing is carried out through modern electronic systems, and always keeping an unbalance level much lower than the one allowed by the present regulations UNI ISO 6103. The bore tolerance is constantly checked in accordance with ISO 525 regulations. In fact, too small bores prevent the correct installation, while, too big bores cause vibrations during use because of an eccentric mounting.

All production data are collected in electronic format, and they are stored for years for a perfect traceability. Wheels, so pressed, cannot be used yet because the mixture binding resin has to undergo a polymerization process, which gives the necessary and final mechanical resistance. To this aim, wheels are piled on special trolleys (between metal cooking plates, that protect their flatness). Trolleys full of wheels are sent to the polymerization tunnel (built by GLOBE).

Inside the tunnel, wheels follow a slow and progressive raising of temperature adjusted and monitored through sophisticated electronic tools, perfectly following the cooking cycles studied on purpose. The cooking processes are filed on a computer allowing to go back for each wheel (through the traceability system) to the specific temperature cycle followed. Once wheels are polymerized and cold, the prescribed sample checks are made to verify mechanical resistance, and data are entered into electronic archives. The final phase consists in a visual inspection of every single wheel to isolate possible faulty pieces, and ends with packaging. All the above mentioned procedures allow GLOBE to control and fully trace each wheel produced guaranteeing a high standard of quality, safety and reliability.

# TECHINICAL NEWS ABOUT CUTTING DISCS

Besides components and types of raw materials used for production of abrasive wheels, the building technique is fundamental. For example to obtain a better performance and a higher structural density in cutting discs, rubber moulds are used in the pressing phase that stamp a high surface roughness on the cutting disc's sides under pressures in the order of 300 Kg/cm<sup>2</sup>. This roughness is very important to obtain a fast penetration and a cold and white cut, especially when cutting full sections and it is stronger in discs without side reinforcements.

If cutting discs are reinforced inside, they usually have a rougher surface on the sides (in fact, in these cases, external reinforced with smaller diameter are often used), which allows a better penetration into the piece. If external reinforcements are on the whole diameter, a better resistance to side stresses is obtained, but more difficulty in penetration due to the friction of fiberglass reinforcements on the sides.

One of the possibilities to minimize this problem, is to use cutting discs with a suitable thickness for the work to be carried out. Important information on proper use and good operation of a cutting disc can be obtained by observing the edge shape which originates during cutting.

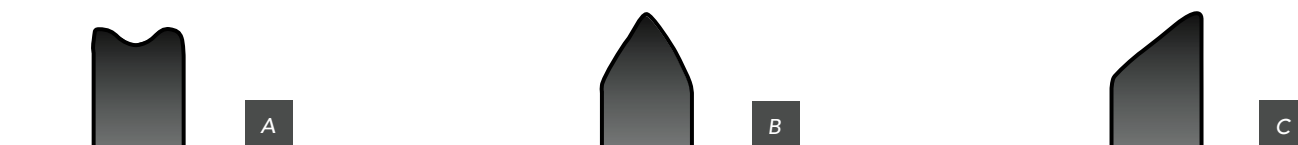
## In fact:

**if the edge section is flat or slightly concave in the center (A)** it means that there was a correct operating performance, showing a right balance between cutting performance and disc consumption. The slight concavity that can arise in the middle is usually due to a central fiberglass reinforcement wearing out faster than the side areas;

**if the edge section is pointy (B)**, and there are crumbled areas on the edge, dark colour and burning smell, it means that the disc is too hard and not suitable for the type of cut currently being carried out (usually not suitable for cutting full sections or for the type of material being cut). Going on with the work may lead to jamming or breaking of the disc;

**if the edge section is pointy and asymmetric (C)** one of the following situations is happening:

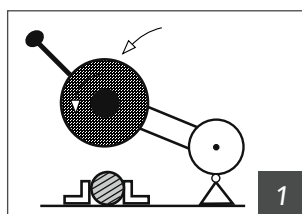
- 1) the piece to be cut or the moving forward (positioning) of the wheel are misaligned.
- 2) the wheel, manufactured with an abrasive mixture with different grit sizes, was wrongly subject to grit separation during distribution and pressing, so that fine grit sunk down and coarse grit remained on top. This determines a different density and hardness on the two sides of the disc and causes an uneven consumption of the disc.



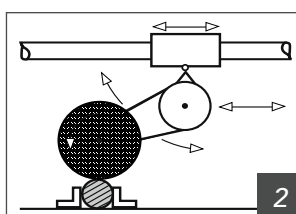
**Caution: in both above mentioned cases it will lead to straining and to possible breaking of the wheel.**

The choice of the most suitable cutting wheel to be used for the work to carry out is also strictly tied to the cutting mode with which the cut will be made (machine and shape of the pieces to be cut). The aim is to achieve a fast and white cut (in the shortest time possible) thus limiting the heat developed in the process.

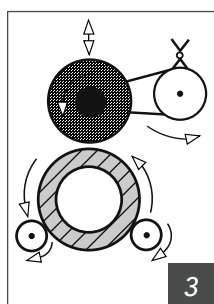
Some examples of the most common working methods are:



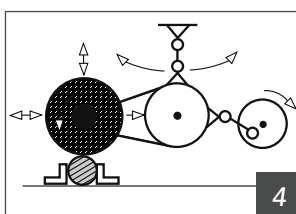
1) workpiece locked and cutting wheel going down vertically on the workpiece.



2) workpiece locked on the bench of a bridge machine with stationary or swinging cutting wheel horizontally; or stationary or swinging cutting wheel with horizontal moving of the piece on mobile trolley.



3) cutting wheel comes down vertically on the workpiece which is rotated by means of special mechanical equipment. The cutting wheel may also be swing-frame and swing from top to bottom.



4) cutting wheel comes down vertically and swings horizontally (sometimes also vertically) on the workpiece locked on the bench.

# UNBALANCE ACCEPTED, TOLERANCE OF BORES AND SPEED (RPM) OF GRINDING AND CUTTING DISCS

GLOBE pays special attention in balancing wheels with products respecting even stricter values than those foreseen by the UNI EN ISO 6103 reference norms.

$$m_a = K \sqrt{m_i}$$

Where:  
 $m_i$  = wheel mass  
 $K$  = is obtained from the following table

USE	MACHINE	TYPE OF ABRATIVE	DIMENSIONS		Coefficient K for maximum operating speed (m/s)		
			Diameter mm	Thick. mm	16 ≤ vs ≤ 40	40 < vs ≤ 63	63 < vs ≤ 100
GRINDING	Portable	Types 1/27/28/29	115 < D ≤ 150	—	0,40	0,32	0,25
			150 < D ≤ 180	—	0,40	0,32	0,20
			D > 180	T ≤ 6	0,40	0,32	0,20
				T > 6	0,32	0,25	0,20
CUTTING	Portable	Types 41/42	115 < D < 400	—	0,40	0,32	0,20
	Swing frame or stationary	Types 41/42	D < 300	—	0,50	0,40	0,32
			D > 300	—	0,63	0,50	0,40

MAXIMUM UNBALANCE ADMITTED.

The maximum unbalance admitted ( $m_a$ ) is governed by the norm UNI ISO 6103 and is expressed in grams on the disc's periphery.

vs: peripheral speed of disc during the use

$d$ = bore diameter	until 18mm	$\left[ \begin{array}{c} +0,15 \\ -0 \end{array} \right]$ mm
	from 18 to 30mm	$\left[ \begin{array}{c} +0,21 \\ -0 \end{array} \right]$ mm
	from 30 to 50mm	$\left[ \begin{array}{c} +0,25 \\ -0 \end{array} \right]$ mm
	from 50 to 80mm	$\left[ \begin{array}{c} +0,30 \\ -0 \end{array} \right]$ mm

BORE TOLERANCE.  
 UNI ISO 525 norm,  
 for cutting and grinding wheels.

Wheel diameter in mm	Peripheral speed			
	45 m/sec.	60 m/sec.	80 m/sec.	100 m/sec.
	RPM	RPM	RPM	RPM
50	17200	22800	30500	38210
75	11455	15300	20400	25470
100	8600	11450	15300	19100
115	7470	9965	13200	16600
125	6875	9200	12200	15280
150	5730	7640	10200	12730
178	4900	6450	8510	10675
200	4300	5730	7640	9550
230	3730	4980	6615	8300
250	3440	4575	6100	7640
300	2865	3820	5100	6360
350	2450	3275	4360	5460
400	2150	2870	3810	4770
500	1720	2290	3050	3820
600	1430	1910	2550	3185
800	1075	1430	1900	2380

TABLE OF CORRESPONDENCE PERIPH. SPEED/RPM/DIAM.

# READING THE LABEL



## 1) MANUFACTURER (NAME, ADDRESS AND DECLARATION OF ORIGIN):

IAP - GLOBE srl. Via La Spezia, 160 - 43126 Parma - Italy

## 2) CERTIFICATION: OSA (Organization for the Safety of Abrasives);

REGULATIONS REFERENCE OF THE PRODUCTS: (EN 12413).

## 3) SIZE: outer diameter, thickness and bore diameter (in mm).

4) THE 3 GLOBE LINES:    PLUS |   EVOLUTION |  DYNAMIC

## 5) COLOURED STRIPE: it shows the maximum peripheral speed of use

green: 100 m/s

red: 80 m/s

yellow: 63 m/s

blue: 45 m/s

## 6) WHEELS AND DISCS' OPERATING SPEED: in RPM and m/s

## 7) CONTENT SPECIFICATIONS: iron, sulphur, chlorine.

## 8) TYPE OF ABRASIVE:

A-Corundum (aluminium oxide)

C-Silicon carbide

Z-Alumina zirconia

SG-Sol gel (ceramic abrasive)

## 9) GRIT SIZE:

coarse: from 16 to 24

medium: from 30 to 60

fine: from 70 to 120

## 10) HARDNESS:

P/Q: medium

R/S: hard

T: very hard

## 11) DIRECTIONS FOR SPECIFIC APPLICATIONS:

Al: Aluminium

X: Stainless steel

G: Cast iron

E: Building materials

## 12) TYPE OF BINDER: B = phenolic resin

## 13) TYPE OF REINFORCEMENTS: F = fiberglass cloths (if absent = disc/wheel not reinforced)

## 14) COLOUR OF IDENTIFICATION OF THE TYPE OF USE:

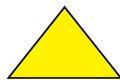
the colour of triangles identifies the type of material where to use the wheel



Steel and stainless steel



Steel



Stainless steel



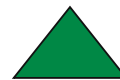
Titanium



Aluminium and non-ferrous metals



Cast iron



Stone

## 15) SAFETY PICTOGRAMS:

FOLLOW  
SAFETY  
INDICATIONS

symbols of prohibitions and prescriptions on labels, website, package leaflets, etc, which must be observed by the worker. GLOBE products are professional tools, the use of which is intended for experienced staff.

USE  
SAFETY  
GUARDPROTECT  
LUNGSPROTECT  
EYESPROTECT  
EARSPROTECT  
HANDSUSE  
WORK AND  
SAFETY  
SHOESUSE ONLY  
WITH  
BACKING PAD  
(FIBER DISCS)DON'T USE  
IF  
DAMAGEDDON'T USE  
WITH  
PORTABLE  
MACHINENOT SUITABLE  
FOR  
GRINDINGUSE OF  
COOLANT  
NOT  
ALLOWEDUSE  
OF  
COLANT  
ALLOWED

## 16) INDICATION OF THE WEBSITE FOR INFORMATION ABOUT THE PRODUCT:

visit the SAFETY AREA of the website with all useful information to choose the product along with the instructions for a correct use.

## 17) EXPIRY DATE:

wheels for portable machines are valid for three years\* starting from production date. Wheels for stationary machines do not expire. If necessary, the expiry date is available:

on the WHEEL, printed on the metal washer where the expiry date (V=validity) is written in month and year (mm, yy), if there is no washer, the expiry date is directly printed on the disc;

on the BOX, in the special adhesive label on which also the following data appear: production date, operator in charge of the wheel's manufacturing, operator in charge of checks before packaging, packaging date.

\*LABCUT discs have two years' validity.

## 18) ARTICLE CODE:

allows the identification of each GLOBE product.

# TRACEABILITY SYSTEM

- 1 Operator in charge of closing the baking trolley
  - 2 Operator in charge of wheels' unpiling
  - 3 Operator in charge of wheels' check
  - 4 Operator in charge of packaging
- P** Wheels' production date
- PACK/D** Boxing date

<b>GLOBE</b> WWW.GLOBEABRASIVES.COM		Via La Spezia, 160 43126 PARMA - ITALY Tel: +39.0521.293943 Fax: +39.0521.293743	
QTY DESCR	<b>25</b>	ART <b>G0112</b>	MADE IN ITALY
	<b>CD 115X6,5X22mm A 24-30-36 QBF</b>		<b>VAL 28.07.2020</b>
OPP 1: DEX 2: MEN 3: NIC 4: DAL P: 28.07.2017 PACK/D: 01.08.2017			
MOLE PER SBAVATURA A CENTRO DEPRESSO DEPRESSED CENTER GREINDING WHEELS MEULES D'EBARBAGE			
 8 0 2 3 8 6 7 1 0 0 0 4 3			



Checking product conformity.



The packaging of GLOBE products and the exclusive cylinder with interlocking caps patented by GLOBE.

**For each single GLOBE wheel**, at the moment of manufacturing, an individual label is prepared showing day, month and year of expiry (the same as those of manufacturing but with 3 years more) as well as identity of the operator in charge of pressing. Labels are prepared through a special machine connected to the central computer system.

Daily production of each press is indicated in a production sheet where checks of weight, balancing and thickness of wheels are recorded.

These sheets also include characteristics of the mixture used. Thanks to this information it is possible to quickly trace the batches of raw materials used, their chemical- physical checks are stored both in computer and printed files.

Production sheets trace batches through baking up to the final product test and boxing.

When polymerization is over, the product is transferred to warehouse, where each single wheel is checked and, if approved, is boxed and packed. The codes of the operators who made the checks are shown on the label of the box and of the packing. All checks carried out (with the signature of who made them), also after manufacturing, are reported on the sheets and are electronically stored for the whole product's lifetime (three years after manufacturing date).

On every batch, all resistance tests foreseen by the EN and OSA regulations are carried out.

All data are stored and available. In case of necessity, through the traceability system, it is possible to go back to these data for each single batch.

# PRODUCT INFO AND SAFETY AREA ALWAYS UPDATED AND AVAILABLE FOR YOU... WITH A CLICK



WEB

Considering the peculiarities of GLOBE products, the website is divided into two separate areas: the first is dedicated to the company, its history, the products, while the second is only dedicated to safety in its many aspects, a very important subject-matter for GLOBE.



## In the PRODUCTION area, you can find:

the general catalogue and the product brochures with the latest new products launched by GLOBE on the abrasives market

contacts of the various production and sales departments (both for Italy and abroad)

company certifications and operating instructions of abrasive products

... and much more



## In the SAFETY area, you can find:

information about reading and coding of GLOBE products

regulations and way of use of abrasive products

possible batches recalled

... and much more

WWW.GLOBEABRASIVES.COM

# 3 PRODUCT LINES FOR 3 DIFFERENT NEEDS



PLUS



EVOLUTION



DYNAMIC

- Very long durability
- Extreme speed for cutting and grinding
- Very high precision
- Reduced overheating
- Reduced burrs' formation



## PLUS LINE: INCOMPARABLE PERFORMANCES

PLUS is the more complete and performing GLOBE line of cutting and grinding discs. It was studied to satisfy the most demanding professionals. Result of an experience gained in 60 years of research and development, the Plus line confirms the positioning of GLOBE among the best producers in the world market.

### WHY CHOOSING THE PLUS LINE

Choosing the Plus line, means asking for the best under every point of view, and an absolute guarantee of profit through a longer product's durability, reduction of working time and better quality of the same. Available for: iron and steel, stainless steel, building industry, aluminium, alloys and titanium.

- Reduced working costs
- Long durability
- High cutting speed
- Very high precision
- Line completely exempted from: Fe, S, Cl



## EVOLUTION LINE: A CONTINUOUS EVOLUTION

EVOLUTION is a new line of GLOBE cutting discs.

These products are suggested both for steel and stainless steel and they are designed for operators, who need a good product with a good price.

EVOLUTION is the perfect solution for resellers and end users.

### WHY CHOOSING THE EVOLUTION LINE

The EVOLUTION line guarantees a perfect working of stainless steels without contamination and without sacrificing GLOBE quality.

- Good durability
- Good cutting and removal speed
- Good precision
- Economical and safe



## DYNAMIC LINE: A GOOD PRODUCT AT A GOOD PRICE

Dynamic is the GLOBE line for large-scale distribution, with an excellent value for money. The Dynamic line is composed by a wide range of discs able to satisfy the different areas of application: cutting discs (thin, standard and big diameter cutting) and grinding wheels.

### WHY CHOOSING THE DYNAMIC LINE

As for the other GLOBE discs, also the Dynamic ones respect the strict quality standards and the resistance tests, strictly observing the safety regulations. GLOBE experience guarantees customers an excellent "entry level" solution.



TYPE 41

20

**FLAT THIN DISCS**

(FOR PORTABLE ANGLE GRINDERS)



TYPE 41



TYPE 01

22

**FLAT STANDARD DISCS**

(FOR PORTABLE ANGLE GRINDERS)

23

(FOR PORTABLE AXIAL GRINDERS)



TYPE 42

24

**DEPRESSED CENTER THIN DISCS**

(FOR PORTABLE ANGLE GRINDERS)



TYPE 42

26

**DEPRESSED CENTER STANDARD DISCS**

(FOR PORTABLE ANGLE GRINDERS)



TYPE 41



TYPE 41



TYPE 42

**CUTTING DISCS Ø>230mm**

30

FLAT STANDARD (STATIONARY MACHINES)

32

FLAT - **SECURCUT** and **ALLCUT** (COMBUSTION ENGINE)

33

FLAT FOR RAILWAYS CUT - **RAILCUT** (COMBUSTION ENGINE)

34

FLAT - **CHOPCUT** (FOR LIGHT STATIONARY MACHINES)

35

FLAT FOR CUTTING TEST PIECES - **LABCUT**  
(LABORATORY MACHINES)

36

DEPRESSED CENTER (SWING-FRAME OR STATIONARY MACHINES)





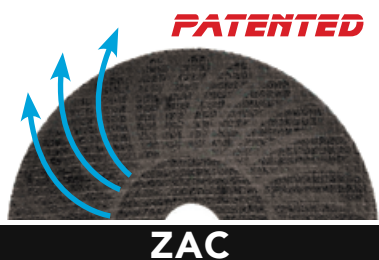
TYPE 41

# FLAT CUTTING DISCS FOR PORTABLE ANGLE GRINDERS

CUTTING



GLOBE thin cutting discs are the most performing and fastest cutting tools on the market. The very thin thickness allows to halve cutting times of conventional discs. Available for the most varied uses and materials (iron, stainless steel, aluminium, titanium, alloys and stone).



**ZAC**

On both sides of **ZAC** very thin "helico-lidal patterns" are pressed (GLOBE patent) that help developing lower friction and reduced heat, enhancing cutting speed and rigidity.



**HP-ONE**

**HP-ONE** is the new ultra-thin disc (1,00mm) for precision cutting of tubes and thin sheet metals. Although it is very thin, this disc is very rigid and has a long durability, meeting all the safety requirements.



**PACKAGING**

GLOBE thin cutting discs are packed in hard plastic boxes (GLOBE patent) that are stackable and reusable. These boxes help protecting and keeping products at the top of their performances.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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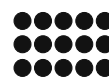
**STAINLESS  
STEEL AND  
STEEL**

**ZA 60 SX:** HP-ONE discs (thickness 1,0 mm) offer unique performances thanks to the zirconia mixture. Very fast and ultra-precise cutting with maximum durability. Cold cut minimizes burrs and pitting on stainless steel.

NEW	115x1,0x22,23	HP ONE	ZA 60 SX	80 m/s	G1624 HP ONE •	25pcs
NEW	125x1,0x22,23	HP ONE	ZA 60 SX	80 m/s	G1721 HP ONE •	25pcs

**PLUS LINE** ♦ ♦ ♦

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



**STAINLESS  
STEEL AND  
STEEL**

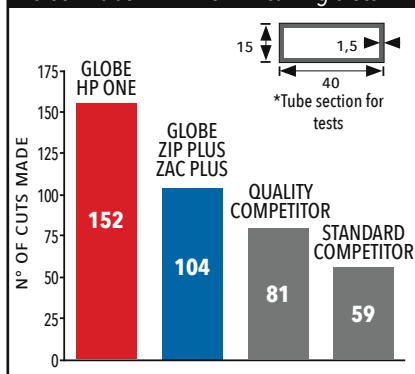
**A 60 SX:** especially conceived for cutting stainless steel and carbon steel. Free from sulphur, iron and chlorine. Excellent cut, fast, cold, long durability.

50x1,3x8,00	A 60 SX	80 m/s	G1621 •	100pcs
75x1,3x9,52	A 60 SX	80 m/s	G1622 •	100pcs
100x1,3x16,00	A 60 SX	80 m/s	G1623 •	25pcs
115x1,0x22,23	A 60 SX	80 m/s	G1624 •	25pcs
115x1,3x22,23	ZAC A 60 SX	80 m/s	G1625 •	25pcs
115x1,6x22,23	ZAC A 60 SX	80 m/s	G1626 •	25pcs
125x1,0x22,23	A 60 SX	80 m/s	G1721 •	25pcs
125x1,3x22,23	ZAC A 60 SX	80 m/s	G1722 •	25pcs
125x1,6x22,23	ZAC A 60 SX	80 m/s	G1723 •	25pcs
150x1,6x22,23	ZAC A 60 SX	80 m/s	G1724 •	50pcs
180x2,0x22,23	ZAC A 60 SX	80 m/s	G1725 •	50pcs
230x2,0x22,23	ZAC A 60 SX	80 m/s	G1726 •	50pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



Comparative cutting tests on stainless steel\* tube with 125mm cutting discs.



• = articles always in stock

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE   



STEEL

**A 60 S:** suitable for cutting iron and steel. Ensure long durability, make work more cost-effective by reducing working times.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



75x1,3x9,52		A 60 S	80 m/s	G1612	100pcs
100x1,3x16,00		A 60 S	80 m/s	G1613	100pcs
115x1,0x22,23		A 60 S	80 m/s	G1614 •	25pcs
115x1,3x22,23	ZAC	A 60 S	80 m/s	G1615 •	25pcs
115x1,6x22,23	ZAC	A 60 S	80 m/s	G1616 •	25pcs
125x1,0x22,23		A 60 S	80 m/s	G1711 •	25pcs
125x1,3x22,23	ZAC	A 60 S	80 m/s	G1712 •	25pcs
125x1,6x22,23	ZAC	A 60 S	80 m/s	G1713 •	25pcs
150x1,6x22,23	ZAC	A 60 S	80 m/s	G1714 •	25pcs
180x2,0x22,23	ZAC	A 60 S	80 m/s	G1715 •	50pcs
230x2,0x22,23	ZAC	A 60 S	80 m/s	G1716 •	50pcs



ALUMINIUM

**A 60 QAL:** for cutting aluminium and other soft non ferrous materials (copper, brass...). Thanks to the special mixture, the disc does not get clogged and is always sharp. Fast cut and excellent durability.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



115x1,3x22,23	ZAC	A 60 QAL	80 m/s	G1645 •	25pcs
125x1,3x22,23	ZAC	A 60 QAL	80 m/s	G1742 •	25pcs



STONE

**C 60 S:** for cutting marble, stones, bricks, concrete, etc. Medium durability.

DISC DURABILITY  
CUTTING SPEED



115x1,0x22,23		C 60 S	80 m/s	G1634 •	25pcs
125x1,0x22,23		C 60 S	80 m/s	G1731 •	25pcs



TITANIUM

**C 60 S-Titanium:** very precise in cutting of titanium and bronze. Fast cut and long durability.  
A GLOBE specialty in a field with the most advanced technology.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW

125x1,3x22,23	ZAC	C 60 S	80 m/s	G1752 •	25pcs
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MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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EVOLUTION LINE  



STAINLESS  
STEEL AND  
STEEL

**A 60 SX:** for cutting steel and stainless steel. Free from Fe, S, Cl compounds (certificate available). Fast and cold cut, long durability.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW

NEW

NEW

NEW

NEW

NEW

NEW

NEW

NEW

115x1,0x22,23		A 60 SX	80 m/s	G1624 EVO •	25pcs
115x1,3x22,23	ZAC	A 60 SX	80 m/s	G1625 EVO •	25pcs
115x1,6x22,23	ZAC	A 60 SX	80 m/s	G1626 EVO •	25pcs
125x1,0x22,23		A 60 SX	80 m/s	G1721 EVO •	25pcs
125x1,3x22,23	ZAC	A 60 SX	80 m/s	G1722 EVO •	25pcs
125x1,6x22,23	ZAC	A 60 SX	80 m/s	G1723 EVO •	25pcs
150x1,6x22,23	ZAC	A 60 SX	80 m/s	G1724 EVO •	50pcs
180x2,0x22,23	ZAC	A 60 SX	80 m/s	G1725 EVO •	50pcs
230x2,0x22,23	ZAC	A 60 SX	80 m/s	G1726 EVO •	50pcs

**EVOLUTION** is the GLOBE intermediate range offering very good performances at a very good price.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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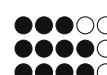
DYNAMIC LINE 



STAINLESS  
STEEL AND  
STEEL

**A 60 SX:** for cutting steel and stainless steel. Free from Fe, S, Cl compounds (certificate available). Fast and cold cut, long durability.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW

NEW

NEW

NEW

NEW

NEW

NEW

NEW

115x1,0x22,23		A 60 SX	80 m/s	G1614 DYN •	100pcs
115x1,3x22,23		A 60 SX	80 m/s	G1615 DYN •	100pcs
115x1,6x22,23		A 60 SX	80 m/s	G1616 DYN •	100pcs
125x1,0x22,23		A 60 SX	80 m/s	G1711 DYN •	100pcs
125x1,3x22,23		A 60 SX	80 m/s	G1712 DYN •	100pcs
125x1,6x22,23		A 60 SX	80 m/s	G1713 DYN •	100pcs
180x2,0x22,23		A 60 SX	80 m/s	G1715 DYN •	50pcs
230x2,0x22,23		A 60 SX	80 m/s	G1716 DYN •	50pcs

The **DYNAMIC** line is the GLOBE proposal to big distribution for all those who pay attention to cheapness and performance, a feature of GLOBE production.























TYPE 41

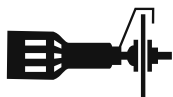
# STANDARD FLAT CUTTING DISCS FOR PORTABLE ANGLE GRINDERS

CUTTING



GLOBE offers a wide range of standard flat cutting wheels of 2,5 mm thickness for portable grinders. Of great importance is the right choice for the work to be done. This range is suitable for heavy works for which thin discs are not the right product. Choosing the right product is essential. The different types of abrasives, different binders and different hardnesses are the fundamentals to always supply the maximum performance to any application. The several combinations offered by GLOBE range always allow to find the best product for the work to be carried out.

MATERIAL	DIMENSIONS (diam · thick · bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	  
 STAINLESS STEEL AND STEEL	A 30-36 Q: for standard use in cutting iron and steel. Good cutting capacity and medium durability. Usable also on stainless steel.					DISC DURABILITY	
	230x2,5x22,23	A 30-36 Q	80 m/s	G1415 •	25pcs	CUTTING SPEED	
 STEEL	A 30-36 R: for cutting iron and steel. Offers a good cutting capacity and long durability. Excellent resistance to stress.					DISC DURABILITY	
	100x2,5x16,00	A 30-36 R	80 m/s	G1421	50pcs	CUTTING SPEED	
	115x2,5x22,23	A 30-36 R	80 m/s	G1422	50pcs	CLEAN CUT	
	125x2,5x22,23	A 30-36 R	80 m/s	G1423 •	50pcs		
	230x2,5x22,23	A 30-36 R	80 m/s	G1425 •	25pcs		
	 STEEL	A 30-36 T: manufactured with special resins and abrasives. Offers an excellent cutting capacity, long durability and excellent resistance to the most heavy stress.					
180x2,5x22,23		A 30-36 T	80 m/s	7325115370100	25pcs		
	230x2,5x22,23	A 30-36 T	80 m/s	G1435	25pcs		
 STAINLESS STEEL	Z 30-36 SX: wheel containing alumina zirconia for use on alloy steel and stainless steel. Without sulphur, chlorine and iron compounds (certification available). Excellent cold and fast cutting, long durability.					DISC DURABILITY	
	115x2,5x22,23	Z 30-36 SX	80 m/s	G1442	50pcs	CUTTING SPEED	
	125x2,5x22,23	Z 30-36 SX	80 m/s	G1443 •	50pcs	CLEAN CUT	
	180x2,5x22,23	Z 30-36 SX	80 m/s	7325115360100	25pcs		
	230x2,5x22,23	Z 30-36 SX	80 m/s	G1445 •	25pcs		
 STONE	C 30-36 RE: for cutting marble, stone, bricks, concrete, etc. Excellent cutting capacity, medium hardness and long durability.					DISC DURABILITY	
	115x2,5x22,23	C 30-36 RE	80 m/s	G1452	50pcs	CUTTING SPEED	
	125x2,5x22,23	C 30-36 RE	80 m/s	G1453	25pcs	CLEAN CUT	
	230x2,5x22,23	C 30-36 RE	80 m/s	G1455 •	25pcs		



TYPE 01

# STANDARD FLAT CUTTING DISCS FOR PORTABLE STRAIGHT GRINDERS



CUTTING

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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**STEEL**

**A 30-36 R:** suitable for cutting iron and steel. Offers a good cutting capacity and long durability. Excellence resistance to stress.

50x4,0x6,35	A 30-36 R	80 m/s	7000636310100	100pcs
50x4,0x8,00	A 30-36 R	80 m/s	G1831	100pcs
75x4,0x6,35	A 30-36 R	80 m/s	7042136310100	100pcs
75x4,0x8,00	A 30-36 R	80 m/s	G1832	100pcs
75x4,0x9,52	A 30-36 R	80 m/s	G1832 9,5	100pcs

**PLUS LINE**



DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



**STAINLESS  
STEEL**

**A 30-36 QX:** for cutting standard stainless steel. Good cutting capacity and medium durability. Especially suitable for light structural works.

50x4,0x6,00	A 30-36 QX	80 m/s	7000636030100	100pcs
50x4,0x8,00	A 30-36 QX	80 m/s	7080636230100	100pcs
50x4,0x9,52	A 30-36 QX	80 m/s	G1811 9,5	100pcs
75x4,0x8,00	A 30-36 QX	80 m/s	7082136230100	100pcs
75x4,0x9,52	A 30-36 QX	80 m/s	G1812 9,5 •	100pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



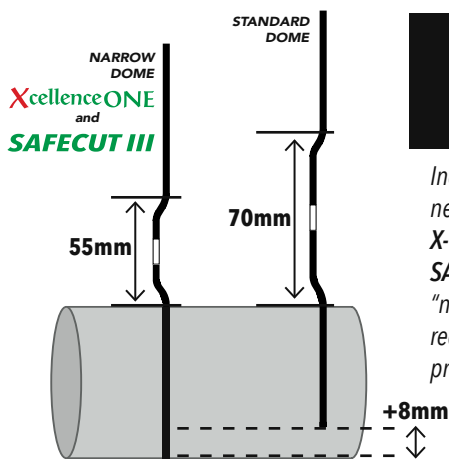


TYPE 42

# DEPRESSED CENTER THIN CUTTING DISCS FOR PORTABLE ANGLE GRINDERS

**SAFECUT III****X-CELLENCE ONE**

GLOBE is proud to present its new **"NARROW DOME"**. This special shape, carefully conceived, of the depressed center minimizes the dimension of the dome to the advantage of the flat part. This allows to carry out more and deeper cuts obtaining the same durability and cutting capacity of a flat disc with the additional advantage of more rigidity and control thanks to the depressed center.

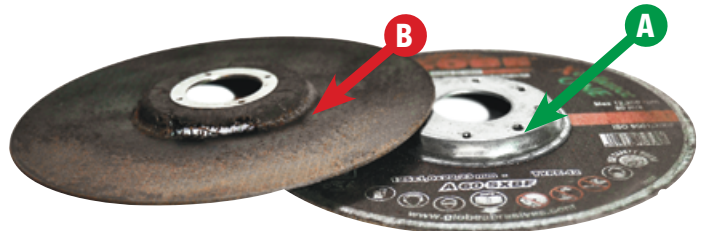


## THE NARROW DOME

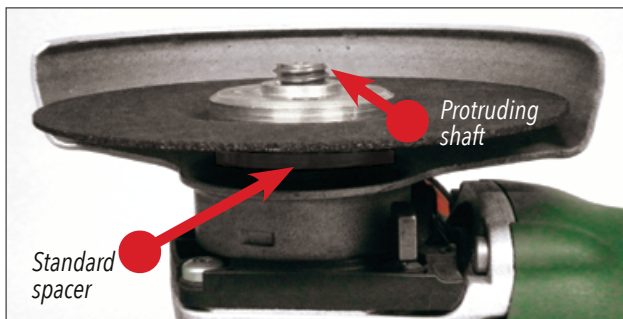
Increased cutting penetration force of the **X-CELLENCE ONE** and **SAFECUT (II and III)** with "narrow dome" compared to a traditional depressed center disc.

## BUILT-IN STEEL PROTECTION FLANGE

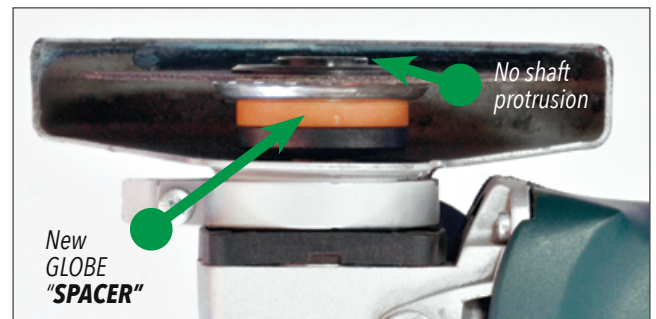
The metal dome **A** of the **X-CELLENCE ONE** and **SAFECUT** discs guarantees more safety, avoids damages to the depressed center **B** and decreases vibrations thus increasing cutting precision and rigidity.



Thanks to the use of the special **"SPACER"** and to the depressed center shape, the machine shaft and the locknut do not stick out from the dome cavity thus enabling the operator to carry out flush cuts in a comfortable position. The depressed center shape gives more rigidity than a flat disc, prevents bending allowing to make perfectly straight cuts.



Shaft protrusion with a standard spacer.



No shaft protrusion thanks to the special higher spacer.

## X-CELLENCE ONE

The ultra-thin **X-CELLENCE ONE** cutting disc is absolutely new in the market of resin-bonded abrasives; the special shape of this disc, called "narrow dome", allows a penetration in cutting never reached before with traditional depressed center discs. The extremely thin thickness (1 mm real) allows to make very thin cuts with the smallest formation of burrs and pitting on stainless steel sheet metals. **X-CELLENCE ONE** is perfect to carry out precise and straight cuts easily thanks to its higher rigidity, in spite of its reduced thickness. Like all GLOBE products, also **X-CELLENCE ONE** complies with the highest safety standards, undergoes daily tests that guarantee a safe and excellent product.

## THE ADVANTAGES OF X-CELLENCE ONE



- Cold, clean cut, without burrs or pittings
- Does not bend or vibrate
- Easy straight and precise cuts
- Highest cutting speed
- Long-life mixture
- Safety also in deep cuts
- Unequalled cutting penetration thanks to the narrow dome
- Very easy handling
- Free from Fe,S,Cl <0,1%, does not contaminate steel



The real 1,00 mm thickness of  
**X-CELLENCE ONE**

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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**STAINLESS  
STEEL AND  
STEEL**

NEW  
NEW

**ZA 60 SX:** the new **X-CELLENCE ONE** cutting disc is free from Fe,S,Cl and for this reason it is perfect to cut **STAINLESS STEEL**.

115x1,0x22,23	X-ONE	ZA 60 SX	80 m/s	G1583 •	25pcs
125x1,0x22,23	X-ONE	ZA 60 SX	80 m/s	G1584 •	25pcs

**PLUS LINE** ♦ ♦ ♦

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



**STONE**

**C 60 S:** the new **THIN CUT** disc conceived to carry out very thin cuts of tile joints. **THIN CUT** cuts the broken tile without damaging the nearby ones. The ultra-thin thickness allows to cut even the narrower tile joints.

NEW

115x1,0x22,23	THIN CUT	C 60 S	80 m/s	G1593	25pcs
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DISC DURABILITY  
CUTTING SPEED



## SAFECUT II and SAFECUT III

**SAFECUT** discs combine in a single disc the cutting depth of the flat disc with the extreme precision of the depressed center (DC) disc. The depressed center shape gives rigidity to the disc, preventing it from bending or vibrating. Furthermore **SAFECUT III** offers in diameters 115 and 125 the innovating depressed center with **narrow dome** (Ø55 mm instead of 70 mm of conventional depressed center discs). This means: increased cutting depth and longer life. The safety guaranteed by GLOBE high standards is further increased by the metal dome that prevents damage of the depressed center and the consequent breakage of the disc that can occur when the surface of the dome rubs against the material being cut.



Flush cut possible thanks to the depressed center shape and the use of the **"SPACER"**.

## THE ADVANTAGES OF SAFECUT II e III

- Straight and net cut
- Does not bend or vibrate
- Extreme precision
- Very high cutting speed
- Long durability
- Safety in deep cuts
- Cutting depth
- Ease of handling and versatility

The **SAFECUT**  
special  
"ribs"



**PATENTED**

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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**STAINLESS  
STEEL AND  
STEEL**

NEW  
NEW

**A 60 SX:** conceived for cutting stainless steel, alloy steel and hard steel. Free from Fe, S and Cl. Fast and cold cut, long durability.

75x1,0x9,52	SafeCut II	A 60 SX	80 m/s	G1547	100pcs
115x1,3x22,23	SafeCut III	A 60 SX	80 m/s	G1542 •	25pcs
125x1,3x22,23	SafeCut III	A 60 SX	80 m/s	G1543 •	25pcs
150x1,6x22,23	SafeCut II	A 60 SX	80 m/s	G1544	50pcs
180x2,0x22,23	SafeCut II	A 60 SX	80 m/s	G1545	50pcs
230x2,0x22,23	SafeCut II	A 60 SX	80 m/s	G1546 •	50pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



**STEEL**

NEW  
NEW

**A 60 S:** suitable for cutting iron and steel. Fast and cold cut, long durability.

75x1,0x9,52	SafeCut II	A 60 S	80 m/s	G1537	100pcs
115x1,3x22,23	SafeCut III	A 60 S	80 m/s	G1532 •	25pcs
125x1,3x22,23	SafeCut III	A 60 S	80 m/s	G1533 •	25pcs
150x1,6x22,23	SafeCut II	A 60 S	80 m/s	G1534	50pcs
180x2,0x22,23	SafeCut II	A 60 S	80 m/s	G1535	50pcs
230x2,0x22,23	SafeCut II	A 60 S	80 m/s	G1536 •	50pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



**ALUMINIUM**

**A 60 QAL:** for cutting aluminium and other soft non-ferrous alloys (copper, brass, etc...).

230x2,0x22,23	SafeCut II	A 60 QAL	80 m/s	G1566 •	50pcs
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DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



• = articles always in stock



TYPE 42

# STANDARD DEPRESSED CENTER CUTTING DISCS FOR PORTABLE MACHINES



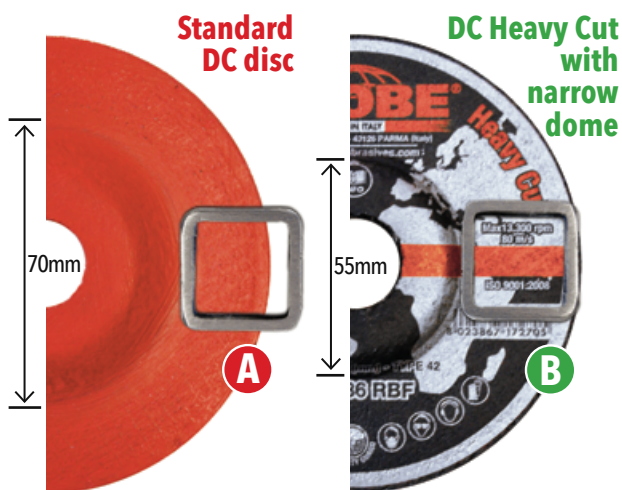
The standard range of depressed center cutting discs for portable machines is perfectly suitable for any type of work thanks to the different thicknesses available and to the introduction of the **"narrow dome"** for diameters 115 and 125 (**HEAVY CUT** discs). Thickness, cutting depth and mixture (type of abrasive, binders, hardness) are fundamental for choosing the right product and are the basis to be able to always supply the best product for the work to carry out.



## NARROW DOME FOR DEEPER CUTS

### THE ADVANTAGES OF HEAVY CUT

- Disc portion usable: +15%
- More durability and more cuts
- More cutting depth (+7,5 mm)
- Perfect for difficult cuts
- High cutting speed
- Less waste, more saving
- Does not bend, does not vibrate



More surface available for cutting (**B**) compared to a standard depressed center disc (**A**) increases cutting penetration. Test made with 30x30x3mm tube.

**HEAVY CUT** (available in the **PLUS** and **DYNAMIC** version) is the innovating range of depressed center cutting discs with **"NARROW DOME"** conceived by GLOBE, available in diameters 115 mm and 125 mm with thicknesses from 2,5 mm up to 3,2 mm.

The idea of a **"NARROW DOME"** (only 55 mm of diameter) revolutionizes the market of this type of discs and gives the operator a definitively more performing tool in terms of cutting depth, number of cuts, durability, less waste and less costs.

GLOBE, always a step ahead in the research, developed a range of depressed center discs with a very small dome; this feature allows to have an increased cutting portion compared to traditional depressed center discs and guarantees a higher cutting speed.

The dome dimension is the minimum necessary to house the clamping flanges of grinders. GLOBE **"HEAVY CUT"** depressed center discs with **"NARROW DOME"** also guarantee excellent stability, precision, rigidity and the possibility of making flush cuts. The **HEAVY CUT** range with **"NARROW DOME"** is made with different mixtures to work on all the main materials. The **INOX** version is free from Fe, Cl, S.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE   

  
**STAINLESS  
STEEL AND  
STEEL**

**A 30-36 Q:** for standard use, suitable for cutting iron and steel. Good cutting capacity, good durability. Usable also on stainless steel.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



	100x3,2x16,00		A 30-36 Q	80 m/s	G1011	50pcs
NEW	115x3,2x22,23 Heavy Cut		A 30-36 Q	80 m/s	G1013 •	50pcs
NEW	125x3,2x22,23 Heavy Cut		A 30-36 Q	80 m/s	G1015 •	50pcs
	150x3,2x22,23		A 30-36 Q	80 m/s	G1016 •	50pcs
	180x3,2x22,23		A 30-36 Q	80 m/s	G1111	50pcs
	180x4,0x22,23		A 30-36 Q	80 m/s	6325136210100	50pcs
	230x3,2x22,23		A 30-36 Q	80 m/s	G1113 •	50pcs
	230x4,0x22,23		A 30-36 Q	80 m/s	6326036210100	25pcs
	230x4,8x22,23		A 30-36 Q	80 m/s	6326039210100	25pcs

  
**STEEL**

**A 30-36 R:** suitable for cutting iron and steel, offers a good cutting capacity and a long durability.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW	115x2,5x22,23 Heavy Cut		A 30-36 R	80 m/s	6323915310100	50pcs
NEW	125x2,5x22,23 Heavy Cut		A 30-36 R	80 m/s	6324215310100	50pcs
	180x2,5x22,23		A 30-36 R	80 m/s	6325115310100	50pcs
	230x2,5x22,23		A 30-36 R	80 m/s	6326015310200	50pcs
NEW	115x3,2x22,23 Heavy Cut		A 30-36 R	80 m/s	G1023 •	50pcs
NEW	125x3,2x22,23 Heavy Cut		A 30-36 R	80 m/s	G1025 •	50pcs
	150x3,2x22,23		A 30-36 R	80 m/s	G1026 •	50pcs
	180x3,2x22,23		A 30-36 R	80 m/s	G1121	50pcs
	180x4,0x22,23		A 30-36 R	80 m/s	6325136310100	50pcs
	230x3,2x22,23		A 30-36 R	80 m/s	G1123 •	50pcs
	230x3,6x22,23		A 30-36 R	80 m/s	G1124	50pcs
	230x4,0x22,23		A 30-36 R	80 m/s	6326036210100	25pcs
	230x4,8x22,23		A 30-36 R	80 m/s	6326039310100	25pcs

  
**STEEL**

**A 30-36 T:** manufactured with special resins and abrasives to obtain excellent cutting capacity, very long durability and excellent resistance to the most heavy stress.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



	230x2,5x22,23		A 30-36 T	80 m/s	G1132	50pcs
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**STAINLESS  
STEEL**

**A 30-36 QX:** for cutting standard stainless steel. Good cutting capacity and good durability. Especially suitable for light structural works.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW	115x3,2x22,23 Heavy Cut		A 30-36 QX	80 m/s	6323924230100 •	50pcs
	230x4,8x22,23		A 30-36 QX	80 m/s	6326039230100	25pcs

  
**STAINLESS  
STEEL**

**Z 30-36 SX:** with alumina zirconia and without sulphur, chlorine and iron (certificate available). It was especially conceived for use on alloy steel and stainless steel. Excellent fast and cold cutting capacity and long durability. Suitable for heavy structural works.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW	115x2,5x22,23 Heavy Cut		Z 30-36 SX	80 m/s	G1032 •	50pcs
NEW	125x2,5x22,23 Heavy Cut		Z 30-36 SX	80 m/s	G1034 •	50pcs
NEW	125x3,2x22,23 Heavy Cut		Z 30-36 SX	80 m/s	G1035	50pcs
	180x2,5x22,23		Z 30-36 SX	80 m/s	G1037	50pcs
	180x3,2x22,23		Z 30-36 SX	80 m/s	G1141	50pcs
	230x2,5x22,23		Z 30-36 SX	80 m/s	G1142 •	50pcs
	230x3,2x22,23		Z 30-36 SX	80 m/s	G1143 •	50pcs
	230x4,0x22,23		Z 30-36 SX	80 m/s	6326036360100	25pcs

CUTTING

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE		
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**A 30-36 QG:** for foundries of cast iron. Medium durability, excellent cutting capacity.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



230x3,2x22,23	A 30-36 QG	80 m/s	G1333	50pcs
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**Z 30-36 RG:** special disc with alumina zirconia. Especially suitable for foundries of special cast iron and alloys. Excellent cutting speed and long durability. Excellent resistance in heavy-duty works such as jagged fins and sharp corners.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



230x3,2x22,23	Z 30-36 RG	80 m/s	6326024320100	50pcs
230x4,0x22,23	Z 30-36 RG	80 m/s	G1344	25pcs
230x4,8x22,23	Z 30-36 RG	80 m/s	6326039120100	25pcs



**A 30-36 QAL:** especially conceived for aluminium and other soft non ferrous metals (bronze, brass...). Fast and lubricated cutting thanks to the special mixture.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW  
NEW

115x3,2x22,23 Heavy Cut	A 30-36 QAL	80 m/s	G1222 •	50pcs
125x3,2x22,23 Heavy Cut	A 30-36 QAL	80 m/s	G1223 •	50pcs
180x3,2x22,23	A 30-36 QAL	80 m/s	G1321	50pcs
230x3,2x22,23	A 30-36 QAL	80 m/s	G1323 •	50pcs



**C 30-36 RE:** standard disc for the building industry. Suitable for marble, stones, bricks, concrete, etc. Excellent cutting capacity, medium hardness and long durability

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW  
NEW

115x3,2x22,23 Heavy Cut	C 30-36 RE	80 m/s	G1212 •	50pcs
125x3,2x22,23 Heavy Cut	C 30-36 RE	80 m/s	G1213 •	50pcs
150x3,2x22,23	C 30-36 RE	80 m/s	G1214	50pcs
180x3,2x22,23	C 30-36 RE	80 m/s	G1311	50pcs
230x3,2x22,23	C 30-36 RE	80 m/s	G1313 •	50pcs



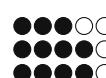
Creation of traces on reinforced concrete.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		DYNAMIC LINE		
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**A 30-36 R:** suitable for cutting iron and steel, combines a good cutting capacity with a long durability.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW  
NEW

115x3,0x22,23 Heavy Cut	A 30-36 R	80 m/s	G1023 DYN •	25pcs
125x3,0x22,23 Heavy Cut	A 30-36 R	80 m/s	G1025 DYN •	25pcs
180x3,0x22,23	A 30-36 R	80 m/s	G1121 DYN	25pcs
230x3,0x22,23	A 30-36 R	80 m/s	G1123 DYN •	25pcs

# FLAT AND DEPRESSED CENTER CUTTING DISCS

Ø > 230mm

CUTTING (Ø>230mm)



TYPE 41

30

**FLAT STANDARD**  
FOR STATIONARY MACHINES



TYPE 41

32

**SECURCUT** and **ALLCUT**  
FOR MACHINES WITH COMBUSTION ENGINE



33

**RAILCUT LINE** FOR RAILWAYS CUTTING  
FOR MACHINES WITH COMBUSTION ENGINE



TYPE 41

34

**CHOPCUT**  
FOR LIGHT STATIONARY MACHINES



TYPE 41

35

**LABCUT**  
FOR CUTTING TEST PIECES WITH LABORATORY MACHINES

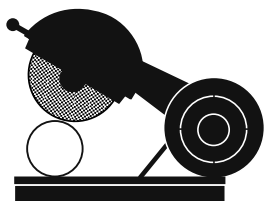


TYPE 42

36

**DEPRESSED CENTER**  
FOR SWING-FRAME OR STATIONARY MACHINES

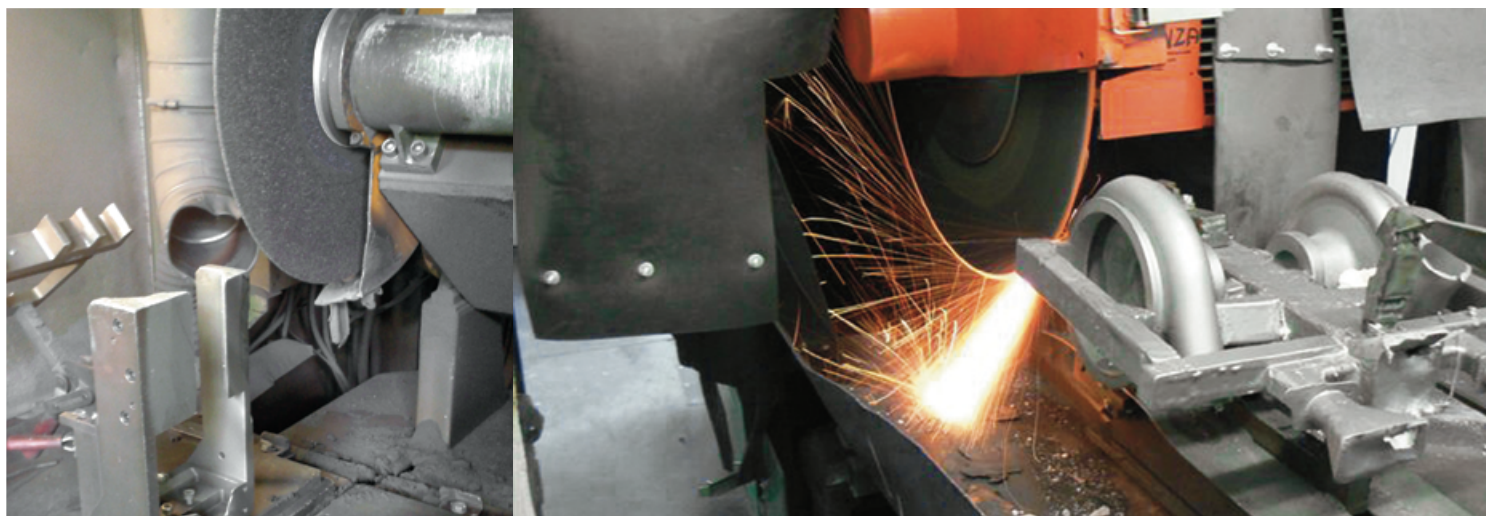




TYPE 41

# STANDARD FLAT CUTTING DISCS (Ø>230mm) FOR STATIONARY MACHINES

CUTTING (Ø>230mm)



GLOBE cutting discs for stationary machines offer a wide range of products for cutting the most different types of materials and are available in diameters from 300 mm up to 800 mm with thicknesses that vary from 3 to 9 mm. Possibility to change the bore size according to customers' needs. Particular care is taken in balancing these discs to obtain a product without vibrations.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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STEEL

**A 30-36 R:** standard use, good cutting capacity and medium durability. Suitable for iron and steel.

300x3,5x20,00	A 30-36 R	100 m/s	G2314 20	25pcs
300x4,0x22,23	A 30-36 R	80 m/s	G2314	25pcs
300x4,0x25,40	A 30-36 R	80 m/s	G2314 25	25pcs
300x4,0x30,00	A 30-36 R	80 m/s	G2314 30 •	25pcs
300x4,0x40,00	A 30-36 R	80 m/s	G2314 40	25pcs
350x4,0x22,23	A 30-36 R	80 m/s	G2315	25pcs
350x4,0x25,40	A 30-36 R	80 m/s	G2315 25	25pcs
350x4,0x30,00	A 30-36 R	80 m/s	G2315 30 •	25pcs
350x4,0x40,00	A 30-36 R	80 m/s	G2315 40	25pcs
400x4,5x25,40	A 30-36 R	80 m/s	G2411 25	10pcs
400x 4,5x32,00	A 30-36 R	80 m/s	G2411 32	10pcs
400x4,5x40,00	A 30-36 R	80 m/s	G2411 40 •	10pcs
500x5,0x25,40	A 30-36 R	80 m/s	G2412 25	10pcs
500x5,0x40,00	A 30-36 R	80 m/s	G2412 40	10pcs
600x6,0x60,00	A 30-36 R	80 m/s	G2413	10pcs
600x 8,0x60,00	A 30-36 R	80 m/s	G2414	10pcs
700x7,0x60,00	A 30-36 R	80 m/s	868795447101	10pcs

PLUS LINE



DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



STEEL

**A 24 S:** high performance, high cutting capacity and long durability. This type of cutting disc is especially suitable for cutting profiles in the building industry and for heavy structural works in general.

300x4,0x22,23	A 24 S	80 m/s	G2324	25pcs
300x4,0x25,40	A 24 S	80 m/s	G2324 25	25pcs
300x4,0x30,00	A 24 S	80 m/s	G2324 30	25pcs
350x4,0x25,40	A 24 S	80 m/s	G2325 25	25pcs
350x4,0x30,00	A 24 S	80 m/s	G2325 30	25pcs
350x4,0x40,00	A 24 S	80 m/s	G2325 40	25pcs
400x4,5x25,40	A 24 S	80 m/s	G2421 25	10pcs
400x4,5x40,00	A 24 S	80 m/s	G2421 40	10pcs
500x5,0x25,40	A 24 S	80 m/s	G2422 25	10pcs
500x5,0x40,00	A 24 S	80 m/s	G2422 40	10pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



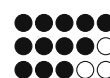
MATERIAL	DIMENSIONS (diam · thick. · bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE   

## STEEL

**AN 36 S:** For cutting steel and alloy steel castings especially in lost-wax casting where the work-piece is fed manually. High stability and accuracy balancing enhance excellent cutting and cooling capacities.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



300x2,5x22,23	AN 36 S	80 m/s	G2332	25pcs
300x2,5x25,40	AN 36 S	80 m/s	G2332 25 T22	25pcs
300x2,5x30,00	AN 36 S	80 m/s	G2332 30 •	25pcs
300x3,0x25,40	AN 36 S	80 m/s	G2333 •	25pcs
300x3,0x30,00	AN 36 S	80 m/s	G2333 30 •	25pcs
350x3,0x25,40	AN 36 S	80 m/s	G2335 25	25pcs

## STEEL

**A 30 T and ZA 24 T:** the particularly hard mixture allows to carry out a very high number of cuts. Especially suitable for cutting light stalks in foundries.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



300x3,0x25,40	A 30 T	80 m/s	G2363	25pcs
350x3,0x25,40	A 30 T	80 m/s	G2365	25pcs
350x3,0x25,40	ZA 24 T	80 m/s	G2366 25	25pcs

## STAINLESS STEEL

**A 30-36 RX:** thanks to the high cutting capacity and cooling, it is suitable for alloy steel. Free from Iron, sulphur and chlorine compounds.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



300x4,0x25,40	A 30-36 RX	80 m/s	G2344 25	25pcs
300x4,0x30,00	A 30-36 RX	80 m/s	G2344 30 •	25pcs
300x4,0x40,00	A 30-36 RX	80 m/s	G2344 40	25pcs
350x4,0x25,40	A 30-36 RX	80 m/s	G2345 25	25pcs
350x4,0x30,00	A 30-36 RX	80 m/s	G2345 30 •	25pcs
350x4,0x40,00	A 30-36 RX	80 m/s	G2345 40	25pcs
400x4,5x25,40	A 30-36 RX	80 m/s	G2431 25	10pcs
400x4,5x40,00	A 30-36 RX	80 m/s	G2431 40	10pcs
500x5,0x25,40	A 30-36 RX	80 m/s	G2432 25	10pcs
500x5,0x40,00	A 30-36 RX	80 m/s	G2432 40	10pcs

## STAINLESS STEEL AND STEEL

**AZ 24S 107:** cutting discs especially conceived for cutting stainless steel and cast-iron stalks and for heavy cuts. Characterized by a very high performance and cutting speed.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



400x4,7x25,40	AZ 24S 107	80 m/s	8527236299100	25pcs
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## STONE

**C 30-36 S:** universal use for cutting of special materials such as building materials, stone, marble, plastic, aluminium and in general all non-ferrous alloys.

DISC DURABILITY  
CUTTING SPEED



300x4,0x22,23	C 30-36 S	80 m/s	G2354	25pcs
300x4,0x20,00	C 30-36 S	80 m/s	G2354 20	25pcs
300x4,0x25,40	C 30-36 S	80 m/s	G2354 25	25pcs
300x4,0x30,00	C 30-36 S	80 m/s	G2354 30	25pcs
300x4,0x40,00	C 30-36 S	80 m/s	G2354 40	25pcs
300x4,0x50,80	C 30-36 S	80 m/s	G2354 50	25pcs
350x4,0x25,40	C 30-36 S	80 m/s	G2355 25	25pcs
350x4,0x40,00	C 30-36 S	80 m/s	G2355 40	25pcs
400x4,5x25,40	C 30-36 S	80 m/s	G2441 25	10pcs
400x4,5x40,00	C 30-36 S	80 m/s	G2441 40	10pcs
500x5,0x25,40	C 30-36 S	80 m/s	G2442 25	10pcs
500x5,0x40,00	C 30-36 S	80 m/s	G2442 40	10pcs
600x5,0x50,00	C 30-36 S	80 m/s	G2442 50	10pcs
600x6,0x60,00	C 30-36 S	80 m/s	G2443	10pcs
600x8,0x60,00	C 30-36 S	80 m/s	G2444	10pcs

## STONE

**C 24 S:** special cutting disc manufactured in diameters from 600 up to 800 mm for cutting beams and prestressed reinforced concrete workpieces. Especially suitable for cutting railway sleepers.

DISC DURABILITY  
CUTTING SPEED



700x8,0x60,00	C 24 S	100 m/s	8687954470102	10pcs
800x9,0x60,00	C 24 S	80 m/s	G2455	10pcs

CUTTING (Ø > 230mm)



TYPE 41

## DISCS FOR PORTABLE GRINDERS

WITH COMBUSTION ENGINE:

- **SECURCUT:** EXTRA REINFORCED DISCS
- **ALLCUT:** FOR GENERAL CUTTING
- **RAILCUT:** FOR CUTTING RAILWAY TRACKS



**REINFORCED FOR 100m/s**

GLOBE cutting range with portable grinders with combustion engine includes the new rail cutting discs **RAILCUT I** and **RAILCUT II (FAST CUT and LONG LIFE)** and discs for general cutting of ferrous metals and special materials (**ALLCUT** line): universal cutting and building materials). These discs, duly reinforced to work at 100 m/sec in maximum safety, are widely used in construction yards: industrial assembly, construction sites, demolitions, road and railway emergency services. Available in different diameters (from 300 to 400 mm) and with different specifications of use.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE
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**STAINLESS  
STEEL AND  
STEEL**

**A 30-36 S (SECURCUT):** EXTRA REINFORCED discs, expressly conceived to meet the needs of full safety for operators of cut-off machines with manual drive of the part (for example cutting of fusion "bunches" in foundries). Besides the high cutting capacity and long durability, they are ultra-resistant to side stress thanks to the fiberglass reinforcements.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW  
NEW

300x4,0x25,40	A 30-36 S	100 m/s	G2223 25	25pcs
350x4,0x25,40	A 30-36 S	100 m/s	G2224 25	25pcs

**STEEL**

**A 30-36 S (ALLCUT):** universal use for any type of cut. Extremely safe and with high cutting capacity, particularly suitable in construction yards (industrial assemblies, demolition of cars, road and railway emergency services, etc.).

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



300x4,0x20,00	A 30-36 S	100 m/s	G2211 20 •	25pcs
300x4,0x22,23	A 30-36 S	100 m/s	G2211 22 •	25pcs
300x4,0x25,40	A 30-36 S	100 m/s	G2211 25 •	25pcs
350x4,0x20,00	A 30-36 S	100 m/s	G2212 20 •	25pcs
350x4,0x22,23	A 30-36 S	100 m/s	G2212 22	25pcs
350x4,0x25,40	A 30-36 S	100 m/s	G2212 25	25pcs

**STONE**

**C 30-36 S (ALLCUT):** universal use for the building industry. Suitable for stones, plastic, aluminum, non-ferrous alloys, etc. to be used in open-air construction yards in maximum safety.

DISC DURABILITY  
CUTTING SPEED



300x4,0x20,00	C 30-36 S	100 m/s	G2221 20	25pcs
300x4,0x22,23	C 30-36 S	100 m/s	G2221 22	25pcs
300x4,0x25,40	C 30-36 S	100 m/s	G2221 25	25pcs
350x4,0x20,00	C 30-36 S	100 m/s	G2222 20	25pcs
350x4,0x25,40	C 30-36 S	100 m/s	G2222 25	25pcs

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		DYNAMIC LINE
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**STAINLESS  
STEEL AND  
STEEL**

**A 30-36 S (ALLCUT):** universal use for any type of cut. Safe and with good cutting capacity, particularly suitable for construction yards.

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



NEW  
NEW  
NEW

300x4,0x32,00	A 30-36 S	100 m/s	G2211 32 DYN	25pcs
350x4,0x25,40	A 30-36 S	100 m/s	G2212 25 DYN	25pcs
350x4,0x32,00	A 30-36 S	100 m/s	G2212 32 DYN	25pcs



CUTTING (Ø>230mm)

**RAILCUT** is the GLOBE range specially designed for professional cutting of railway tracks. RAILCUT cutters allow an extremely fast, straight, precise, balanced and "cold" cut: thanks to these features, RAILCUT cutters passed very rigorous and strict tests of the most important railway companies in the world.

**RAILCUT I** is the standard high quality version: the corundum mixture provides a fast and precise cut, with a moderate wear of the disc.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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 **STEEL**

**A 24 R (RAILCUT I):** cutting wheels designed and reinforced for guided cutting of railway tracks with special machines with combustion engine. Highly balanced wheels with great penetration and cooling power. They allow fast and straight cuts. High-tech and safe tool, allow a highly cost-effective work.

300x4,0x22,23	A 24 R	100 m/s	G2111 22 •	25pcs
300x4,0x25,40	A 24 R	100 m/s	G2111 25	25pcs
350x4,0x25,40	A 24 R	100 m/s	G2112 25	25pcs
400x4,5x25,40	A 24 R	100 m/s	G2113 25	10pcs

**PLUS LINE**



DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



**RAILCUT II** is the new arrival in GLOBE wide product range. Resulting from a further development, from the use of the most advanced and performing raw materials as well as from hundreds of tests performed on site of different types of rail. **RAILCUT II**, the state of the art in this sector, includes 2 lines:

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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 **STEEL**

**A 24 R (RAILCUT II LONG LIFE):** In addition to being fast, it provides a considerable number (the double compared to the best discs on the market) of precise, straight and cold cuts.

<b>NEW</b>	350x4,0x25,40	LONG LIFE	A 24 R	100 m/s	G2114 25 •	25pcs
<b>NEW</b>	400x4,5x25,40	LONG LIFE	A 24 R	100 m/s	G2115 25	10pcs

**PLUS LINE**



DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT



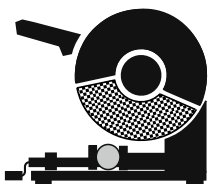
 **STEEL**

**A 24 R (RAILCUT II FAST CUT):** is 30% faster preventing overheating of the metal piece. Cut is perfectly straight and precise. Specifically designed for on-site works (directly on railway line) where precision and speed are extremely important. Also suitable for cutting the hardest and heaviest tracks. Like all GLOBE products, the RAILCUT RANGE discs comply with the highest safety standards (EN12413) and are tested batch by batch according to the OSA regulations to guarantee a safe, reliable and excellent product.

<b>NEW</b>	350x4,0x25,40	FAST CUT	A 24 R	100 m/s	G2116 25 •	25pcs
<b>NEW</b>	400x4,5x25,40	FAST CUT	A 24 R	100 m/s	G2117 25	10pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT





















TYPE 41

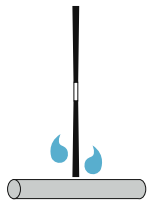
# CHOPCUT FLAT DISCS FOR LIGHT BENCH GRINDERS



**CHOPCUT** cutting discs for light stationary machines allow to cut sections' profiles, tubes and also full sections with diameter up to 30/40 mm. They combine a long durability with an excellent cutting capacity thanks to their low thickness. Particular care is taken in balancing these discs to ensure comfortable cutting operations and a good grinder stability without vibrations.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE   
 <b>STEEL</b>	<b>A 30-36 S (CHOPCUT):</b> for iron and steel. Universal cutting discs, long durability and high cutting speed. Suitable for cutting sections' profiles and medium sized full sections.					DISC DURABILITY  CUTTING SPEED  CLEAN CUT 
	300x2,5x25,40	A 30-36 S	80 m/s	G1911 •	25pcs	
	350x3,0x25,40	A 30-36 S	80 m/s	G1912 •	25pcs	
	400x3,2x25,40	A 30-36 S	80 m/s	G1913	10pcs	
 <b>STAINLESS STEEL</b>	<b>A 30-36 SX (CHOPCUT):</b> for stainless steel, free from iron, sulphur and chlorine compounds (certification available). Long durability and excellent cutting capacity. Suitable for cutting sections' profiles and medium sized full sections.					DISC DURABILITY  CUTTING SPEED  CLEAN CUT 
	300x2,5x25,40	A 30-36 SX	80 m/s	G1911 INOX	25pcs	
	350x3,0x25,40	A 30-36 SX	80 m/s	G1912 INOX	25pcs	
	400x3,2x25,40	A 30-36 SX	80 m/s	G1913 INOX	10pcs	

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		DYNAMIC LINE 
 <b>STEEL</b>	<b>A 30-36 S:</b> universal cutting discs, suitable for cutting thin sections' profiles and full sections.					DISC DURABILITY  CUTTING SPEED  CLEAN CUT 
<b>NEW</b>	300x4,0x25,40	A 30-36 S	80 m/s	G1911 DYN	25pcs	
<b>NEW</b>	350x4,0x25,40	A 30-36 S	80 m/s	G1912 DYN	25pcs	



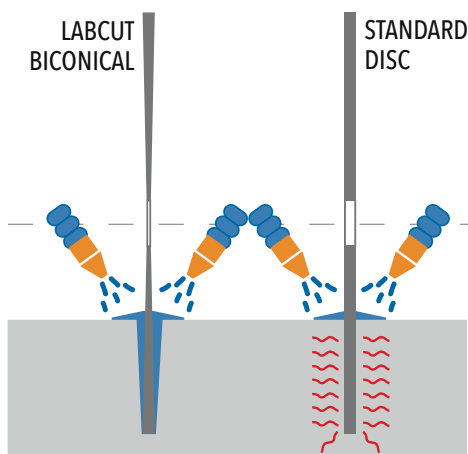
TYPE 41

# LABCUT DISCS FOR CUTTING TEST PIECES WITH FULLY ENCLOSED MACHINES



CUTTING (Ø>230mm)

Built with light reinforcements for cutting test pieces exclusively with enclosed machines, also with coolant. Thanks to their high cutting capacity they do not overheat workpieces and allow a precise, fast and cold cut. Available in diameters 250,300 and 350 mm, their mixture does not contain iron, sulphur and chlorine compounds.



The special bi-conical shape of **LABCUT** wheels helps coolant to penetrate in the cutting area, enhancing cooling and allowing the non-alteration of steel's micro crystalline structure.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE
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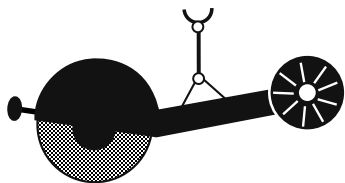


**A 30-36 P (LABCUT):** wheels for cutting alloy steel test pieces, chrome plated, cemented or adjusted bars and for metalographic examination. Suitable also for cutting with coolant. Mixture without iron, sulphur and chlorine (certification available).

250x1,8x32,00	A 30-36 P	63 m/s	G2001	25pcs
300x2,5x32,00	A 30-36 P	63 m/s	G2011	25pcs
350x3,0x32,00	A 30-36 P	63 m/s	G2012	25pcs

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT





TYPE 42

## DEPRESSED CENTER WHEELS FOR STATIONARY OR SWING-FRAME GRINDERS



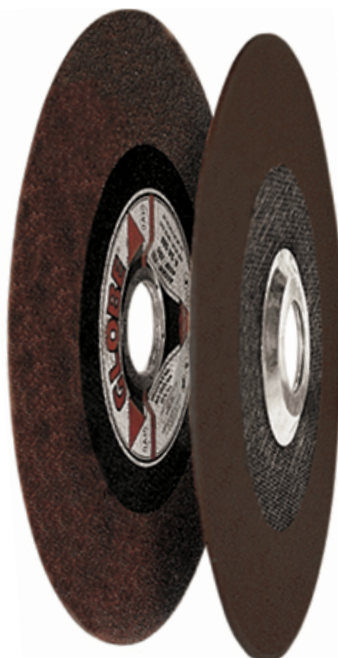
These cutting wheels are largely and effectively used in foundries for cutting ferrous and non-ferrous metals.

The depression in the wheel fully houses the shaft and the locking nut so that operators can cut very close to feedheads, avoiding costly operations to remove thick layers of residual material.




The special depressed center shape also gives more stability and rigidity to the disc.

Its careful balancing prevents disturbing vibrations in the handle bar and significantly improves operator's comfort and disc's performance.

Available in diameters 400, 500 and 600mm with thicknesses from 5 to 7mm.



Depressed center shape allowing to carry out flush cuts.

MATERIAL	DIMENSIONS (diam - thick - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	
 <b>STEEL</b>	<b>A 30-36 R:</b> standard applications, good cutting capacity and average durability. Suitable to be used on iron and steel. The depressed center shape gives high cutting stability and precision.					DISC DURABILITY ●●●●○ CUTTING SPEED ●●●●● CLEAN CUT ●●●●○	
	600x7,0x76,50	A 30-36 R	100 m/s	G2415 CD	10pcs		
 <b>STEEL</b>	<b>A 24 S:</b> high performance, high cutting capacity and long durability. For standard applications, especially suitable to cut building sections and for structural works. For iron and steel.					DISC DURABILITY ●●●●● CUTTING SPEED ●●●●● CLEAN CUT ●●●●○	
	400x5,0x76,50	A 24 S	100 m/s	8727235360100	10pcs		
	500x5,0x76,50	A 24 S	100 m/s	8727545360100	10pcs		
	600x7,0x76,50	A 24 S	100 m/s	G2425 CD	10pcs		
 <b>STONE</b>	<b>C 24 S:</b> special cutting wheel, from diameter 600 up to 800 mm for cutting beams and reinforced concrete workpieces.					DISC DURABILITY ●●●●○ CUTTING SPEED ●●●●● CLEAN CUT ●●●●○	
	500x5,0x76,50	C 24 S	100 m/s	G2442 CD	10pcs		



TYPE 27

38

**COMBI SPEED**

DEPRESSED CENTER WHEELS  
FOR THIN CUTTING AND LIGHT GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



TYPE 27

39

**COMBI EXTRA**

DEPRESSED CENTER WHEELS  
FOR CUTTING AND GRINDING  
(FOR PORTABLE ANGLE GRINDERS)



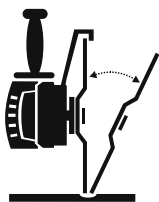
TYPE 42

40

**PIPELINER**

STANDARD DEPRESSED CENTER WHEELS  
FOR CUTTING AND CAULKING  
(FOR PORTABLE ANGLE GRINDERS)





TYPE 27

# DEPRESSED CENTER THIN DISCS FOR **CUTTING AND GRINDING** WITH PORTABLE GRINDERS



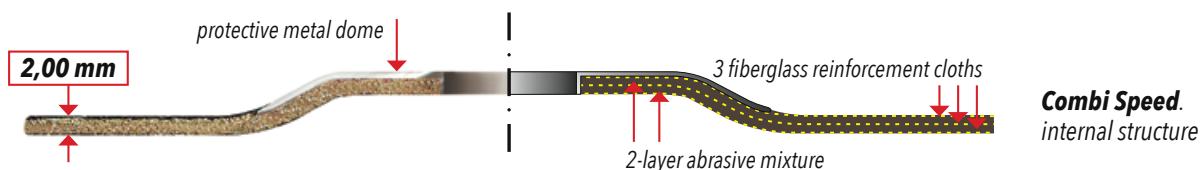
## PATENTED

**COMBI SPEED** was especially conceived by GLOBE for cutting, light grinding and beveling with one single product. COMBI SPEED is the evolution of the COMBI wheel and thanks to the 2,0 mm thickness only and the 2-layer structure with 3 reinforcement cloths, it combines in a single disc an excellent cutting capacity and a high safety during grinding operations. Safety and resistance of COMBI SPEED are constantly internally tested by side-load tests and burst tests.



## THE ADVANTAGES OF COMBI SPEED

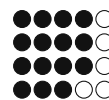
- Possibility to use a single tool for both cutting and grinding
- No downtime or work interruption for replacing the tool
- High cutting speed
- Good quality and precision of cutting operation
- Low generation of burrs while cutting
- Good removal capacity
- Maximum safety during grinding operations
- Maximum work performance
- Long durability

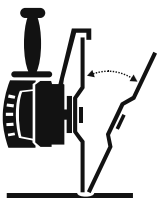


MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
<b>STAINLESS STEEL AND STEEL</b>	<b>A 60 SX:</b> disc with 2 layers, especially designed with 2,0 mm thickness to obtain a product characterized by high cutting capacity (thanks to the low thickness) and high safety in light grinding operations. The wheel is free from iron, sulphur and chlorine compounds and thus suitable for stainless steel.				
	NEW 115x2,0x22,23	A 60 SX	80 m/s	G1039 •	50pcs
	NEW 125x2,0x22,23	A 60 SX	80 m/s	G1041 •	50pcs
	NEW 150x2,0x22,23	A 60 SX	80 m/s	G1042	50pcs

## PLUS LINE

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT  
REMOVAL





TYPE 27

# DEPRESSED CENTER CUTTING DISCS FOR **GRINDING AND CUTTING** WITH PORTABLE GRINDERS

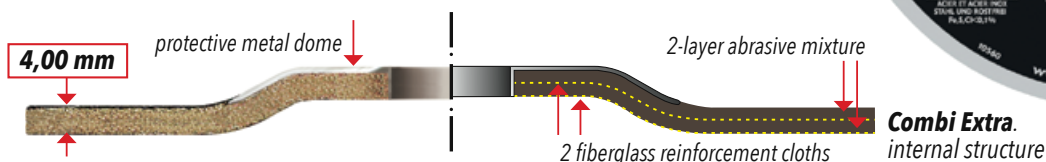
CUTTING/GRINDING



## PATENTED

### COMBI EXTRA

Unlike Combi Speed, thanks to its 4 mm thickness, it is suitable to perform harder cuts but favouring grinding jobs. Very appreciated as grinding wheel in all operations of light structural work instead of traditional (and heavier) 7 mm thick wheels.

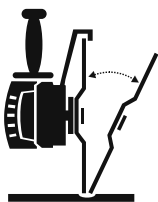


Combi Extra.  
internal structure

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	
<b>STEEL</b>	<b>A 30-36 R:</b> for operations of cutting and light grinding with a single product. Suitable for iron and steel, good cutting capacity and long durability.					DISC DURABILITY CUTTING SPEED CLEAN CUT REMOVAL	
	115x4,0x22,23	A 30-36 R	80 m/s	G1053 •	50pcs		
	125x4,0x22,23	A 30-36 R	80 m/s	G1055 •	50pcs		
	150x4,0x22,23	A 30-36 R	80 m/s	G1056 •	50pcs		
	180x4,0x22,23	A 30-36 R	80 m/s	G1057	50pcs		
	230x4,0x22,23	A 30-36 R	80 m/s	G1058 •	25pcs		

<b>STAINLESS STEEL</b>	<b>A 30-36 RX:</b> for operations of cutting and light grinding with a single product. The mixture free from iron, sulphur and chlorine (certification available), makes the product suitable to be used on stainless steel. Good cutting capacity and durability.					DISC DURABILITY CUTTING SPEED CLEAN CUT REMOVAL	
	115x4,0x22,23	A 30-36 RX	80 m/s	G1043 •	50pcs		
	125x4,0x22,23	A 30-36 RX	80 m/s	G1045 •	50pcs		
	150x4,0x22,23	A 30-36 RX	80 m/s	G1046	50pcs		
	180x4,0x22,23	A 30-36 RX	80 m/s	G1151	50pcs		
	230x4,0x22,23	A 30-36 RX	80 m/s	G1154 •	25pcs		

• = articles always in stock



TYPE 42

# DEPRESSED CENTER DISCS FOR GRINDING AND CUTTING OF PIPELINES WITH PORTABLE GRINDERS



**PIPELINER** is the cutting, grinding and beveling range designed for pipes fitting, notching and welding preparation. These discs are specially conceived and reinforced for grinding joint welds between passes in pipeline construction. Free from iron, sulphur or chlorine (Fe, S, Cl), they do not contaminate stainless steel.

For more than 40 years GLOBE is supplying the OIL & GAS industry with specific abrasive products for general and special applications. GLOBE offers a full range of products for every kind of OIL & GAS applications such as pipelines constructions, onshore and offshore installations, pipe and vessel manufacturing, maintenance and overhauling.

## PIPELINER APPLICATIONS

- All operations of:  
beveling, light grinding, notching, cleaning and preparation of weld beads

## PIPELINER ADVANTAGES

- Outstanding performance in pipeline construction
- Long durability
- High safety standard
- Cost decrease



The OIL&GAS industry is among the most suitable for the use of PIPELINER discs.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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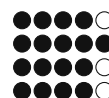
**STAINLESS  
STEEL AND  
STEEL**

Specific mixtures that can be used both on carbon steel and stainless steel. Perfect for PIPELINE operations.

NEW	115x2,5x22,23	A 36 R	80 m/s	G1144 •	50pcs
NEW	125x2,5x22,23	A 36 R	80 m/s	G1145 •	50pcs
NEW	150x3,5x22,23	A 24 R	80 m/s	G1146	50pcs
NEW	178x4,2x22,23	A 20 R	80 m/s	G1147	50pcs

**PLUS LINE** ♦ ♦ ♦

DISC DURABILITY  
CUTTING SPEED  
CLEAN CUT  
REMOVAL





TYPE 27

42

**GRINDING WHEELS WITH DEPRESSED CENTER**

(FOR PORTABLE ANGLE GRINDERS)



TYPE 01

45

**GRINDING FLAT WHEELS**

(FOR PORTABLE STRAIGHT MACHINES)

TYPE 29  
FLEXCELLENCETYPE 29  
TURBOTWISTERTYPE 28  
CONE**DEPRESSED CENTER WHEELS FOR FLAT GRINDING**

46

**FLEXCELLENCE:** MORE THAN A FIBERDISC (PORTABLE ANGLE GRINDERS)

48

**TURBOTWISTER:** SEMI-FLEXIBLE WHEEL (PORTABLE ANGLE GRINDERS)

50

**CONE:** CONICAL WHEEL (PORTABLE ANGLE GRINDERS)

51

**SHAFT-MOUNTED WHEELS**

(FOR PORTABLE STRAIGHT GRINDERS)



52

**GRINDING BENCH WHEELS**

(FOR BENCH GRINDERS)





TYPE 27

# DEPRESSED CENTER WHEELS FOR **HEAVY GRINDING** WITH PORTABLE ANGLE GRINDERS

GRINDING



## GRIND POWER III

**PATENTED**

ANTI-VIBRATION  
INSERT



✓ LESS VIBRATION

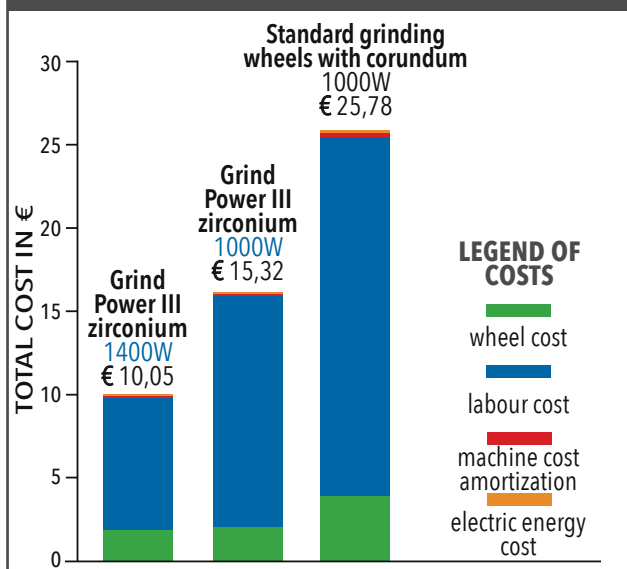
✓ MORE COMFORT

✓ LESS EFFORT



**GRIND POWER III** is the most advanced and unequalled GLOBE technological solution for the professional grinding industry. The highly enriched alumina zirconia mixture of very high quality offers incomparable removal speed and durability, and can compete on equal terms even with the much more expensive ceramic wheels. If used with grinders of suitable power (1400W for Ø 115 a125mm), GRIND POWER III is able to halve working times. Furthermore, the formula free from Fe, S, and Cl makes the product suitable also on stainless steel. The greatest innovation of GRIND POWER III stands in its **special anti-vibration insert** embedded in the wheel (patented technology that reduces vibrations transmitted to grinders and thus to users' hands and arms). In a world where attention to health and reduction of operators' exposure to fatigue, dangerous and damaging vibrations are increasingly important, GLOBE offers a practical tool to improve working conditions by rising up comfort of use to unprecedented levels. Thanks to GRIND POWER III, work becomes faster, more efficient, less tiring, less stressful and therefore more advantageous.

Cost comparison (€) of removal of 1000 g steel C20 between GRIND POWER III and a standard wheel in diameter 125 mm

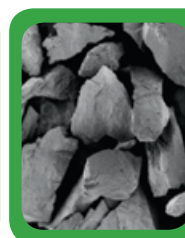


## ADVANTAGES OF GRIND POWER III

- Very high removal capacity (at the level of ceramic grinding wheels) on all materials.
- Reduction of working times (and costs)
- Increased productivity and efficiency
- Reduction of exposure to vibrations and noise.
- Maximum comfort of use
- Less effort
- Free of Fe, S and Cl.
- Can be used on many materials such as iron, steel, stainless steel, alloy steel, cast iron, special alloys, etc.



✓ VIBRATION DAMPING TEST TO THE OPERATOR'S LIMBS



Enriched with zirconium grains

- ✓ ULTRA FAST REMOVAL
- ✓ RESISTANT, DURABLE AND STABLE

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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**STAINLESS  
STEEL AND  
STEEL**

**ZA 24 SX (GRIND POWER III):** grinding of iron and steel. Great removal and long durability. Grinding wheel suitable for heavy works. Excellent comfort of use. It can also be used on stainless steel.

DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY



NEW	115x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0361 •	25pcs
NEW	125x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0362 •	25pcs
NEW	150x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0365	25pcs
NEW	180x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0366	25pcs
NEW	230x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0367 •	25pcs



EXCELLENT  
ABRASIVE  
CAPACITY



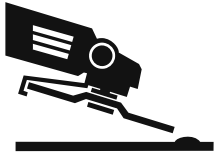
LOW  
VIBRATIONS



COSTS  
REDUCTION



LOW NOISE



TYPE 27

# DEPRESSED CENTER GRINDING WHEELS FOR PORTABLE ANGLE GRINDERS



GRINDING

The wide range of GLOBE grinding wheels offers different levels of hardness and different removal rates in order to provide the operator with the possibility to choose the most suitable type for the work to be carried out. GLOBE wheels are designed respecting strict limits of unbalancing in order to guarantee minimum vibrations during use. The quality characteristics of GLOBE wheels enhance economic efficiency of use in every context, as demonstrated by control and comparative tests carried out in the company laboratories. All the wheels designed for stainless steel have contents of iron, sulphur, and chlorine compounds lower than 0.1%, as shown on the label (certification available). GLOBE offers a large number of different specifications for the materials to be worked. The choice of the right type is fundamental to obtain maximum performance.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	
<b>STAINLESS STEEL AND STEEL</b>	<b>A 24-30-36 Q:</b> grinding of iron and steel, good removal and medium durability. Medium-hard grinding wheel, especially suitable for not very heavy-duty works. Good comfort of use. It can also be used on stainless steel.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	100x6,0x16,00	A 24-30-36 Q	80 m/s	G0111	25pcs		
	115x6,5x22,23	A 24-30-36 Q	80 m/s	G0112 •	25pcs		
	125x6,5x22,23	A 24-30-36 Q	80 m/s	G0113 •	25pcs		
	150x7,0x22,23	A 24-30-36 Q	80 m/s	G0114 •	25pcs		
	180x7,0x22,23	A 24-30-36 Q	80 m/s	G0115 •	25pcs		
	180x8,5x22,23	A 24-30-36 Q	80 m/s	5325155010100	25pcs		
	230x7,0x22,23	A 24-30-36 Q	80 m/s	G0117 •	25pcs		
<b>STEEL</b>	<b>A 24-30-36 R:</b> excellent removal rate and long durability. Suitable for heavy-duty works such as grinding of jagged fins, sharp edges and welding of ferrous metal.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	115x6,5x22,23	A 24-30-36 R	80 m/s	G0122 •	25pcs		
	125x6,5x22,23	A 24-30-36 R	80 m/s	G0123 •	25pcs		
	150x7,0x22,23	A 24-30-36 R	80 m/s	G0124 •	25pcs		
	180x7,0x22,23	A 24-30-36 R	80 m/s	G0125 •	25pcs		
	180x8,5x22,23	A 24-30-36 R	80 m/s	5325155110100	25pcs		
	230x7,0x22,23	A 24-30-36 R	80 m/s	G0127 •	25pcs		
	230x8,0x22,23	A 24-30-36 R	80 m/s	G0128	25pcs		
<b>STEEL</b>	<b>Z 24-30-36 S:</b> grinding wheel containing alumina zirconia. Particularly suitable for heavy-duty works. High removal rate and long life. Suitable for high frequency grinders for special heavy structural works.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	180x8,0x22,23	Z 24-30-36 S	80 m/s	G0136	25pcs		
	230x8,0x22,23	Z 24-30-36 S	80 m/s	5326054140100	25pcs		
<b>CAST IRON</b>	<b>A 24-30-36 OG:</b> medium-soft wheel for standard cast iron. Recommended for grinding dirty castings where high removal is required to avoid that the wheel gets clogged.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	180x7,0x22,23	A 24-30-36 OG	80 m/s	G0211	25pcs		
	230x7,0x22,23	A 24-30-36 OG	80 m/s	G0213	25pcs		

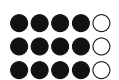
MATERIAL	DIMENSIONS (diam · thick. · bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE    **CAST IRON****Z 24-30-36 RG:** medium-hard grinding wheel for foundry applications. High removal and long durability.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

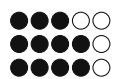
125x6,5x22,23	Z 24-30-36 QG	80 m/s	5324248180100	50pcs
180x7,0x22,23	Z 24-30-36 QG	80 m/s	G0222	25pcs
230x7,0x22,23	Z 24-30-36 QG	80 m/s	G0224	25pcs

 **ALUMINIUM****A 24-30-36 QAL:** grinding of aluminum and other non-ferrous materials (copper, brass ...). The abrasive mixture used, especially lubricating, allows to obtain high removal rates without clogging.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

115x6,5x22,23	A 24-30-36 QAL	80 m/s	G0411 •	25pcs
125x6,5x22,23	A 24-30-36 QAL	80 m/s	G0412 •	25pcs
150x7,0x22,23	A 24-30-36 QAL	80 m/s	G0413	25pcs
180x7,0x22,23	A 24-30-36 QAL	80 m/s	G0414	25pcs
230x7,0x22,23	A 24-30-36 QAL	80 m/s	G0415 •	25pcs

 **STONE****C 24-30-36 QE:** applications in the building industry for grinding stones, marble, terracotta, concrete and other special materials. High cutting capacity, medium durability.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

100x6,0x16,00	C 24-30-36 QE	80 m/s	G0511	25pcs
115x6,5x22,23	C 24-30-36 QE	80 m/s	G0512	25pcs
125x6,5x22,23	C 24-30-36 QE	80 m/s	G0513	25pcs
150x7,0x22,23	C 24-30-36 QE	80 m/s	G0514	25pcs
180x7,0x22,23	C 24-30-36 QE	80 m/s	G0515	25pcs
230x7,0x22,23	C 24-30-36 QE	80 m/s	G0516 •	25pcs

 **STAINLESS STEEL****A 24-30-36 QX:** medium hardness and good removal rate. Ideal also for standard and hard stainless steel castings.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

115x6,5x22,23	A 24-30-36 QX	80 m/s	G0311 •	25pcs
125x6,5x22,23	A 24-30-36 QX	80 m/s	G0312 •	25pcs
150x7,0x22,23	A 24-30-36 QX	80 m/s	G0313	25pcs
180x7,0x22,23	A 24-30-36 QX	80 m/s	G0314	25pcs
230x7,0x22,23	A 24-30-36 QX	80 m/s	G0315 •	25pcs

 **STAINLESS STEEL****A 24-30-36 RX:** excellent removal rate and good resistance. Also suitable for food processing applications.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

115x6,5x22,23	A 24-30-36 RX	80 m/s	G0321 •	25pcs
125x6,5x22,23	A 24-30-36 RX	80 m/s	G0322 •	25pcs
180x7,0x22,23	A 24-30-36 RX	80 m/s	G0324	25pcs
230x7,0x22,23	A 24-30-36 RX	80 m/s	G0325 •	25pcs

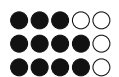
 **STAINLESS STEEL****Z 24-30-36 SX:** wheel containing alumina zirconia, suitable for very heavy-duty works in heavy structural works. High removal rate and long durability. Suitable for high frequency grinders.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

180x7,0x22,23	Z 24-30-36 SX	80 m/s	G0334	25pcs
230x7,0x22,23	Z 24-30-36 SX	80 m/s	5326051201100	25pcs

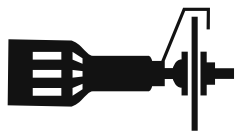
 **STAINLESS STEEL****Z 24-30-36 QX:** wheel containing alumina zirconia, suitable for very heavy-duty works in heavy structural works. High removal rate and long durability. To be used with high frequency grinders.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

230x7,0x22,23	Z 24-30-36 QX	80 m/s	G0315 HF	25pcs
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MATERIAL	DIMENSIONS (diam · thick. · bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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DYNAMIC LINE  **STAINLESS STEEL AND STEEL****A 24-30-36 R:** good removal rate and long durability. Suitable for grinding of jagged fins, sharp edges and welding of ferrous metals.DISC DURABILITY  
REMOVAL CAPACITY  
REMOVAL ACCURACY

<b>NEW</b>	115x6,0x 22,23	A 24-30-36 R	80 m/s	G0122 DYN •	25pcs
<b>NEW</b>	125x6,0x22,23	A 24-30-36 R	80 m/s	G0123 DYN •	25pcs
<b>NEW</b>	180x6,5x22,23	A 24-30-36 R	80 m/s	G0324 DYN •	25pcs
<b>NEW</b>	230x6,5x22,23	A 24-30-36 R	80 m/s	G0325 DYN •	25pcs



TYPE 01

# FLAT WHEELS FOR FRONT GRINDING WITH PORTABLE STRAIGHT GRINDERS



These wheels are used on portable straight grinders for internal grinding of workpieces, such as internal lapping of pipes in the petrochemical industry.









Great care is taken in balancing these wheels to prevent vibrations and to ensure maximum control by the operator.

These wheels are manufactured with specifications for use at 45 m/s (without reinforcements) and for use at 60 and 80 m/s (reinforced).

Thanks to the special mixture, a high removal rate is achieved without overheating the workpiece.



20mm  
thickness of  
Type 01

MATERIAL	DIMENSIONS (diam. • thick. • bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	
 <b>STAINLESS STEEL AND STEEL</b>	<b>A 30 36 Q:</b> standard uses, suitable for iron and steel. Good removal rate and medium durability. It can also be used on stainless steel.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	100x20x20,00	A 30 36 Q	45 m/s	G1825	50pcs		
	100x20x20,00	A 30 36 Q	80 m/s	G1825 80	50pcs		
 <b>STAINLESS STEEL</b>	<b>A 30 36 QX:</b> for use on alloy steel and stainless steel (free from iron, sulphur and chlorine compounds). High removal rate, cold cutting and medium hardness.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	50x12x8,00	A 30 36 QX	45m/s	9010501280100	100pcs		
	75x8x8,00	A 30 36 QX	80m/s	7082154310101	100pcs		
	100x20x20,00	A 30 36 QX	45m/s	G1815 •	50pcs		
	100x20x20,00	A 30 36 QX	60m/s	9000005045700 •	50pcs		
	100x20x20,00	A 30 36 QX	80m/s	G1815 80	50pcs		
 <b>STAINLESS STEEL</b>	<b>A 60 QX:</b> for use on alloy steel and stainless steel.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	100x20x20,00	A 60 QX	60 m/s	9000005045410	50pcs		
 <b>STAINLESS STEEL</b>	<b>A 30 36 RX:</b> for use on alloy steel and with higher hardness than A60QX.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY	
	100x20x20,00	A 30 36 RX	60 m/s	G1820 60	50pcs		
	125x25x20,00	A 30 36 RX	60 m/s	G1840 60	50pcs		



TYPE 29

# DEPRESSED CENTER FLEXIBLE WHEELS FOR PRECISION GRINDING WITH PORTABLE ANGLE GRINDERS



**FLEXCELLENCE** is the innovative semiflexible depressed center fiberdisc with built-in backing pad designed by GLOBE for a more **PRECISE**, **FASTER** and **COMFORTABLE** grinding of: welding seams, sharp edges, flat and curved surfaces (convex and concave) and removal of imperfections.

To get the best from **FLEXCELLENCE**, every package contains a thick flange (**SPACER**) specifically designed to position the wheel closer to the grinder safety guard profile allowing also flat grinding.

For even more professional users GLOBE supplies a special **STEEL FLANGE SET** that fits to all the grinders existing on the market and optimize the disc positioning.

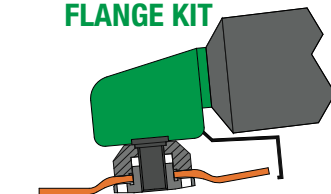


Assembly of  
**FLEXCELLENCE**  
with plastic **SPACER**



Assembly of  
**FLEXCELLENCE**  
with special **STEEL**  
**FLANGE SET**

## ASSEMBLY WITH FLUSH MOUNTING FLANGE KIT



- 1) Angle 10/15°
- 2) Quick assembly
- 3) Smoothing sharp edges
- 4) Grinding of convex surfaces
- 5) Grinding of concave surfaces
- 6) Removal of imperfections
- 7) Perfect smoothing of welds





**PRECISION:** the calibrated flexibility of FLEXCELLENCE allows extremely precise works compared to standard grinding wheels and allows to work exactly where needed, without affecting the surrounding areas.

**SPEED:** the formulation of ceramic abrasive grains and special cooling fillers allow an extremely quick material removal without overheating and pitting of the workpiece.

**EASY ASSEMBLY:** thanks to the built-in support which eliminates the inconvenience of the traditional backing pad, FLEXCELLENCE is quickly installed like a standard grinding wheel or flap disc.

**COMFORT:** FLEXCELLENCE is best used with an angle of 10-15° and with its special installation kit, while the special internal shock-absorbing element reduces vibrations and noise and makes the work less tiring.

## THE ADVANTAGES OF FLEXCELLENCE

- Working precision
- Reduction of working times
- Quick and easy assembly
- Time and energy saving
- Less vibration and less noise
- Greater comfort of use

MATERIAL	DIMENSIONS (diam - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE



### STAINLESS STEEL AND STEEL

SG: suitable for iron, steel, and stainless steel: Fe, Cl, S <0.1%.

NEW	115x22,23	Flexcellence	SG 36	80 m/s	G3333 •	25pcs
NEW	115x22,23	Flexcellence	SG 60	80 m/s	G3336 •	25pcs
NEW	115x22,23	Flexcellence	SG 80	80 m/s	G3337 •	25pcs
NEW	115x22,23	Flexcellence	SG 120	80 m/s	G3339 •	25pcs

NEW	125x22,23	Flexcellence	SG 36	80 m/s	G3353 •	25pcs
NEW	125x22,23	Flexcellence	SG 60	80 m/s	G3356 •	25pcs
NEW	125x22,23	Flexcellence	SG 80	80 m/s	G3357 •	25pcs
NEW	125x22,23	Flexcellence	SG 120	80 m/s	G3359 •	25pcs

NEW	180x22,23	Flexcellence	SG 36	80 m/s	G3373 •	25pcs
NEW	180x22,23	Flexcellence	SG 60	80 m/s	G3374 •	25pcs
NEW	180x22,23	Flexcellence	SG 80	80 m/s	G3375 •	25pcs
NEW	180x22,23	Flexcellence	SG 120	80 m/s	G3376 •	25pcs



EXCELLENT  
ABRASIVE  
CAPACITY



LOW  
VIBRATIONS



COST  
REDUCTION



LOW NOISE

• = articles always in stock

10°±15°



TYPE 29



# SEMI-FLEXIBLE GRINDING WHEELS WITH PORTABLE ANGLE GRINDERS



## New TURBOTWISTER

**TURBOTWISTER** is the semi-flexible wheel, covered by patent, characterized by a working surface with rhomboidal grooves that increase removal rate and create a cooling effect thanks to air circulation through the grooves. The specification for metal, free from iron, sulphur and chlorine compounds, is also suitable for stainless steel. The large contact area guarantees an excellent planarity of the surface treated.



### PATENTED

The special surface covered by raised grooves, guarantees greater power on all metals.

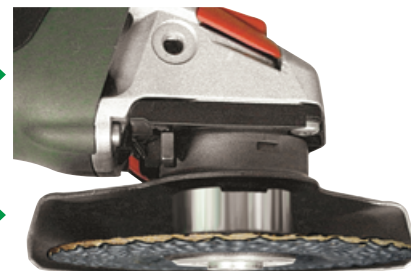
The patented spiral grooves of the grinding surface create a very effective air circulation which cools metal and prevents overheating. The 3 mm deep pyramidal grooves give high and constant removal speed on all materials

### THE SPECIAL THICK BACK FLANGES DESIGNED BY GLOBE

They allow (in the respect of all the safety regulations) a more comfortable and precise grinding work, besides improving the disc performance.



The 2 different SPACERS by GLOBE



Flush mounting with the special GLOBE flanges

## APPLICATIONS OF TURBOTWISTER

- Fast removal of welding burrs
- Grinding of flat, concave and convex surfaces
- Finishing of castings of any shape
- Grinding of stainless steel without overheating
- Works where a standard abrasive wheel would cause deep incisions
- Removal of welding drops and joints without damaging the surrounding metal

## THE ADVANTAGES TURBOTWISTER

- Two operations (grinding and finishing) in a single pass
- Flexibility
- Fast removal
- Excellent finishing
- More comfort
- Less noise

MATERIAL	DIMENSIONS (diam - thick - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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**STAINLESS  
STEEL AND  
STEEL**

**A 24 Q:** perfect for ferrous and non-ferrous metal working and where a high removal rate is needed, without clogging of the wheel.

115x22,23	Turbotwister HP	A 24 Q	80 m/s	G0811	25pcs
125x22,23	Turbotwister HP	A 24 Q	80 m/s	G0812	25pcs
150x22,23	Turbotwister HP	A 24 Q	80 m/s	G0813	25pcs
180x22,23	Turbotwister HP	A 24 Q	80 m/s	G0814	25pcs

PLUS LINE

MATERIAL	DIMENSIONS (diam. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE   

## STAINLESS STEEL AND STEEL

**A 36 Q:** for grinding steel and stainless steel. Excellent removal rate, medium degree of finishing and excellent durability.

75x9,52	Turbotwister HP	A 36 Q	80 m/s	G0825	100pcs
115x22,23	Turbotwister HP	A 36 Q	80 m/s	G0821 •	25pcs
125x22,23	Turbotwister HP	A 36 Q	80 m/s	G0822 •	25pcs
150x22,23	Turbotwister HP	A 36 Q	80 m/s	G0823	25pcs
180x22,23	Turbotwister HP	A 36 Q	80 m/s	G0824 •	25pcs

## STAINLESS STEEL AND STEEL

**A 60 Q:** good degree of finishing and medium removal rate.

75x9,52	Turbotwister HP	A 60 Q	80 m/s	G0835	100pcs
115x22,23	Turbotwister HP	A 60 Q	80 m/s	G0831 •	25pcs
125x22,23	Turbotwister HP	A 60 Q	80 m/s	G0832 •	25pcs
150x22,23	Turbotwister HP	A 60 Q	80 m/s	G0833	25pcs
180x22,23	Turbotwister HP	A 60 Q	80 m/s	G0834 •	25pcs

## STAINLESS STEEL AND STEEL

**A 100 Q:** Excellent degree of finishing and moderate removal rate. Long durability, ideal for all types of steel.

115x22,23	Turbotwister HP	A 100 Q	80 m/s	G0841	25pcs
125x22,23	Turbotwister HP	A 100 Q	80 m/s	G0842	25pcs
150x22,23	Turbotwister HP	A 100 Q	80 m/s	G0843	25pcs
180x22,23	Turbotwister HP	A 100 Q	80 m/s	G0844	25pcs

## ALUMINIUM

**A 36 QAL:** grinding of aluminum and other soft non-ferrous metals (copper, brass...). The abrasive mixture used, especially lubricated, allows high removal rates throughout the whole life of the wheel without clogging.

115x22,23	Turbotwister HP	A 36 QAL	80 m/s	G0871 •	25pcs
125x22,23	Turbotwister HP	A 36 QAL	80 m/s	G0872 •	25pcs
180x22,23	Turbotwister HP	A 36 QAL	80 m/s	G0874 •	25pcs

## STONE

**C 24 Q:** especially suitable for working clogging material (such as fiber-glass). High removal rate and medium durability.

NEW	115x22,23	Turbotwister HP	C 24 Q	80 m/s	G0911	25pcs
NEW	125x22,23	Turbotwister HP	C 24 Q	80 m/s	G0912	25pcs
NEW	150x22,23	Turbotwister HP	C 24 Q	80 m/s	G0913	25pcs
NEW	180x22,23	Turbotwister HP	C 24 Q	80 m/s	G0914	25pcs

## STONE

**C 36 Q:** especially suitable for the building industry to grind stone, marble, terracotta, concrete, etc. High removal rate and good durability.

115x22,23	Turbotwister HP	C 36 Q	80 m/s	G0921	25pcs
125x22,23	Turbotwister HP	C 36 Q	80 m/s	G0922	25pcs
150x22,23	Turbotwister HP	C 36 Q	80 m/s	G0923	25pcs
180x22,23	Turbotwister HP	C 36 Q	80 m/s	G0924	25pcs

## STONE

**C 60 Q:** Q especially suitable for stone, marble, granite. Good finishing, good removal rate, long durability.

115x22,23	Turbotwister HP	C 60 Q	80 m/s	G0931	25pcs
125x22,23	Turbotwister HP	C 60 Q	80 m/s	G0932	25pcs
150x22,23	Turbotwister HP	C 60 Q	80 m/s	G0933	25pcs
180x22,23	Turbotwister HP	C 60 Q	80 m/s	G0934	25pcs

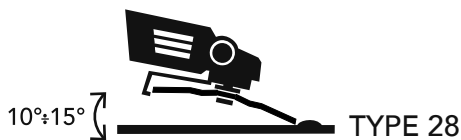
## STONE

**C 100 Q:** suitable for stone, marble and granite. Excellent finishing, medium removal rate and long durability.

115x22,23	Turbotwister HP	C 100 Q	80 m/s	G0941	25pcs
125x22,23	Turbotwister HP	C 100 Q	80 m/s	G0942	25pcs
150x22,23	Turbotwister HP	C 100 Q	80 m/s	G0943	25pcs
180x22,23	Turbotwister HP	C 100 Q	80 m/s	G0944	25pcs



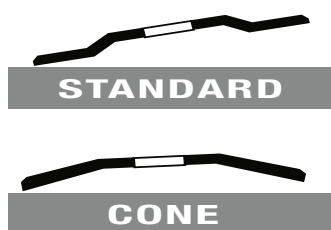
For the building industry, concrete, granite, marble, natural and artificial stones.



# CONICAL WHEELS FOR FLAT GRINDING WITH PORTABLE ANGLE GRINDERS



Grinding of weld beads on leveled surfaces requires working in a horizontal position. With standard "Type 27" wheels, performance is not the best as you are forced to work with an angle of at least 15° to the work surface. On the other hand, with "Type 28" **CONE** grinding wheels, it is possible to work in horizontal position, as they are built with a natural angle of 15° allowing flat grinding, without compromising its use also in standard grinding operations. The contact area of conical grinding wheels is much wider than that obtained with a standard "Type 27" grinding wheel and this results in a perfect planarity.



Difference of the angle used between a standard depressed center wheel and a CONE wheel.

## ADVANTAGES OF CONE

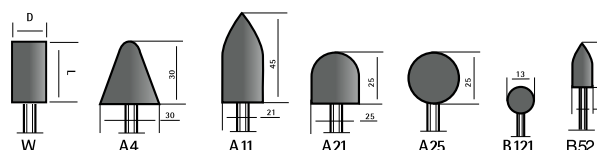
- Possibility to use the grinder in horizontal position
- More comfort for users
- Perfect planarity of the grinded surface
- High performance
- Long durability
- Available for steel, stainless steel and for cast iron on demand.



MATERIAL	DIMENSIONS (diam. - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	
<b>STAINLESS STEEL AND STEEL</b>	<b>A 24-30-36 Q:</b> grinding of iron and steel, for standard applications. Medium hardness, good removal rate, medium durability. Suitable for not too heavy duty works. Comfort of use. It can also be used on stainless steel.					DISC DURABILITY	●●●●○
						REMOVAL CAPACITY	●●●●○
						REMOVAL ACCURACY	●●●●○
	115x6,5x22,23	CONE	A 24-30-36 Q	80 m/s	G0641 •	25pcs	
	125x6,5x22,23	CONE	A 24-30-36 Q	80 m/s	G0651 •	25pcs	
<b>STEEL</b>	180x8,0x22,23	CONE	A 24-30-36 Q	80 m/s	G0711	25pcs	
	230x8,0x22,23	CONE	A 24-30-36 Q	80 m/s	G0712 •	25pcs	
	<b>A 24-30-36 R:</b> high removal rate and long durability. Ideal for heavy duty works such as grinding of weldings, jagged fins and sharp edges.					DISC DURABILITY	●●●●●
						REMOVAL CAPACITY	●●●●○
						REMOVAL ACCURACY	●●●●○
<b>STEEL</b>	115x6,5x22,23	CONE	A 24-30-36 R	80 m/s	G0643	25pcs	
	125x6,5x22,23	CONE	A 24-30-36 R	80 m/s	G0653	25pcs	
	180x8,0x22,23	CONE	A 24-30-36 R	80 m/s	G0721	25pcs	
	230x8,0x22,23	CONE	A 24-30-36 R	80 m/s	G0722	25pcs	
<b>CAST IRON</b>	<b>Z 24-30-36 S (ON DEMAND)</b> wheel containing alumina zirconia, suitable for extremely heavy duty works. High removal rate and long durability, for use with high frequency grinders in heavy structural work.						
	<b>Z 24-30-36 RG: (ON DEMAND)</b> wheel containing alumina zirconia, high removal rate and long durability. Especially suitable for grinding hard cast iron, jagged fins and sharp edges.						



# CERAMIC BONDED SHAFT-MOUNTED WHEELS FOR **PORTABLE STRAIGHT GRINDERS**



MATERIAL	SHAPE	DIMENSIONS (D X L X S) mm	HARDNESS	ARTICLE CODE	
<b>STAINLESS STEEL AND STEEL</b>	W	10x30x6	30 Q	G3711-INOX	100pcs
	W	15x20x6	30 Q	G3721-INOX	100pcs
	W	20x20x6	30 Q	G3731-INOX	100pcs
	W	20x25x6	30 Q	G3741-INOX	100pcs
	W	20x30x6	30 Q	G3751-INOX	100pcs
	W	25x25x6	30 Q	G3761-INOX	100pcs
	W	30x10x6	30 Q	G3811-INOX	100pcs
	W	30x20x6	30 Q	G3821-INOX	100pcs
	W	30x30x6	30 Q	G3831-INOX	100pcs
	W	40x20x6	30 Q	9030400206061	100pcs
	W	40x30x6	30 Q	G3851-INOX	100pcs
	A4	30x30x6	30 Q	G3911-INOX	100pcs
	A11	21x45x6	30 Q	G3921-INOX	100pcs
	A21	25x25x6	30 Q	G3931-INOX	100pcs
	B52	10x20x6	60 Q	G3961-INOX	100pcs
<b>STEEL</b>	W	10x30x6	60 P	G3711 •	100pcs
	W	15x20x6	60 P	G3721 •	100pcs
	W	20x20x6	46 P	G3731 •	100pcs
	W	20x25x6	46 P	G3741 •	100pcs
	W	20x30x6	46 P	G3751 •	100pcs
	W	25x25x6	46 P	G3761 •	100pcs
	W	30x10x6	46 P	G3811 •	100pcs
	W	30x20x6	46 P	G3821 •	100pcs
	W	30x30x6	46 P	G3831 •	100pcs
	W	35x35x6	46 P	G3841 •	100pcs
	W	40x20x6	46 P	9030400206060	100pcs
	W	40x30x6	46 P	G3851 •	100pcs
	W	40x40x6	46 P	G3861 •	100pcs
	A4	30x30x6	46 P	G3911 •	100pcs
	A11	21x45x6	46 P	G3921 •	100pcs
	A21	25x25x6	46 P	G3931 •	100pcs
	A25	25x25x6	46 P	G3941 •	100pcs
	B121	13x13x6	46 P	G3951 •	100pcs
	B52	10x10x6	60 P	G3961 •	100pcs
<b>CAST IRON</b>	W	40x20x6	24-30 Q	9030400206083	100pcs
	W	40x20x6	24-30 S	9030400206085	100pcs
	W	50x10x6	24-30 Q	9030500106083	100pcs

GLOBE shaft-mounted wheels are suitable for grinding and finishing operations. The different specifications can be distinguished by the color:



**BLACK** | **STAINLESS STEEL**



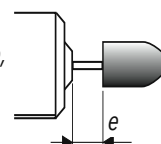
**PINK** | **STEEL**

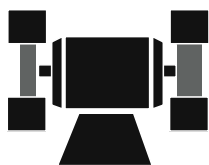


**GREY-PINK** | **CAST IRON**

**ON DEMAND:**  
shaft mounted wheels can be manufactured with 8 mm shaft or threaded shaft with 30% price increase. Available in different shapes.


**NOTES FOR USE:**  
for a better performance, keep the projecting "e" distance in the grinder, as small as possible.





## BENCH WHEELS FOR BENCH GRINDERS




ABRASIVE	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	ARTICLE CODE	
 <b>CORUNDUM:</b> with 96% aluminum oxide content.	150x20x32	A 36	G4732 •	1pc
	150x20x32	A 46	G4733 •	1pc
	150x20x32	A 60	G4734 •	1pc
	200x20x32	A 36	G4752 •	1pc
	200x20x32	A 46	G4753 •	1pc
	200x20x32	A 60	G4754 •	1pc
	200x25x32	A 36	G4772 •	1pc
	200x25x32	A 46	G4773 •	1pc
	200x25x32	A 60	G4774 •	1pc

GLOBE bench wheels are specifically designed for removal of welding burrs, grinding, shaping and sharpening tools. GLOBE offers a wide range of sizes and specifications to fit all customers' needs. Depending on the abrasive mixture, GLOBE bench wheels are in 3 different colors, each identifying a specific use.

**Hardness:** medium.

**Use:** for general purpose grinding operations (tools sharpening) and light stock removal. It can be used on ferrous metals (carbon steel, stainless steel, etc.).

**Available grits:** from gr 24 (roughing operations) to gr 120 (sharpening and finishing).

ABRASIVE	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	ARTICLE CODE	
 <b>WHITE CORUNDUM:</b> with 99,5% aluminum oxide content.	150x20x32	A 60	G4735 •	1pc
	200x20x32	A 60	G4755 •	1pc
	200x25x32	A 60	G4775 •	1pc




Bore adapter from 32 mm to 16/20 mm.

**Hardness:** medium soft.

**Use:** particularly suitable for grinding and sharpening of high speed steel tools (HSS) and other metals. Thanks to this abrasive mixture, the maximum stock removal and grinding speed can be reached without overheating the work piece.

**Available grits:** from gr 46 (roughing operations), to gr 80 (sharpening).



ABRASIVE	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	ARTICLE CODE	
 <b>GREEN SILICON CARBIDE:</b>	150x20x32	C 80	G4736 •	1pc
	200x20x32	C 80	G4756 •	1pc
	200x25x32	C 80	G4776 •	1pc

**Hardness:** hard.

**Use:** ideal to work on hard steel tools (widia). Thanks to its extremely hard and sharp grain a very fast and burr-free grinding can be achieved.

**Available grits:** from gr 60 to gr 120.



Tools sharpening, metals cleaning...



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## **FIBERGLASS BACKING PAD (FLAT AND CONICAL)**

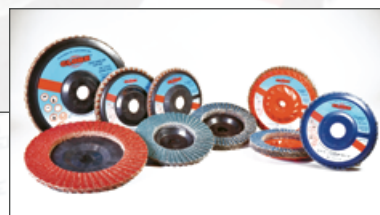
HT - High Thickness (FOR PORTABLE ANGLE GRINDERS)  
STANDARD (FOR PORTABLE ANGLE GRINDERS)  
BASIC (FOR PORTABLE ANGLE GRINDERS)

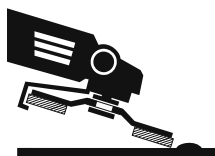


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## **PLASTIC BACKING PAD (FLAT)**

HT - High Thickness (FOR PORTABLE ANGLE GRINDERS)  
STANDARD (FOR PORTABLE ANGLE GRINDERS)  
BASIC (FOR PORTABLE ANGLE GRINDERS)





# FLAPS' SHAPES OF GLOBE FLAP DISCS



GLOBE offers a wide range of abrasive flap discs manufactured and tested in compliance with the European regulations according to the maximum safety levels (EN13743) of the product. The high quality abrasive cloths assures a regular consumption and excellent grain renewal and cutting.

Flaps are carefully positioned to get perfect roundness and balancing for a precise and comfortable work without vibrations and overheating.

For special applications, discs with reduced diameter backing pads are available on demand. In these discs the prominent part of flaps is greater to give more elasticity and softness.

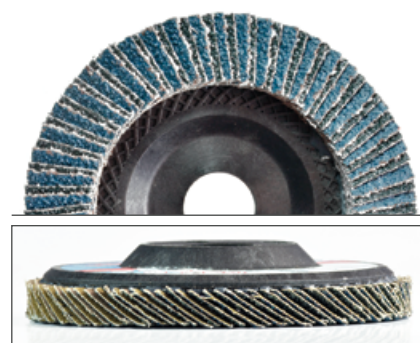
Cloth mounting can be made in 3 different ways:

- **HT (High Thickness)**
- **STANDARD**
- **BASIC**

## HT (HIGH THICKNESS)

In this mounting shape, flaps are narrower but in bigger number, giving the disc a higher, more compact and narrower abrasive crown cloth with more inclined flaps, bringing the following advantages:

- regular and full consumption of abrasive cloth (in standard discs 1/3 of the cloth is left unused) minimizing the waste of abrasive;
- increased removal speed thanks to the greater concentration of cloth on the outer part of the disc where speed is higher;
- constant removal capacity from the beginning to the end of the disc thanks to the special mounting layout of the flaps that, being in bigger number, are more inclined than those of standard discs, giving better and constant renewal of abrasive grains. The higher quality of the cloth assures top level performances in durability and removal speed. It is recommended to use with powerful grinders (at least 1000 Watts) to maximize performances.

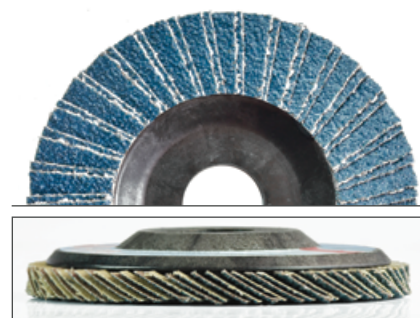


## STANDARD

Flaps are larger and in a lower number than the HT version. This mounting shape, less aggressive, is more suitable to work on the edges and on more "delicate" materials.

Suitable also for less powerful grinders.

Discs with this mounting shape have alternate flaps of different hardness to get more efficient and constant renewal of abrasive grains even if flaps are less inclined.

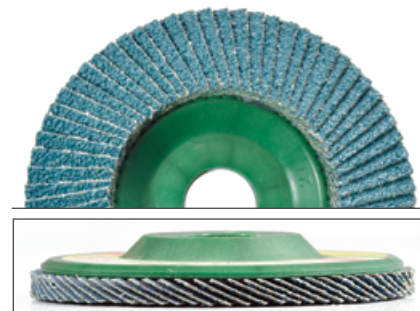


## BASIC

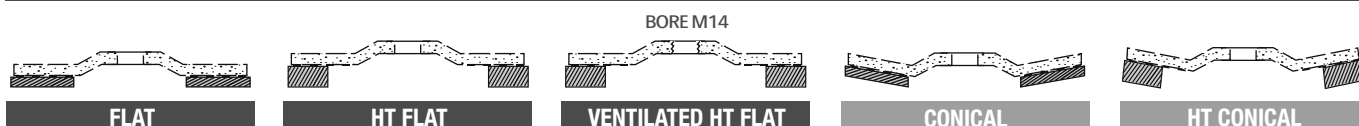
The BASIC range is the GLOBE ENTRY LEVEL line.

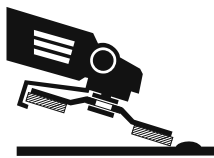
It keeps a good quality level with high removal capacity and good lifetime at a lower price level. Especially conceived for the large-scale retail trade. The cloth used is softer than the HT and STANDARD versions, allowing a constant change of the abrasive grains.

Also suitable for less powerful grinders.



## MOUNTING SHAPES AVAILABLE







# FLAP DISCS

- FIBERGLASS BACKING PAD
- FLAT OR CONICAL SHAPE



Thanks to the fiberglass backing pad, these flap discs cannot pollute the surface worked; while this occurs during grinding operations with discs having a plastic backing pad. This phenomenon can occur once the abrasive cloth is used: for this reason flap discs with fiberglass backing pad are especially suitable for working stainless steel.



## HT (HIGH THICKNESS)

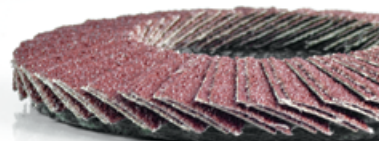
APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	CONICAL VERSION ART. CODE	
 <b>STAINLESS STEEL AND STEEL</b>  <b>ALUMINA ZIRCONIA</b>	<b>HT</b>				
	115x22,23	Z 40	G2812 HT •		20pcs
	115x22,23	Z 60	G2814 HT		20pcs
	115x22,23	Z 80	G2815 HT		20pcs
	125x22,23	Z 40	G2822 HT	G2822 C HT	20pcs
	125x22,23	Z 60	G2824 HT	G2824 C HT	20pcs
	125x22,23	Z 80	G2825 HT		20pcs





**HT:** high thickness mounting. Recommended for grinders of more than 1000 Watts. Disc for professionals.

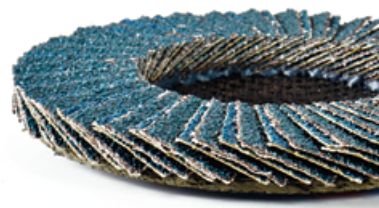
## STANDARD

APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	CONICAL VERSION ART. CODE	
 <b>STEEL</b>  <b>ALUMINUM OXIDE</b>	<b>TOP</b>				
	115x22,23	A 36	G2611		20pcs
	115x22,23	A 40	G2612 •		20pcs
	115x22,23	A 60	G2614 •		20pcs
	125x22,23	A 40	G2622 •		20pcs
	125x22,23	A 60	G2624 •		20pcs
	178x22,23	A 40	G2712 •		10pcs
	178x22,23	A 60	G2714 •		10pcs



**TOP:** top range disc. Perfect for working carbon steel. High removal capacity, long durability.

 <b>STAINLESS STEEL AND STEEL</b>  <b>ALUMINA ZIRCONIA</b>	<b>TOP</b>				
	100x16,00	Z 40		G2802 C	20pcs
	100x16,00	Z 60		G2804 C	20pcs
	100x16,00	Z 80		G2805 C	20pcs
	115x22,23	Z 40	G2812 •	G2812 C •	20pcs
	115x22,23	Z 60	G2814 •	G2814 C •	20pcs
	115x22,23	Z 80	G2815 •	G2815 C	20pcs
	115x22,23	Z 120	G2817 •	G2817 C	20pcs
	125x22,23	Z 40	G2822 •	G2822 C •	20pcs
	125x22,23	Z 60	G2824 •	G2824 C •	20pcs
	125x22,23	Z 80	G2825	G2825 C	20pcs
	125x22,23	Z 120	G2827	G2827 C	20pcs
	178x22,23	Z 40	G2912 •		10pcs
	178x22,23	Z 60	G2914 •		10pcs
	178x22,23	Z 120	G2917		10pcs



**TOP:** top range disc. Ideal for working stainless steel. High removal capacity, long durability.

## STANDARD

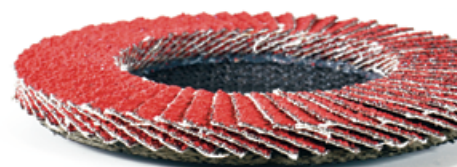
APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	CONICAL VERSION ART. CODE	
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 **STAINLESS  
STEEL AND  
STEEL**

 **CERAMIC  
GRAIN**

## TOP

115x22,23	CER 40	G2852 •	G2852 C	20pcs
125x22,23	CER 40	G2862 •	G2862 C	20pcs



**TOP CER:** the top range disc with ceramic cloth. To be used on grinders of more than 1000 Watts to obtain excellent results.

## BASIC

APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	CONICAL VERSION ART. CODE	
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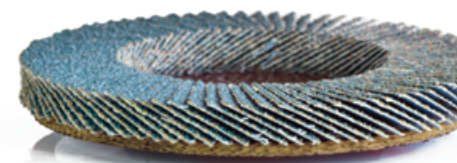
 **STAINLESS  
STEEL AND  
STEEL**

 **ALUMINA  
ZIRCONIA**

## MAXI

115x22,23	Z 40	G2812 80 •		20pcs
115x22,23	Z 60	G2814 80 •		20pcs
125x22,23	Z 40		G2822 90 C •	20pcs
125x22,23	Z 60		G2824 90 C •	20pcs

NEW  
NEW  
NEW  
NEW



**MAXI:** alumina zirconia disc. The number of flaps (80/90) and their arrangement make it compact and precise. Excellent quality/price ratio.

## GF

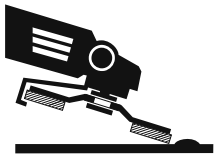
 **STAINLESS  
STEEL AND  
STEEL**

 **ALUMINA  
ZIRCONIA**

115x22,23	Z 40	GF2812 •	GF2812 C	20pcs
115x22,23	Z 60	GF2814 •	GF2814 C	20pcs
115x22,23	Z 80	GF2815 •	GF2815 C	20pcs
115x22,23	Z 120	GF2817 •	GF2817 C	20pcs
125x22,23	Z 40	GF2822 •	GF2822 C	20pcs
125x22,23	Z 60	GF2824 •	GF2824 C	20pcs
125x22,23	Z 80	GF2825	GF2825 C	20pcs
125x22,23	Z 120	GF2827	GF2827 C	20pcs
178x22,23	Z 40	GF2912		10pcs
178x22,23	Z 60	GF2914		10pcs
178x22,23	Z 80	GF2915		10pcs



**GF:** the GLOBE economical range that guarantees good performances and user comfort with any grinder. Good quality/price ratio.



## FLAP DISCS

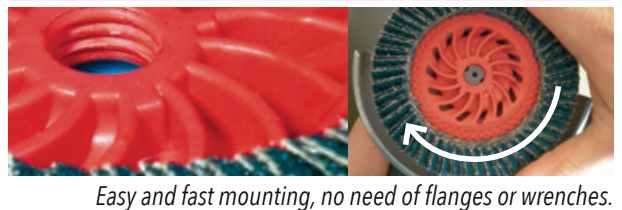
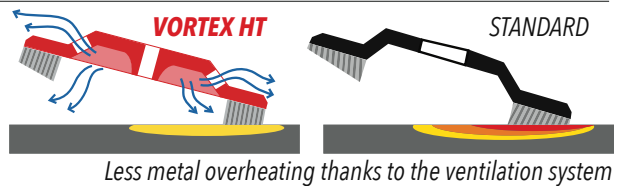
- PLASTIC BACKING PAD
- FLAT VERSION



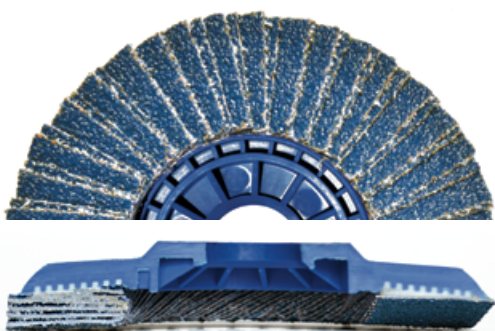
Compared to the fiberglass backing pad, the plastic one gives greater rigidity to the disc. Available in HT version (with narrow crown), standard version or in economical version with both zirconium cloths (suitable for grinding and finishing all types of steel, also alloyed) and corundum cloths (suitable for iron and steel). Discs with plastic backing pad as well as those with fiberglass backing pad are manufactured and tested in compliance with European standards respecting the maximum safety (EN13743). Among its innovations, GLOBE is proud to present the **VORTEX HT** and **COMPACT** discs.

**VORTEX HT** is the most advanced flap disc currently on the market, featuring innovations and technical solutions that make it unique:

- Ventilating aerodynamic fins: produce a ventilating and cooling effect; the workpiece remains colder with less risk of pitting (particularly important for stainless steel); the abrasive cloth is subject to less overheating, less wear and this makes the disc more durable.
- Threaded bore: allows quick and easy fixing without wrenches.
- The HT arrangement of flaps allows a very high abrading capacity and working speed as well as a constant performance from the beginning to the end of the disc. Furthermore, the arrangement of abrasive mixture in the peripheral area of the disc, minimizes wasted material when the disc is finished.



**COMPACT** is GLOBE answer to some applications that need a rigid and compact product. The special structure of the plastic backing pad and the arrangement of the flaps allow to obtain a high rigidity and density of the flap structure giving the disc particularly advantageous abrading properties. In particular, flaps so arranged do not yield under pressure, allowing to work accurately and precisely the desired metal part without affecting surrounding areas. Even when working with the disc inclined, flaps remain firm and rigid, allowing an accurate and fast work. The high quality cloth is durable and high-performing, reducing working times and costs.



## HT (HIGH THICKNESS)

APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	
------------------------------	--------------------------------	------	---------------------------	--

▲ STEEL

● ALUMINIUM  
OXIDE

HT				
115x22,23	A 40	G3012 HT		20pcs



**HT:** assembly with High Thickness flaps. Recommended for grinders of more than 1000 Watts. Disc for professionals

▲ STAINLESS  
STEEL AND  
STEEL

● ALUMINA  
ZIRCONIA

HT				
115x22,23	Z 40	G3112 HT •		20pcs
115x22,23	Z 60	G3114 HT •		20pcs
115x22,23	Z 80	G3115 HT		20pcs
115x22,23	Z 120	G3117 HT		20pcs
125x22,23	Z 40	G3132 HT		20pcs
125x22,23	Z 60	G3134 HT		20pcs
125x22,23	Z 80	G3135 HT		20pcs

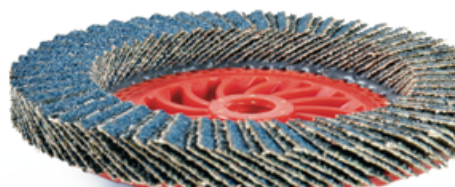


**HT:** High Thickness mounting. Recommended for grinders of more than 1000 Watts. Disc for professionals.

▲ STAINLESS  
STEEL AND  
STEEL

● ALUMINA  
ZIRCONIA

VORTEX HT				
115xM14	Z 40	G3112 HTV •		20pcs
115xM14	Z 60	G3114 HTV •		20pcs
115xM14	Z 80	G3115 HTV		20pcs
125xM14	Z 40	G3132 HTV		20pcs
125xM14	Z 60	G3134 HTV		20pcs
125xM14	Z 80	G3135 HTV		20pcs

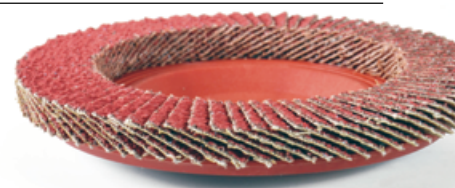


**HT VORTEX:** ventilated backing pad and High Thickness assembly. Recommended for grinders of more than 1000 Watts. Disc for professionals.

▲ STAINLESS  
STEEL AND  
STEEL

● CERAMIC  
GRAIN

CERAMICO HT				
115x22,23	CER 40	G3152 HT •		20pcs



**HT CER:** High Thickness mounting. Recommended for grinders of more than 1000 Watts. Disc for professionals.

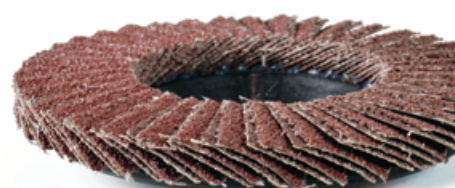
## STANDARD

APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	
------------------------------	--------------------------------	------	---------------------------	--

▲ STEEL

● ALUMINIUM  
OXIDE

TOP				
115x22,23	A 36	G3011		20pcs
115x22,23	A 40	G3012 •		20pcs
115x22,23	A 60	G3014 •		20pcs
178x22,23	A 40	G3022 •		20pcs
178x22,23	A 60	G3024 •		10pcs

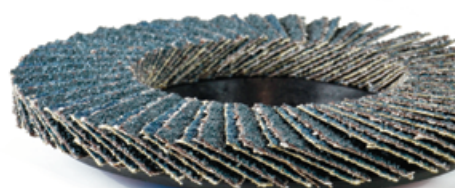


**TOP:** assembly with High Thickness flaps. Recommended for grinders of more than 1000 Watts. Disc for professionals. Exceptional performances.

▲ STAINLESS  
STEEL AND  
STEEL

● ALUMINA  
ZIRCONIA

TOP				
115x22,23	Z 36	G3111		20pcs
115x22,23	Z 40	G3112 •		20pcs
115x22,23	Z 60	G3114 •		20pcs
115x22,23	Z 80	G3115 •		20pcs
115x22,23	Z 120	G3117 •		20pcs
125x22,23	Z 40	G3132 •		20pcs
125x22,23	Z 60	G3134 •		20pcs
125x22,23	Z 80	G3135 •		20pcs
178x22,23	Z 40	G3122 •		10pcs
178x22,23	Z 60	G3124 •		10pcs



**TOP:** top of the range disc with standard assembly of flaps. Long durability assured. High removal capacity.

## STANDARD

APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	
------------------------------	--------------------------------	------	---------------------------	--

▲ **STAINLESS  
STEEL AND  
STEEL**

● **ALUMINA  
ZIRCONIA**

### COMPACT

115x22,23	Z 40	G3112 COM •	20pcs
115x22,23	Z 60	G3114 COM •	20pcs
115x22,23	Z 80	G3115 COM •	20pcs



#### COMPACT:

reverse conical plastic backing pad that makes the disc rigid and compact on the outer edge. Ideal for working sheet metals.

FLAP DISCS

## BASIC

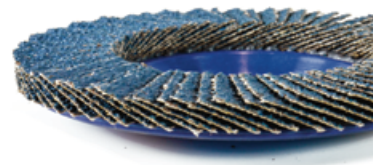
APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	FLAT VERSION ART. CODE	
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▲ **STAINLESS  
STEEL AND  
STEEL**

● **ALUMINA  
ZIRCONIA**

### RAPID PLUS

NEW 115x22,23	Z 40	G3112 R •	20pcs
NEW 115x22,23	Z 60	G3114 R •	20pcs
NEW 115x22,23	Z 80	G3115 R •	20pcs
NEW 125x22,23	Z 40	G3132 R •	20pcs
NEW 125x22,23	Z 60	G3134 R •	20pcs
NEW 125x22,23	Z 80	G3135 R •	20pcs

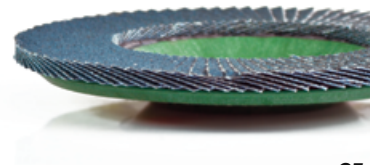


#### RAPID PLUS:

improvement of the Rapid disc. More durability and removal speed.

### GF

115x22,23	Z 40	GF3112 •	20pcs
115x22,23	Z 60	GF3114 •	20pcs
125x22,23	Z 80	GF3115 •	20pcs
125x22,23	Z120	GF3117 •	20pcs



#### GF:

basic range with plastic backing pad.

### GF EKO

NEW 115x22,23	Z 40	GF3112 EKO •	200pcs
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#### GF - EKO:

the new GLOBE economical disc..

▲ **STEEL**

● **ALUMINUM  
OXIDE**

### GF

115x22,23	A 40	GF3012 •	20pcs
115x22,23	A 60	GF3014 •	20pcs



#### GF:

basic range with plastic backing pad.

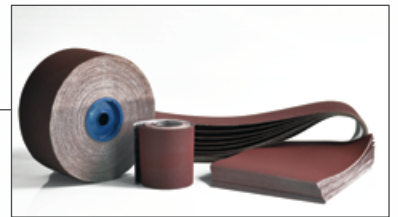


## FLEXIBLE ABRASIVES



### ABRASIVE CLOTHS AND PAPERS

- 62 ABRASIVE CLOTHS (BELT, SHEETS, MINI ROLLS AND ROLLS)
- 64 ABRASIVE PAPERS (ROLLS AND SHEETS)



### SHAFT MOUNTED FLAP WHEELS AND FLAP WHEELS

- 65 SHAFT MOUNTED FLAP WHEELS  
(FOR PORTABLE STRAIGHT GRINDERS)
- 66 FLAP WHEELS (FOR BENCH GRINDERS)



### FIBER DISCS

- 67 (FOR PORTABLE ANGLE GRINDERS)



## **542 JFF**

We recommend its use with soft contact wheels for grinding and finishing of shaped parts, or for wood sanding. Excellent versatility and adaptability to the work-piece shape. Examples: taps, surgical tools.

## **552 JFF**

Very good adaptability on highly shaped parts and on soft metals such as pewter, zamak, aluminum, brass, knives and profiles. Coolants and lubricants avoid belt clogging and decrease frictional heating.

## **531 JFF**

Especially indicated on narrow radii less than 5 mm, very flexible product. Very good performance on wood profiles with shaped pad, prostheses, surgical instruments knives' blades.

## **641 PF**

Hand grinding of metals, finishing of profiles, machine parts' cylinders and goosenecks. Examples: tapware, surgical instruments...

## **541 JF**

Very versatile, for roughing and finishing of metals on semi-hard or soft contact wheels, especially on aluminium and soft metals in general. Also suitable for wood. Good anchoring of abrasive, granules' toughness.

## **KK 511 J**

Common steels, bronze, brass. Fittings, shaped parts. Suitable for manual, automatic and robotic grinding.

## **KK 711 T**

Fittings, tools, cutlery. Good removal capacity and flexibility, enough to grind radii of more than 5mm. Manual, automatic and robotic grinding and with angle grinders as well.

## **642 X FN**

Versatile, for dry grinding of metals in general, with XF support of soft cotton.

## **KK 711 X**

Common steel, alloy steel, stainless steel, bronze, brass, aluminium, castings. Fittings, tools, cutlery, tubes and bars, forged parts, furniture parts. Excellent performance, versatility, water and emulsion resistant up to grit 80. Exceptional grip of abrasive on edge workings, such as grinding of aluminium parts.

## **KK 711 Y**

Wet grinding (water or emulsion) of metals in general. Excellent in finishing brass or aluminium tubes, common or alloy steel. Very stable water-resistant support, very tough abrasive grit.

## **KK 813 X**

Belt grinding of flat metal surfaces. Removal of forging burrs and correction of non-uniform surfaces. Removal of weld beads. Stainless steel sinks and tanks. Excellent on alloy steels. Additives minimize frictional heating. Good removal capacity.

## **942 J**

Belt grinding, on contact wheel from medium-hard to soft, brass, zamak, cast iron, ceramics. Very sharp abrasive, excellent adaptability of the support

## **CK 721 X**

Also wet working of stainless steel, titanium, bronze, brass, hard wood, mdf, fillers, paints, glass, ceramics, stone, marble, rubber, synthetic materials and ceramics. Versatile product, excellent cutting capacity and aggressiveness. Water-resistant support up to grit 180.

## **341 X**

Grinding on hard or semi-hard contact wheels, metals, flat grinding, wooden floor smoothing,. Good performance and durability, stable support, excellent anchoring of abrasive.

## **ZK 713 X**

Common steel, alloy steel and stainless steel, bronze, brass, aluminium and fusions. Polyester support. Tools, cutlery, furniture, forged parts, tubes and bars. Water and emulsion resistant.

## **XK 760 X**

Extremely aggressive ceramic product. Very high resistance to oils and water. Exceptional performances in wet grinding of stainless steel tubes and bars and for dry grinding of carbon steel.

## **SK 850 X**

Expressly studied for working stainless steel. Excellent for removing weld beads (stainless steel sinks) and where a high removal is needed. Extremely resistant support. Coolants for cutting.

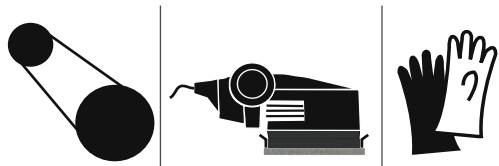
## **XK 870 F**

Very good adaptability to shaped parts. Common steel and alloy steel, aluminium, fusions, titanium alloys, bronze, brass. Tubes and bars, forged parts, knives, microfusions, surgical prostheses. Excellent durability, cutting and aggressiveness. With coolants and lubricants.

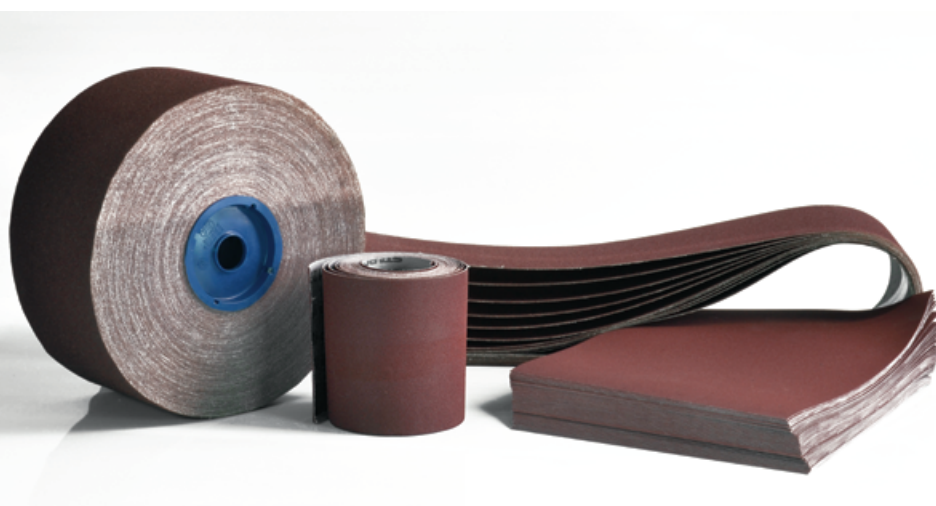
## **XK 870 X**

Common steel, alloy steel, stainless steel, aluminium, fusions, titanium alloys, bronze, fusions, brass. Tubes and bars, metal furniture, surgical prostheses, microfusions. Exceptional cold cut thanks to additives and aggressiveness. Excellent regeneration of abrasive grains.

**KK 712 X** - Compact grain product with exceptional durability, finishing smoothness, drastic decrease of idle machine time, and of abrasive cost for the worked part. Dry or wet working on common and alloy steel, flat or cylindrical. Big time and cost saving for users.



## ABRASIVE CLOTH: BELTS, ANTI-WASTE SHEETS, MINI ROLLS AND ROLLS



### BELTS

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (height x length) mm	GRIT										
		24	36	40	60	80	100	120	150	180	220	

#### COMPOSITION

Aluminum oxide cloth type 642 X FN. Strong X cotton backing.

#### WORKABLE MATERIALS AND OPERATIONS

All types of metals. Also for wood sanding. Dry grinding.

203x750	●	●	●	●	●	●	●	●	●	●	on demand
100x1.000	●	●	●	●	●	●	●	●	●	●	on demand
120x1.500	●	●	●	●	●	●	●	●	●	●	on demand
150x1.750	●	●	●	●	●	●	●	●	●	●	on demand
75x2.000	●	●	●	●	●	●	●	●	●	●	on demand
150x2.000	●	●	●	●	●	●	●	●	●	●	on demand
100x2.500	●	●	●	●	●	●	●	●	●	●	on demand

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (height x length) mm	GRIT							
		24	36	40	60	80	100	120	

#### COMPOSITION

Zirconia cloth, type 341 X. X cotton backing.

#### WORKABLE MATERIALS AND OPERATIONS

Stainless steel and parquet sanding. Dry grinding on carbon steel.

203x750	●	●	●	●	●	●	●	on demand
100x1.000	●	●	●	●	●	●	●	on demand
120x1.500	●	●	●	●	●	●	●	on demand
150x1.750	●	●	●	●	●	●	●	on demand
75x2.000	●	●	●	●	●	●	●	on demand
150x2.000	●	●	●	●	●	●	●	on demand
100x2.500	●	●	●	●	●	●	●	on demand

### ANTI-WASTE SHEETS

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (height x length) mm	GRIT							
		60	80	100	120	150	180	240	

#### COMPOSITION

Aluminum oxide type 641 PF, flexible cotton backing.

#### WORKABLE MATERIALS AND OPERATIONS

Suitable for manual grinding.

230x280	●	●	●	●	●	●	●	100pcs
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## ANTI-WASTE MINI ROLLS

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (heightxlength) mm	60	80	100	GRIT 120	150	180	240	
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### COMPOSITION

Type 641 PF aluminum oxide, flexible cotton backing.

### WORKABLE MATERIALS AND OPERATIONS

For manual grinding.

115x5.000								5mt
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## ANTI-WASTE ROLLS









































SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (heightxlength) mm	40	50	60	80	GRIT 100	120	150	180	220	240	
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### COMPOSITION

Type 641 PF aluminum oxide cloth, X flexible cotton backing, strong backing, good anchoring of abrasive grains.

### WORKABLE MATERIALS AND OPERATIONS

All types of materials (not boxed roll).

25x50.000											50mt
40x50.000											50mt
50x50.000											50mt
115x50.000											50mt

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (heightxlength) mm	40	50	60	80	GRIT 100	120	150	180	220	240	
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### COMPOSITION

Type 531 J FF aluminum oxide cloth, X extra-flexible cotton backing,

### WORKABLE MATERIALS AND OPERATIONS

Ideal for grinding of concave or convex surfaces (not boxed roll).

50x50.000											50mt
115x50.000											50mt






SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (heightxlength) mm	40	50	60	80	GRIT 100	120	150	180	220	240	
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### COMPOSITION

Type KK 114 F aluminum oxide cloth X flexible cotton backing.

### WORKABLE MATERIALS AND OPERATIONS

Excellent on all materials. Manual use (boxed roll).

25x50.000											50mt
40x50.000											50mt
50x50.000											50mt

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (heightxlength) mm	40	50	60	80	GRIT 100	120	150	180	220	240	
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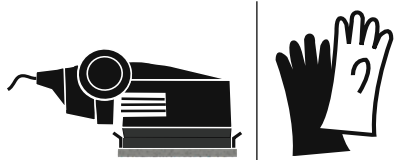
### COMPOSITION

Type 531 J FF aluminum oxide cloth, X extra-flexible cotton backing.

### WORKABLE MATERIALS AND OPERATIONS

Excellent on all materials. Manual use (boxed roll).

50x50.000											50mt
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## ABRASIVE PAPERS: ROLLS AND SHEETS



### ROLLS

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (height x length) mm	GRIT										
		40	60	80	100	120	150	180	220	240	280	

#### COMPOSITION

Aluminum oxide paper.  
542 C7 paper  
from gr. 40 up to gr.120 (weight C).  
542 B7 paper  
from gr.150 up to gr.400 (weight B).

#### WORKABLE MATERIALS AND OPERATIONS

For manual use on wood,  
stucco and paints.

115x50.000	●	●	●	●	●	●	●	●	●	●	●	50mt
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### SHEETS

SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (height x length) mm	GRIT										
		40	60	80	100	120	150	180	220	240	280	

#### COMPOSITION

Aluminum oxide paper.  
542 C7 paper  
from gr. 40 up to gr.120 (weight C).  
542 B7 paper  
from gr.150 up to gr.400 (weight B).

#### WORKABLE MATERIALS AND OPERATIONS

For manual working on wood,  
stucco, paint.

230x280	●	●	●	●	●	●	●	●	●	●	●	50pcs
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SPECIFICATIONS (composition - workable materials - operations)	DIMENSIONS (height x length) mm	GRIT										
		40	60	80	100	120	150	180	220	240	280	

#### COMPOSITION

Silicon carbide paper.  
991 C paper  
from gr. 80 up to gr. 1000.  
991 A paper  
from gr.1200 up to gr. 5000.

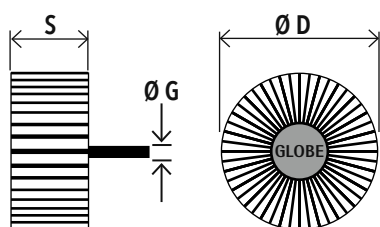
#### WORKABLE MATERIALS AND OPERATIONS

Stucco, paint glass, also used for  
car body repairs. Manual workings.


230x280	●	●	●	●	●	●	●	●	●	●	●	50pcs
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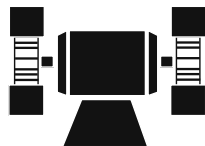
# SHAFT MOUNTED FLAP WHEELS FOR PORTABLE STRAIGHT GRINDERS OR DRILLS



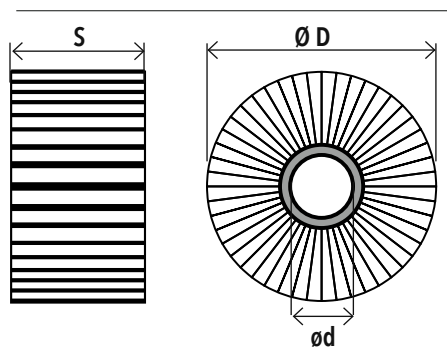
**GLOBE SHAFT-MOUNTED FLAP WHEELS** are characterized by top quality cloth and excellent fabric of the support cloth that doesn't burn during use and doesn't produce bad smells; it wears evenly ensuring excellent change and cutting rate. Wheels with 8 mm shaft can be manufactured on request. Thanks to the noiselessness during use and perfect balancing, they represent an excellent tool for finishing and satinizing. Zirconium wheels are available with 15% price increase, minimum order quantity is 100 pieces per type. Silicon carbide wheels are available with 10% price increase. Add suffix C to the article code to identify corundum wheels.


DIMENSIONS (mm)			ART. COD.	ART. COD.	ART. COD.	ART. COD.	ART. COD.	ART. COD.	ART. COD.	
D	S	G	GRIT 40	GRIT 60	GRIT 80	GRIT 120	GRIT 180	GRIT 220	GRIT 320	
30	10	6	G4011	G4012	G4013 •	G4014	G4015	G4016	G4017	25
30	15	6	G4021	G4022 •	G4023	G4024	G4025	G4026	G4027	25
30	20	6	G4031 •	G4032 •	G4033 •	G4034	G4035	G4036	G4037	25
40	10	6	G4111	G4112	G4113	G4114	G4115	G4116	G4117	25
40	15	6	G4121	G4122	G4123	G4124	G4125	G4126	G4127	25
40	20	6	G4131 •	G4132 •	G4133 •	G4134	G4135	G4136	G4137	25
40	25	6	G4141	G4142	G4143	G4144	G4145	G4146	G4147	25
40	30	6	G4151 •	G4152 •	G4153	G4154	G4155	G4156	G4157	25
50	10	6	G4211	G4212 •	G4213	G4214	G4215	G4216	G4217	25
50	15	6	G4221	G4222	G4223	G4224	G4225	G4226	G4227	25
50	20	6	G4231	G4232 •	G4233	G4234	G4235	G4236	G4237	25
50	25	6	G4241	G4242	G4243	G4244	G4245	G4246	G4247	25
50	30	6	G4251 •	G4252	G4253	G4254	G4255	G4256	G4257	25
60	15	6	G4311	G4312	G4313	G4314	G4315	G4316	G4317	25
60	20	6	G4321	G4322	G4323	G4324	G4325	G4326	G4327	25
60	25	6	G4331	G4332	G4333	G4334	G4335	G4336	G4337	25
60	30	6	G4341 •	G4342	G4343	G4344	G4345	G4346	G4347	25
60	40	6	G4351	G4352	G4353	G4354	G4355	G4356	G4357	25
60	50	6	G4361	G4362	G4363	G4364	G4365	G4366	G4367	25
80	20	6	G4421	G4422	G4423	G4424	G4425	G4426	G4427	25
80	30	6	G4431	G4432	G4433	G4434	G4435	G4436	G4437	25
80	40	6	G4441	G4442	G4443	G4444	G4445	G4446	G4447	25
80	50	6	G4451	G4452	G4453	G4454	G4455	G4456	G4457	25


• = articles always in stock



# ABRASIVE FLAP WHEELS FOR BENCH GRINDERS



DIMENSIONS (mm)			ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
DIAM. (D)	THICK. (S)	BORE (d)	GRIT 40	GRIT 50	GRIT 60	GRIT 80	GRIT 100	GRIT 120	
100	30	26,00	G4511	G4512	G4513	G4514	G4515	G4611	10
100	50	26,00	G4521	G4522	G4523	G4524	G4525	G4621	10
165	30	54,00	G4541 •	G4542	G4543 •	G4544 •	G4545	G4641 •	10
165	50	54,00	G4551	G4552	G4553	G4554	G4555	G4651	10
200	30	54,00	G4561 •	G4562	G4563	G4564	G4565	G4661	10
200	50	54,00	G4571	G4572	G4573	G4574	G4575	G4671	10
250	30	100,00	G4581	G4582	G4583	G4584	G4585	G4681	10
250	50	100,00	G4591	G4592	G4593	G4594	G4595	G4691	10

DIMENSIONS (mm)			ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
DIAM. (D)	THICK. (S)	BORE (d)	GRIT 150	GRIT 180	GRIT 220	GRIT 240	GRIT 320	
100	30	26,00	G4612	G4613	G4614	G4615	G4616	10
100	50	26,00	G4622	G4623	G4624	G4625	G4626	10
165	30	54,00	G4642	G4643 •	G4644	G4645	G4646	10
165	50	54,00	G4652	G4653	G4654	G4655	G4656	10
200	30	54,00	G4662	G4663	G4664	G4665	G4666	10
200	50	54,00	G4672	G4673	G4674	G4675	G4676	10
250	30	100,00	G4682	G4683	G4684	G4685	G4686	10
250	50	100,00	G4692	G4693	G4694	G4695	G4696	10

## FLANGE COUPLES TO REDUCE THE BORE OF FLAP WHEELS

ART. CODE	DESCRIPTION
2300000000100	flange couple to reduce bore in diam. 25,40 mm wheels
2300000000165	flange couple to reduce bore in diam. 54,80 mm wheels
2300000000250	flange couple to reduce bore in diam. 100,00 mm wheels

Zirconium wheels are available with 18% price increase, minimum order quantity per type is of 30 pieces. Add suffix Z to the aluminium oxide article code.



# FIBER DISCS FOR PORTABLE ANGLE GRINDERS



GLOBE **FIBER SANDING DISCS** are manufactured with fibers of the best quality. Great care is taken to obtain a homogeneous and accurate distribution of abrasive. Abrasive grains, exposed to a high potential electrostatic field, always turn their points upwards in order to reach the best sharpness.

Mixtures, made with corundum, alumina zirconia or silicon carbide allow to reach excellent performances on iron, steel, stainless steel and materials for the building industry.

The special dressing, especially in the zirconium type, prevents overheating of work-pieces.

To be always used with the special backing pads.



Ceramic grains viewed under a microscope.

#### AVAILABLE BACKING PADS:

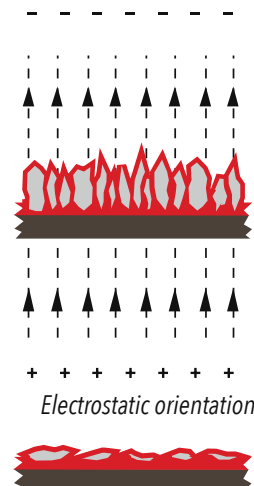
Ø115 (art. code G3400 115)

Ø125 (art. code G3400 125) bore M14.

For more informations: pag. 88.



GLOBE backing pads.



Electrostatic orientation.



Random orientation.

## ABRASIVE MIXTURE WITH SPECIAL COOLING COMPOUNDS

Improves product performance, reduces heat development thus preserving worked surfaces from possible overheating, pitting, etc. and extends sanding discs' durability.

## CERAMIC ABRASIVE GRAINS

The ceramic sanding disc is manufactured with an abrasive grit called ceramic, obtained by sintering of crystal alumina and with extraordinary features of grain hardness and toughness.

## ELECTROSTATIC ORIENTATION OF GRAINS

During production process, abrasive grains are vertically oriented (through an electrostatic field with high potential difference) with their major axis perpendicular to the disc surface. This special treatment aligns grains' points and makes the product much more abrading and effective compared to discs obtained with a random and not oriented arrangement of grains.

## ALL THE ADVANTAGES OF CERAMIC SANDING DISCS

- Very high removal, excellent finishing and great versatility
- Suitable for working all main metals such as: iron, carbon steel, alloy steel, stainless steel and aluminum.
- User comfort thanks to the absence of vibrations, lightness of the product and reduced noise emission.
- Very low powder production.
- Decrease in production costs and increase in productivity thanks to a very high removal, exceptional durability and user comfort decreasing work breaks.

## A RENEWED RANGE OF CORUNDUM AND ZIRCONIUM SANDING DISCS

Besides the new ceramic sanding disc, GLOBE developed a new, completely renewed range of zirconium and corundum sanding discs that are able to obtain 20% higher performances than the previous formulation as well as a longer durability.

## BACKING PADS

GLOBE sanding discs always have to be combined with our special backing pads to offer the best performance.



APPLICATION TYPE OF CLOTH	DIMENSIONS (mm)		ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
	DIAM.	BORE	GRIT 16	GRIT 24	GRIT 36	GRIT 40	GRIT 50	GRIT 60	GRIT 80	GRIT 100	GRIT 120	
<b>STEEL</b> CORUNDUM-TYPE 02A 	100	22,23	G3411	G3412	G3413	G3414	G3415	G3416	G3417	G3418	G3419	50
	100	22,23	G3411 TOP	G3412 TOP	G3413 TOP	G3414 TOP	G3415 TOP	G3416 TOP	G3417 TOP	G3418 TOP	G3419 TOP	50
	115	22,23	G3421	G3422 •	G3423 •	G3424 •	G3425	G3426 •	G3427 •	G3428 •	G3429 •	50
	115	22,23	G3421 TOP	G3422 TOP	G3423 TOP	G3424 TOP	G3425 TOP	G3426 TOP	G3427 TOP	G3428 TOP	G3429 TOP	50
	125	22,23	G3431	G3432	G3433 •	G3434 •	G3435	G3436 •	G3437 •	G3438	G3439	50
	125	22,23	G3431 TOP	G3432 TOP	G3433 TOP	G3434 TOP	G3435 TOP	G3436 TOP	G3437 TOP	G3438 TOP	G3439 TOP	50
	150	22,23	G3441	G3442	G3443	G3444	G3445	G3446	G3447	G3448	G3449	50
	150	22,23	G3441 TOP	G3442 TOP	G3443 TOP	G3444 TOP	G3445 TOP	G3446 TOP	G3447 TOP	G3448 TOP	G3449 TOP	50
	180	22,23	G3451 •	G3452 •	G3453 •	G3454	G3455	G3456 •	G3457	G3458	G3459	50
	180	22,23	G3451 TOP	G3452 TOP	G3453 TOP	G3454 TOP	G3455 TOP	G3456 TOP	G3457 TOP	G3458 TOP	G3459 TOP	50

<b>STAINLESS STEEL</b> ZIRCONIUM-TYPE 03A 	115	22,23	-	G3521	G3522 •	G3523	G3524 •	G3525 •	G3526	G3527	G3528 •	50
	115	22,23	-	G3521 TOP	G3522 TOP	G3523 TOP	G3524 TOP	G3525 TOP	G3526 TOP	G3527 TOP	G3528 TOP	50
	125	22,23	-	G3531 •	G3532 •	G3533 •	G3534 •	G3535 •	G3536 •	G3537 •	G3538	50
	125	22,23	-	G3531 TOP	G3532 TOP	G3533 TOP	G3534 TOP	G3535 TOP	G3536 TOP	G3537 TOP	G3538 TOP	50
	150	22,23	-	G3541	G3542	G3543	G3544	G3545	G3546	G3547	G3548	50
	150	22,23	-	G3541 TOP	G3542 TOP	G3543 TOP	G3544 TOP	G3545 TOP	G3546 TOP	G3547 TOP	G3548 TOP	50
	180	22,23	-	G3551 •	G3552 •	G3553	G3554	G3555 •	G3556	G3557	G3558	50
	180	22,23	-	G3551 TOP	G3552 TOP	G3553 TOP	G3554 TOP	G3555 TOP	G3556 TOP	G3557 TOP	G3558 TOP	50

<b>STONE</b> SILICON CARBIDE-TYPE 02C 	115	22,23	G3621	G3622	G3623	G3624	G3625	G3626	G3627	-	-	50
	115	22,23	G3621 TOP	G3622 TOP	G3623 TOP	G3624 TOP	G3625 TOP	G3626 TOP	G3627 TOP	-	-	50
	125	22,23	G3631	G3632	G3633	G3634	G3635	G3636	G3637	-	-	50
	125	22,23	G3631 TOP	G3632 TOP	G3633 TOP	G3634 TOP	G3635 TOP	G3636 TOP	G3637 TOP	-	-	50
	180	22,23	G3651	G3652	G3653	G3654	G3655	G3656	G3657	-	-	50
	180	22,23	G3651 TOP	G3652 TOP	G3653 TOP	G3654 TOP	G3655 TOP	G3656 TOP	G3657 TOP	-	-	50














<b>STAINLESS STEEL AND STEEL</b> CERAMIC-TYPE 04A 	115	22,23	-	-	G3423 CER •	-	-	G3426 CER •	G3427 CER	-	-	50
	115	22,23	-	-	G3423 CERTOP	-	-	G3426 CERTOP	G3427 CERTOP	-	-	50
	125	22,23	-	-	G3433 CER •	-	-	G3436 CER •	G3437 CER	-	-	50
	125	22,23	-	-	G3433 CERTOP	-	-	G3436 CERTOP	G3437 CERTOP	-	-	50
	180	22,23	-	-	G3453 CER •	-	-	G3456 CER •	G3457 CER	-	-	50
	180	22,23	-	-	G3453 CERTOP	-	-	G3456 CERTOP	G3457 CERTOP	-	-	50

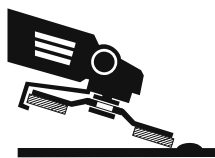
**885 SERIES  
(ULTRA TOP)**

The "TOP" series fiber discs are also available in the "ULTRA TOP" (885) series that is even more performing and of higher quality.



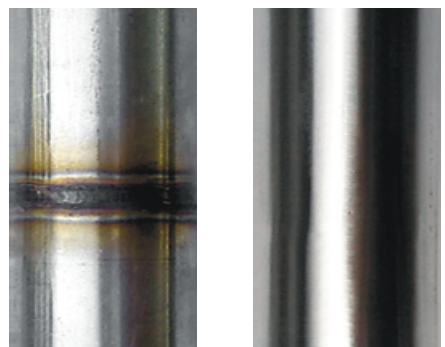
## FLEXIBLE ABRASIVES FOR FINISHING AND POLISHING

- |    |   |   |
|----|---|---|
| 70 |  <b>FINISHING PRO: FLAP DISCS: NON WOVEN+CANVAS</b><br>(FOR PORTABLE ANGLE GRINDERS)   |   |
| 71 |   <b>SHAFT-MOUNTED FLAP WHEELS: NON WOVEN, NON WOVEN+CANVAS</b><br>(FOR PORTABLE STRAIGHT GRINDERS) |  |
| 72 | <b>ROLLS: CANVAS, NON WOVEN+CANVAS, NON WOVEN</b><br>(FOR PORTABLE SATINATING MACHINES)   |   |
| 73 |   <b>NON WOVEN PADS AND ROLLS</b><br>(FOR PORTABLE POLISHING MACHINES OR MANUAL USE)                |  |
| 74 |  <b>SCRUBBER: NON WOVEN DISCS</b><br>(FOR PORTABLE ANGLE GRINDERS)   |  |
| 75 | <b>SHINING: NON WOVEN DISCS</b><br>(FOR PORTABLE ANGLE GRINDERS)  |   |
| 76 |   <b>FLAP DISCS: NON WOVEN AND FELT WITH ABRASIVE PASTE</b><br>(FOR PORTABLE ANGLE GRINDERS)        |  |
| 77 | <b>ABRASIVE BARS AND SPONGES</b><br>(MANUAL USE)  |   |



## NON WOVEN+CANVAS FLAP DISCS

FOR GRINDING AND FINISHING WITH  
PORTABLE ANGLE GRINDERS



Cleaning and polishing of weldings on stainless steel tubes: before and after.



**FINISHING PRO** was born from the idea of creating a new generation flap disc by combining normal flaps of abrasive cloth with non-woven flaps, typical of finishing discs. Abrasive cloth flaps are for "roughing" while non-woven flaps (due to their fine grit) polish metal giving it a very low surface roughness and a shiny aspect. The ceramic version allows a removal speed that is at least double compared to that of corundum discs and it lasts 50% more. Suitable for quick roughing operations and for use before carrying out different finishing jobs that can be obtained with coarse, medium and fine grits.



ULTRA COARSE (CERAMIC)



COARSE (CORUNDUM)



MEDIUM (CORUNDUM)



FINE (CORUNDUM)

**SPEED:** in order to obtain the best results, it is recommended to use discs between 3.300 and 6.000 rpm on grinding machines with adjustable speed.

**WORKING PRESSURE:** press the grinding machine more to obtain a quicker abrasion; lighten pressure to favour finishing.

**WORKING ANGLE:** to obtain the best results, always work with an angle between 5° and 10°.

#### RECOMMENDED APPLICATIONS:

- Light finishing of welding joints
- Round of edges
- High finishing operations
- Removal of imperfections and welding mistakes
- Preparation of surfaces
- Removal of welding drops
- Light grinding

#### THE ADVANTAGES OF FINISHING PRO

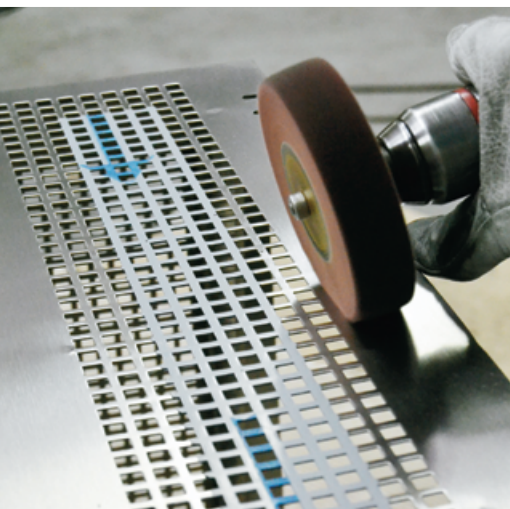
- Very high quality abrasive canvas
- User comfort and maximum safety
- Professional finishing
- Maximum time-saving (grinding and polishing in a single pass)
- Shiny surfaces and homogeneous finishing
- Long durability
- Excellent performance also for curved surfaces
- Materials: stainless steel, special alloys and aluminum
- No vibrations
- No metal overheating

TYPE OF ABRASIVE		DIMENSIONS (diam - bore) mm	GRIT	ART. CODE	
● CERAMIC	NEW	115x22,23	ULTRA COARSE	G6010	5pcs
	NEW	125x22,23	ULTRA COARSE	G6030	5pcs
● CORUNDUM		115x22,23	COARSE	G6011 •	5pcs
		125x22,23	COARSE	G6031	5pcs
		115x22,23	MEDIUM	G6012 •	5pcs
		125x22,23	MEDIUM	G6032 •	5pcs
		115x22,23	FINE	G6013 •	5pcs
		125x22,23	FINE	G6033 •	5pcs



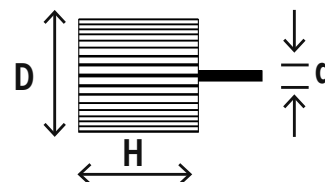


# SHAFT MOUNTED FLAP WHEELS, NON WOVEN AND NON WOVEN+CANVAS FOR SATIN FINISHING AND FINISHING WITH PORTABLE STRAIGHT GRINDERS



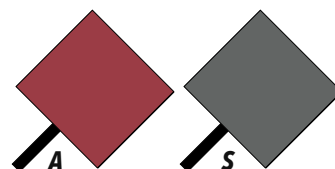
Non woven **FLAP WHEELS** and non woven+abrasive canvas with 6mm shaft.

These latest one are similar to non woven wheels, but the addition of abrasive canvas allows a better removal and eliminates possible scratches left on the workpiece.



## NON WOVEN

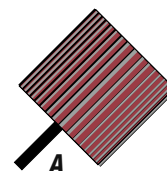
DIMENSIONS (mm)	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
D x H x d	A-MEDIUM	A-FINE	A-VERY FINE	S-ULTRA FINE	pcs
30x20x6	G7521 •	G7531 •	G7541 •	G7581 •	50
40x20x6	G7523 •	G7533 •	G7543 •	G7583 •	50
60x30x6	G7625 •	G7635 •	G7645 •	G7685 •	50
80x50x6	G7722	G7732	G7742	G7782	50



A: aluminium oxide (corundum)  
S: silicon carbide

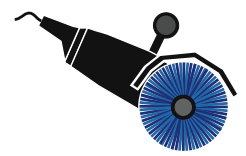
## NON WOVEN + CLOTH

DIMENSIONS (mm)	ART. CODE	ART. CODE	ART. CODE	
D x H x d	A-MEDIUM (P 80)	A-MEDIUM (P 120)	A-VERY FINE (P 240)	pcs
30x20x6	G8021 •	G8031 •	G8081 •	50
40x20x6	G8023 •	G8033 •	G8083 •	50
60x30x6	G8232 •	G8252 •	G8352 •	50
80x50x6	G8531	G8541	G8591	50

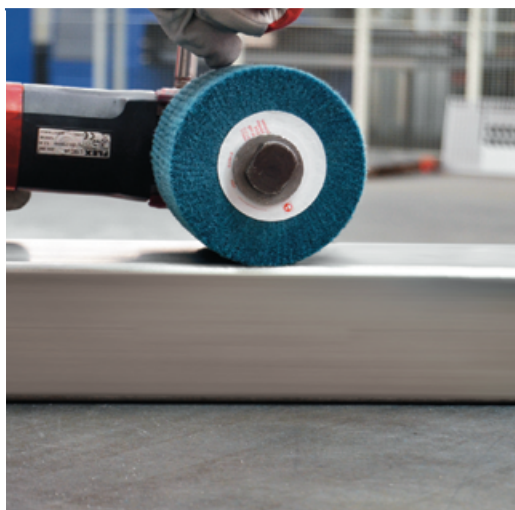


A: aluminium oxide (corundum)

All GLOBE flap wheels are also available in different sizes, on demand.



## CANVAS, NON WOVEN/CANVAS AND NON WOVEN ROLLS FOR GRINDING, SATIN FINISHING AND POLISHING WITH PORTABLE MACHINES



**ROLLS (OR WHEELS)** for satinizing machines, are among the most versatile tools for finishing any material, they allow to work on a wide area increasing processing yield.

### THE ADVANTAGES OF GLOBE ROLLS

- Compact and uniform in processing
- Wide working surface
- Long durability
- Don't heat workpieces
- Anti-clogging

### RECOMMENDED WORKS

- satin finish and cleaning of metals, conventional or special stainless steel
- decorative finish of stainless steel, aluminium and brass
- removal of oxidation, grease and paint
- processing of aluminium alloys, non-ferrous metals, cast iron, titanium, sanding of raw and painted wood
- production and maintenance of machines and plants for the food, chemical, pharmaceutical and hospital industry
- steel and stainless steel furniture, extractor hoods, household appliances, kitchens and quality finish
- plastic, paint, lacquer, stucco, stone or wood

ABRASIVE TYPE	DIMENSIONS (length-width-bore) mm	GRIT	ART. CODE	
<b>ZIRCONIA NON WOVEN ROLLS</b> These tools are made of non-woven flaps radially glued on a central core.	100x100x19	COARSE	G6621 •	1pc
	100x100x19	MEDIUM	G6626 •	1pc
	100x100x19	FINE	G6631 •	1pc
	100x100x19	VERY FINE	G6636 •	1pc
<b>NON WOVEN + CANVAS WITH ALTERNATED FLAPS</b> Non-woven flaps tend to satin-finish the metal on which they are used, while the canvas ones guarantee a better removal eliminating possible signs left on the workpiece.	100x100x19	A 40	G6642 •	1pc
	100x100x19	A 60	G6626 •	1pc
	100x100x19	A 80	G6631 •	1pc
	100x100x19	A 120	G6636 •	1pc
<b>CORUNDUM ROLLS</b> Fully made of abrasive canvas. Used on any type of metal. In the coarsest grits, they can be used also on stone, marble and fiberglass.	100x100x19	A 40	G6672 •	1pc
	100x100x19	A 60	G6674 •	1pc
	100x100x19	A 80	G6675 •	1pc
	100x100x19	A 120	G6677 •	1pc
	100x100x19	A 180	G6679 •	1pc
	100x100x19	A 240	G6681 •	1pc
	100x100x19	A 320	G6683 •	1pc
	100x100x19			



# NON WOVEN BUFFING PADS AND ROLLS FOR CLEANING, SATIN FINISHING AND POLISHING



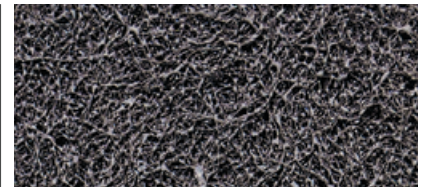
**NON WOVEN PADS** and **ROLLS** are used for manual processing or can be mounted on orbital or rectilinear polishers. With this type of extremely versatile product that is available in the aluminium oxide and silicon carbide versions, it is possible to work in an excellent way on a wide variety of surfaces: steel, iron, metals, wood, plastic, ceramic.

**STAINLESS STEEL, STEEL AND OTHER METALS:** for satin-finishing of flat surfaces, removal of oxides, preparation of details and removal of imperfections in general.

**BODYWORK:** to opacify paint. Thanks to the special density of material, it does not clog even with difficult surfaces such as stuccos.

**WOOD:** for finishing raw wood on painted base.

To renew the non woven fabric, it is enough to rinse it with water or blow it with air then use it again until it is completely exhausted. Unlike traditional abrasive cloths, NON WOVEN BUFFING PADS and ROLLS can be used on both sides, increasing their lifetime and economy.



The wide weave allows the escape of the material removed, thus avoiding clogging and guarantees a quality and efficient work.

## ADVANTAGES OF NON-WOVEN BUFFING PADS AND ROLLS

- Easy to use
- Do not clog
- Extremely versatile
- Adaptable to all shapes and surfaces
- Can be used both dry and with lubricants

Silicon carbide



Non-woven pads 120x280mm. Pack of 10 pcs.

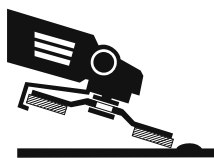
Aluminium oxide



Non-woven roll 115mm x 10m. Pack of 1 pc.



TYPE OF ABRASIVE	DIMENSIONS (width - length) mm	GRIT	ART. CODE	
● ALUMINIUM OXIDE	120x280 (pads)	MEDIUM	G6415 •	10pcs
	120x280 (pads)	FINE	G6417 •	10pcs
	120x280 (pads)	VERY FINE	G6419 •	10pcs
	120x10.000 (rolls)	MEDIUM	G6515 •	1pc
	120x10.000 (rolls)	FINE	G6517 •	1pc
	120x10.000 (rolls)	VERY FINE	G6519 •	1pc
● SILICON CARBIDE	120x280 (pads)	FINE	G6426 •	10pcs
	120x10.000 (rolls)	VERY FINE	G6526 •	1pc



## "SCRUBBER" NON WOVEN CLEANING DISC FOR PORTABLE ANGLE GRINDERS



The new GLOBE **SCRUBBER** disc was conceived for cleaning surfaces of stainless steel, steel and non ferrous metals, allowing to eliminate: paint from surfaces, different types of oxidations such as rust, calamine, limescale and concrete residues, bringing the workpiece to an excellent condition. GLOBE "SCRUBBER" is made of a fiberglass backing pad, on which a very resistant and flexible nylon fiber agglomerate is installed, impregnated with synthetic and abrasive resin. The extremely open structure of this product avoids clogging. Perfect for the following fields: shipbuilding construction, bodywork, carpentry.

### WORKABLE MATERIALS

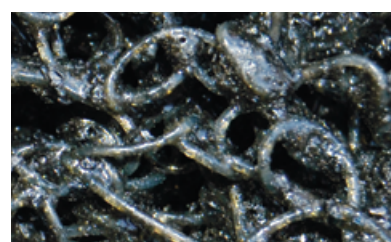
stainless steel and steel, aluminium, titanium, non ferrous metals, alloys, marble, granite, stones, fiberglass, plastic, wood.

### MAIN USES OF GLOBE "SCRUBBER"


- Treatment of surfaces
- Cleaning of weldings without removing material
- Pickling
- Removal of paints and enamels, burrs, rust and calamine
- Removal of sediments, protective wax, concrete, salt, grease



Before and after SCRUBBER pass on a stove enamelled tube.



SCRUBBER: magnification of the special structure of the compound.

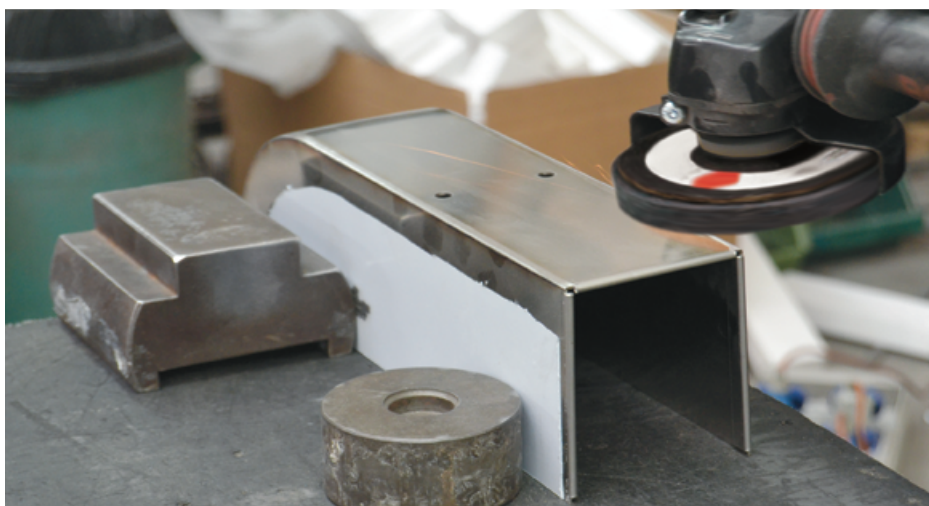
TYPE OF ABRASIVE	DIMENSIONS (diam - bore) mm	GRIT	ART. CODE	
Non Woven	115x22,23	MEDIUM	G6211 •	5pcs
Non Woven	125x22,23	MEDIUM	G6212 •	5pcs
Non Woven	115x22,23	COARSE	G6221	5pcs
Non Woven	125x22,23	ULTRA COARSE	G6222	5pcs

### THE ADVANTAGES OF SCRUBBER

- Quick and precise cleaning
- Does not alter geometry of the the workpiece
- Economical
- Avoids the use of traditional, toxic and corrosive chemical products
- High flexibility
- Allows the use of coolants



# "SHINING" NON WOVEN POLISHING DISCS FOR PORTABLE GRINDERS



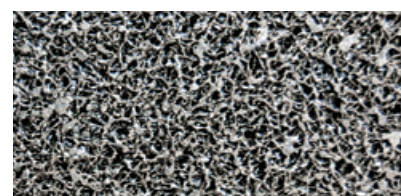
The GLOBE **"SHINING"** disc is part of a new generation of abrasive products for finishing. It is made of a fibreglass backing pad on which a 3D nylon material impregnated by synthetic resin and abrasive is installed. This material is simply called non-woven fabric and it is perfect for a simple and versatile finishing, for preparing surfaces to painting or galvanic treatments, to reduce roughness left by previous workings with belts or abrasive discs. The secret of this disc is the surprising abrasion combined with an excellent finishing.



Before (L) and after (R) SHINING pass on a semifinished workpiece.

## THE ADVANTAGES OF SHINING

- It fits to the workpiece shape
- Perfect for stainless steel: does not leave contamination or traces
- Avoids "smearing": does not leave any residue or signs on the workpiece
- Long durability and constant density
- Avoids formation of material heaps

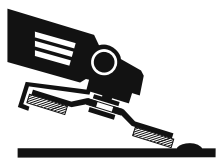


SHINING: magnification of the special structure of the compound.

## MAIN USES OF SHINING

- Quick removal of pittings
- Removal of material and roundings
- Finishing of Tig and Mig/Mag weldings
- Correction of grinding errors
- Removal of imperfections without changing the workpiece geometry
- Removal of milling scratches, paints...
- Removal of paintings or coverings
- Pre-polishing
- Cleaning of turbine blades and propellers
- Improves surface roughness: useful for pharmaceutical and food industry, where special requirements have to be followed for the products' surface roughness.

TYPE OF ABRASIVE	DIMENSIONS (diam - bore) mm	GRIT	ART. CODE	
● <b>ALUMINIUM OXIDE</b>	115x22,23	FINE/MEDIUM	G6116 •	5pcs
	115x22,23	MEDIUM/MEDIUM	G6125 •	5pcs
	125x22,23	FINE/MEDIUM	G6146 •	5pcs
	125x22,23	MEDIUM/MEDIUM	G6155 •	5pcs
● <b>SILICON CARBIDE</b>	115x22,23	VERY FINE/FINE	G6113 •	5pcs
	115x22,23	VERY FINE/MEDIUM	G6117 •	5pcs
	125x22,23	VERY FINE/FINE	G6143 •	5pcs
	125x22,23	VERY FINE/MEDIUM	G6147 •	5pcs



## NON WOVEN AND FELT FLAP DISCS FOR **SANDING AND FINISHING** WITH PORTABLE MACHINES



### NON WOVEN FLAP DISCS

	DIMENSIONS (diam - bore) mm	GRIT			ART. CODE	
NEW	115x22,23	COARSE			G6051 •	5pcs
NEW	125x22,23	COARSE			G6071	5pcs
NEW	115x22,23		MEDIUM		G6052 •	5pcs
NEW	125x22,23		MEDIUM		G6072	5pcs
NEW	115x22,23			VERY FINE	G6053 •	5pcs
NEW	125x22,23			VERY FINE	G6073	5pcs

### NON WOVEN FLAP DISCS

Discs with non woven flaps for **SURFACE CONDITIONING**.

#### CHARACTERISTICS

This material is aggressive and long-lasting, thanks to its particularly rich structure, which does not allow cloggings.

#### TO BE USED

To be used for removing grinding signs and imperfections on the processed surfaces.


### FELT FLAP DISCS

Felt flap discs, fiberglass backing for mirror-polishing with abrasive paste.

#### TO BE USED

To be used on angle grinders at low speed (6.000 RPM recommended).

### FELT FLAP DISC AND POLISHING PASTE

	DIMENSIONS (diam - bore) mm	PRODUCT	ART. CODE	
NEW	115x22,23	<b>FELT DISC</b>	G6081 •	5pcs
NEW	125x22,23	<b>FELT DISC</b>	G6082 •	5pcs

	DIMENSIONS (length-width-thick) mm	PRODUCT	ART. CODE	
NEW	156x52x35	<b>POLISHING PASTE</b>	G6083 •	5pcs

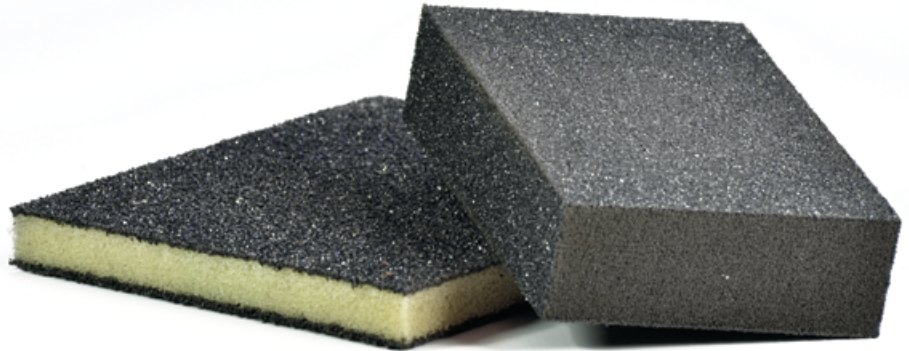


Felt disc for mirror-polishing.



# ABRASIVE BARS AND SPONGES

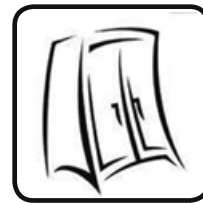
## MANUAL USE



### ABRASIVE BARS AND SPONGES

For dry or wet hand processing.

Main sectors of use:  
BOAT INDUSTRY  
CARPENTRY AND RESTORATION  
BODYWORK

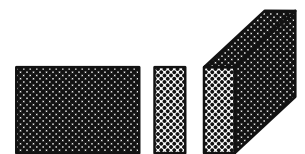


**ABRASIVE BARS:** abrasive on 4 sides.

#### APPLICATIONS

- bodywork and wood
- for sanding and finishing paints
- suitable for the finish sanding of edges and angles
- easy and fast to use, very versatile

SPECIFICATIONS	DIMENSIONS (length-width-thick) mm	GRIT	ART. CODE	
BARS				
NEW	98x69x26	COARSE	G6696 •	24pcs
NEW	98x69x26	MEDIUM	G6697 •	24pcs
NEW	98x69x26	FINE	G6698 •	24pcs



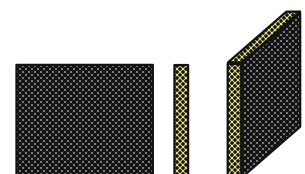
**ABRASIVE SPONGES:** abrasive on 2 sides.

#### APPLICATIONS

To use for sanding, finishing and finish sanding of:

- any type of surface (edges, corners, grooves...)
- materials like metal (bodyworks...) and wood (doors, windows, tables, chairs...)
- they adapt to the shape of the surfaces to process, and keep the flat shape on 2 sides
- can be rinsed after use

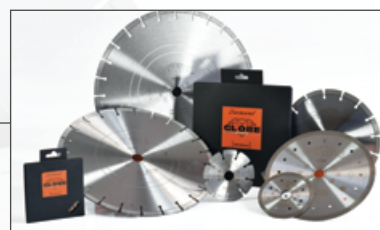
SPECIFICATIONS	DIMENSIONS (length-width-thick) mm	GRIT	ART. CODE	
SPONGES				
NEW	120x98x12	COARSE	G6691 •	32pcs
NEW	120x98x12	MEDIUM	G6692 •	32pcs
NEW	120x98x12	FINE	G6693 •	32pcs





80

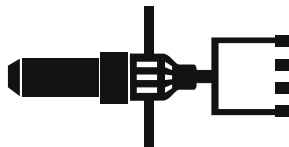
**SEGMENTED AND CONTINUOUS RIM DIAMOND DISCS**  
FOR PORTABLE ANGLE GRINDERS OR  
MACHINES WITH COMBUSTION ENGINE



81

**DIAMOND CORE BITS AND ACCESSORIES**  
FOR PORTABLE AXIAL MACHINES





## GLOBE DIAMOND LINE

**GLOBE** presents the new line of diamond tools:  
fast, precise, effective, safe, recommended for professionals.  
The GLOBE DIAMOND line is divided into:

- **CONTINUOUS RIM DIAMOND DISCS**
- **SEGMENTED DIAMOND DISCS**
- **DIAMOND CORE DRILL BITS**

Both types of diamond discs have the common characteristic to be universal, they can be used for:

BETON  
REINFORCED CONCRETE AND NOT  
GRANITES  
NATURAL STONES  
MARBLES  
REFRACTORY MATERIALS  
CERAMIC



Continuous rim discs with packaging.

### CONTINUOUS RIM DIAMOND DISCS,

available in diameters 115 mm and 230 mm; can be of 3 different qualities:

- **PLUS** (top line) the best product available on the market, top of the range, perfect for professionals who make a daily use of the disc and expect long durability and fast cut. The carefully studied diamond deposition allows to have a fast and precise product for cutting operations. Ideal for heavy works, resistant to stress, ready for any type of work;
- **EVO** (standard line) intermediate level, where quality meets the right price, can satisfy any type of performance. The perfect mix between quality and price;
- **DYN** (basic line) an economical quality product, suitable for not particularly heavy works and for all users. The three different quality lines allow to have a wide range for choosing the right disc for every occasion. The specific disc for STONEWARE in diameter 115 mm is available in the PLUS quality.



Segmented diamond discs with packaging.

### SEGMENTED DIAMOND DISCS,

available only in the EVO quality, the right quality-price ratio, in diameters 115 mm, 230 mm, 350 mm and 400 mm.  
The PLUS quality disc, suitable for heavy works, is also available in diameter 230 mm.



Segmented rim core bits with packaging.

### DIAMOND CORE DRILL BITS FOR DRY USE,

are available in the following diameters: 62mm, 82mm, 102mm, 127mm, 162mm; the length is standard for all the diamond core drill bits: 150 mm; GLOBE offers a high quality product, ready to satisfy any requirement. GLOBE Diamond Core Drill Bits are suitable to carry out round holes into BETON, REINFORCED OR UNREINFORCED CONCRETE, GRANITES, NATURAL STONE, REFRACTORY MATERIALS, SANDSTONE.



# DIAMOND DISCS FOR PORTABLE ANGLE GRINDERS AND MACHINES WITH COMBUSTION ENGINE



## CONTINUOUS RIM DIAMOND DISCS

	MATERIAL	DIAM. (mm)	QUALITY	USE SPEED	ART. CODE	
NEW	UNIVERSAL	115	PLUS	80 m/s	G7231 •	1pc
NEW	UNIVERSAL	230	PLUS	80 m/s	G7234 •	1pc
NEW	UNIVERSAL	115	EVO	80 m/s	G7221 •	1pc
NEW	UNIVERSAL	230	EVO	80 m/s	G7224 •	1pc
NEW	UNIVERSAL	115	DYN	80 m/s	G7211 •	1pc
NEW	UNIVERSAL	230	DYN	80 m/s	G7214 •	1pc
NEW	PORCELAIN STONEWARE	115	PLUS	80 m/s	G7231 GRES •	1pc



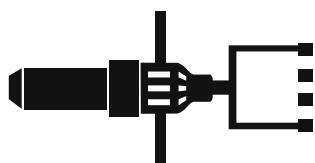
## SEGMENTED DISCS

	MATERIAL	DIAM. (mm)	QUALITY	USE SPEED	ART. CODE	
NEW	UNIVERSAL	115	EVO	80 m/s	G7251 •	1pc
NEW	UNIVERSAL	230	EVO	80 m/s	G7254 •	1pc
NEW	UNIVERSAL	350	EVO	80 m/s	G7257 •	1pc
NEW	UNIVERSAL	400	EVO	80 m/s	G7258 •	1pc
NEW	UNIVERSAL	230	PLUS	80 m/s	G7254 TOP •	1pc

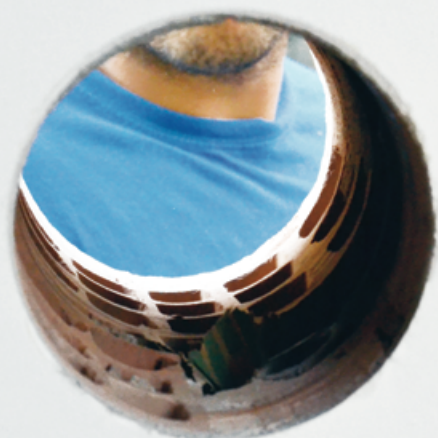


Table for  
choosing  
the right disc  
according  
to the intended  
use.

	QUALITY:	PLUS			EVOLUTION		DYNAMIC
	CROWN TYPE:	CONTINUOUS	CONTINUOUS	SEGMENTED	CONTINUOUS	SEGMENTED	CONTINUOUS
	SPECIFICATIONS:	UNIVERSAL PROFESSIONAL. RESISTANT RELIABLE.	STONEWARE: SPECIFIC FOR STONEWARE. ALSO FOR TILES	TOP: UNIVERSAL PROFESSIONAL. RESISTANT RELIABLE.	FOR CUTTING ALL BUILDING MATERIALS.	REINFORCED CONCRETE.	FOR NON CONTINUOUS USE.
	CUTTING SPEED:	●●●●○	●●●●●	●●●●○	●●●○○	●●●○○	●●○○○
	DURABILITY:	●●●●○	●●●○○	●●●●●	●●●○○	●●●○○	●●○○○
MATERIALS:	SANDSTONE PLATES	●●●○○	○○○○○	●●●●●	●○○○○	●○○○○	●○○○○
	LITTLE REINFORCED CONCRETE	●●●●●	○○○○○	●●●●●	●●●○○	●●●●●	●●●○○
	VERY REINFORCED CONCRETE	●●●●○	○○○○○	●●●●●	●○○○○	●●●●○	●○○○○
	CONCRETE-BRICKS-TILES	●●●●○	○○○○○	●●●●●	●●●○○	●●●●○	●●●○○
	DOUBLE-FIRING CERAMIC	●○○○○	●●●●●	●○○○○	●○○○○	●○○○○	●○○○○
	SINGLE-FIRING CERAMIC	●●○○○	●●●●●	●○○○○	●○○○○	●○○○○	●○○○○
	GRANITE-STONES-PORPHYRIES	●●●●●	●●●●○	●●●●○	●●●○○	●●●○○	●○○○○
	STONEWARE-KLINKER	●●●○○	●●●●●	●○○○○	●○○○○	●○○○○	●○○○○
	MARBLES	●○○○○	●●●●●	●○○○○	●○○○○	○○○○○	●○○○○
	REFRACTORY MATERIALS	●●●○○	○○○○○	●●●○○	●○○○○	●●●○○	●○○○○



# DIAMOND CORE DRILL BITS FOR PORTABLE DRILLING MACHINES AND ACCESSORIES



## SEGMENTED DIAMOND CORE DRILL BITS

	MATERIAL	DIMENSIONS (diam-length) mm	DESCRIPTIONS	USE SPEED	ART. CODE	
NEW	UNIVERSAL	62x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7311 •	1pc
NEW	UNIVERSAL	82x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7321 •	1pc
NEW	UNIVERSAL	102x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7331 •	1pc
NEW	UNIVERSAL	127x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7341 •	1pc
NEW	UNIVERSAL	162x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7351 •	1pc

## ACCESSORIES FOR DRY CORING



### CYLINDRICAL CENTRING DRILLS:

220 mm long for core bits 150 mm long, 270 mm long for core bits 200 mm long, to be used together with the hexagonal, sds and sds max fittings.



### SDS CENTRING DRILLS:

230 mm long for core bits 150 mm long, 260 mm long for core bits 200 mm long, to be used together with the quick adapters.



### HEXAGONAL FITTINGS:

available in various lengths, to be used when dry core bits are used with an M16 fitting on manual drilling machines with rack spindle.



### SDS FITTINGS:

available in various lengths, to be used when dry core bits are used with an M16 fitting on manual drilling machines or anchor bolt inserters with spindle with sds-plus coupling.



### SDS MAX FITTINGS:

only available in the 300 mm length, to be used when dry M16 core bits are used on hammers or anchor bolt inserters with spindle with sds-max coupling. Only use it with core bit diameters greater than 127 mm.



### EXTENSIONS:

available in various lengths and with various threads, they make it possible to drill in depth.



### QUICK ADAPTERS:

they allow mounting and demounting of the centring drill from the adapter with a click. Available for the majority of manual drilling machines on sale. To use with the Sds centring drill.



### ADAPTERS:

comprehensive range of adapters is available for assembling the various core bits on the majority of drilling machines on sale.

83 **MINI DISCS FULL KIT FOR COMPRESSED AIR MACHINES**

COMPLETE RANGE OF PRECISION DISCS FOR CUTTING, GRINDING AND FINISHING (Ø 50 TO 75mm)



85 **STEEL AND BRASS BRUSHES**

FOR STRAIGHT MACHINES AND MANUAL USE



86 **ECO-FRIENDLY CLEANERS FOR METALS**

UNIVERSAL CLEANERS: **CLEANER**  
CLEANERS: **HV CLEANER, INOX CLEANER**  
STAINLESS STEEL FINISHING AND PROTECTION: **SHINOX**



87 **WELDING PRODUCTS**

ANTI-SPATTER GEL FOR NOZZLES: **WELD DYN**  
ANTI-SPATTER SPRAY: **WELD EVO**  
ANTI-SPATTER AEROSOL: **WELD PLUS**



88 **ACCESSORIES**

BACKING PADS WITH CLAMPING FLANGE FOR FIBER DISCS .....  
CLAMPING FLANGE FOR FIBER DISCS .....



PLASTIC SPACERS FOR ABRASIVE DISCS .....  
STEEL FLANGES FOR ABRASIVE DISCS .....  
STEEL SPACERS (3 THICKNESSES AVAILABLE) .....



ADAPTOR RINGS FOR BIG DIAMETER CUTTING DISCS .....



89 **PROFESSIONAL GLOVES AND WELDER APRON**



90 **PACKAGING AND DISPLAYS**

COUNTER DISPLAYS (STEADY AND ROTATING)  
FLOOR DISPLAY  
PATENTED PACKAGING



# KIT

## MINI DISCS FULL KIT FOR COMPRESSED AIR MACHINES



A complete range of mini-discs (Ø 50 to 75mm) for cutting, grinding and finishing of:  
**IRON, STAINLESS STEEL, CAST IRON, NON-FERROUS METALS (ALUMINUM, BRONZE, COPPER) FIBER-GLASS, WOOD, CERAMIC, STONE AND MARBLE.**

Ideal for cutting, grinding and polishing in tight spaces and on complex parts. Especially suitable for high precision works thanks to its extreme handling and practicality of use. Maximum safety!



### **SAFECUT and ZIP HP**

Unequalled cutting tools, very thin, able to perform precision cuts in any position. Unbelievable durability and performances.

### **TURBOTWISTER**

We are the only manufacturers in the world of this semi-flexible grinding wheel. Extremely versatile and effective, aggressive also on aluminum and fiberglass. Suitable for scraping, fast grinding and at the same time excellent finishing. It adapts very well to concave surfaces, inside turbine blades etc...

### **FLAP DISCS**

To be used in light grinding and finishing operations. Excellent for finishing welds in corners.

### **FIBRODISCHI**

Available in various grain sizes, for light removal and finishing operations at any level.

### **SCOTCH-BRITE**

Suitable for paint stripping, light grinding and polishing. Grit sizes suitable for any finishing grade.

### **BLACK CLEANER**

Soft disk, made of a nylon yarn weave with abrasive granules.

Extremely versatile tool, able to remove paint, scrape, remove metal, wood, aluminum, etc. and to bring the worked piece to a medium-high finishing degree.

DESCRIPTION	ASSEMBLING/BORE	ART. CODE	
PNEUMATIC ANGLE GRINDER Ø75 mm	PIVOT 1/4 WHITW.	G5001	1pc
SAFETY GUARD FOR PNEUMATIC GRINDER Ø 75 mm	-	G5003	1pc
PIVOT FOR BORE 9,52 mm	1/4 WHITW. FEMALE 1/4 WHITW. FEMALE	G5004	1pc
PIVOT FOR BORE 9,52 mm	1/4 WHITW. MALE	G5005	1pc
PIVOT FOR BACKING PAD ASSEMBLING	1/4 WHITW. FEMALE 5/16" MALE	G5006	1pc
BACKING PAD Ø50 mm	5/16" FEMALE ROLON FEMALE	G5008	1pc
BACKING PAD Ø75 mm	5/16" FEMALE ROLON FEMALE	G5009	1pc
WRENCH - 17 mm	-	G5011	1pc
SOCKET WRENCH - 13 mm	-	G5013	1pc
WRENCH FOR PIVOT 1/4 WHITWORTH - 11 mm	INCLUDED	G5015	-
GRINDING WHEEL TURBOTWISTER Ø75 mm GRIT 36	BORE 9,52 mm	G0825	50pcs
GRINDING WHEEL TURBOTWISTER Ø75 mm GRIT 60	BORE 9,52 mm	G0835	50pcs
DC THIN CUTTING DISC SAFECUT HP (75x1,0x9,52) A60S	BORE 9,52 mm	G1537	50pcs
DC THIN CUTTING DISC SAFECUT HP (75x1,0x9,52) A60SX	BORE 9,52 mm	G1547	50pcs
FLAT THIN CUTTING DISC ZIP HP (75x1,3x9,52) A60SX	BORE 9,52 mm	G1622 •	50pcs
FLAT THIN CUTTING DISC ZIP HP (75x1,0x9,52) A60SX	BORE 9,52 mm	G1622-1	50pcs
REINFORCED FLAT CUTTING DISC (75x4,0x9,52) A-QX	BORE 9,52 mm	G1812 9,5	50pcs
FLAT CUTTING DISC ZIP HP TYPE (50x1,0x9,52) A60S	BORE 9,52 mm	G1621-1	50pcs
FLAT CUTTING DISC ZIP HP TYPE (50x1,0x9,52) A60SX	BORE 9,52 mm	G1621-2	50pcs
REINFORCED FLAT WHEEL (50x4,0x9,52) A-QX	BORE 9,52 mm	G1811 9,5	50pcs
FLAP DISC Ø50 mm Z 40	ROLON	G2954 •	10pcs
FLAP DISC Ø50 mm Z 80	ROLON	G2958 •	10pcs
FLAP DISC Ø75 mm Z 40	ROLON	G2974	10pcs
FLAP DISC Ø75 mm Z 80	ROLON	G2978	10pcs
SCOTCH-BRITE DISC Ø50 mm MEDIUM (RED)	ROLON	G5212 •	25pcs
SCOTCH-BRITE DISC Ø50 mm VERY FINE (GREY)	ROLON	G5214 •	25pcs
SCOTCH-BRITE DISC Ø75 mm MEDIUM (RED)	ROLON	G5312 •	25pcs
SCOTCH-BRITE DISC Ø75 mm VERY FINE (GREY)	ROLON	G5314 •	25pcs
SCOTCH-BRITE DISC BLACK CLEANER Ø50 mm - THICK. 14 mm	ROLON	G5650 •	25pcs
SCOTCH-BRITE DISC BLACK CLEANER Ø75 mm - THICK. 14 mm	ROLON	G5675 •	25pcs
ABRASIVE CLOTH DISC Ø50 mm GR. 60 AO (GREY)	ROLON	G5812 •	50pcs
ABRASIVE CLOTH DISC Ø50 mm GR. 120 AO (RED)	ROLON	G5815 •	50pcs
ABRASIVE CLOTH DISC Ø 75 mm GR. 60 AO (GREY)	ROLON	G5912 •	50pcs
ABRASIVE CLOTH DISC Ø 75 mm GR. 120 AO (RED)	ROLON	G5915 •	50pcs



**Thin cutting disc Safecut DC:**  
75x1,0x9,52 A60SX



**Thin cutting disc ZIP HP:**  
75x1,0x9,52 A60SX



**TurboTwister**  
Ø75 mm, GRIT 36



**Flap disc:**  
Ø75 mm, GRIT 40



# STEEL AND BRASS BRUSHES FOR STRAIGHT MACHINES AND MANUAL USE

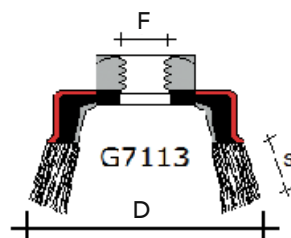
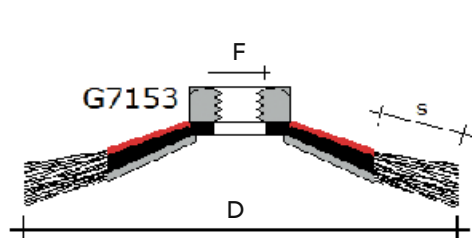
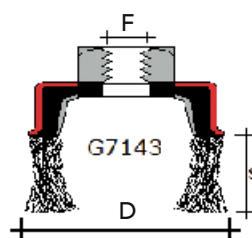
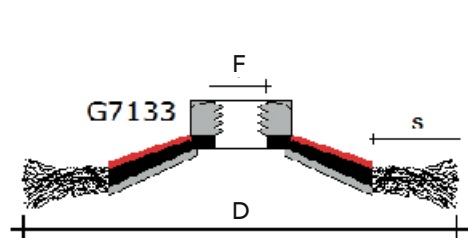


## STEEL AND BRASS BRUSHES

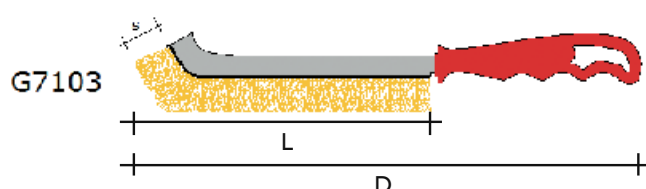
Used for manual works both dry and wet.

Brushes with high-strength steel and brass wire. Brushes with a corrugated line and at short bundles. Strong and aggressive brushes. Maximum safety of use.

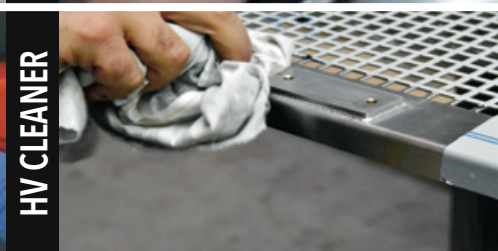
SHAPE	SPECIFICATIONS					ART. CODE	
	(D)	(F)	(bundles n.)	(s)	(Ø of the line)		
CZ95 CONICAL	95	M14	18	20mm	0,50mm/s. steel	G7133 •	1pc
CO90 CONICAL	90	M14	-	20mm	0,35mm/s. steel	G7153 •	1pc
TZ70 CUP	75	M14	18	17mm	0,35mm/s. steel	G7143 •	1pc
T80 CUP	80	M14	-	25mm	0,35mm/s. steel	G7113 •	1pc



SHAPE	SPECIFICATIONS				ART. CODE	
	(D)	(L)	(s)	(Ø of the line)		
MANUAL BRUSH	280mm	130mm	28mm	0,30mm/brass	G7103 •	1pc



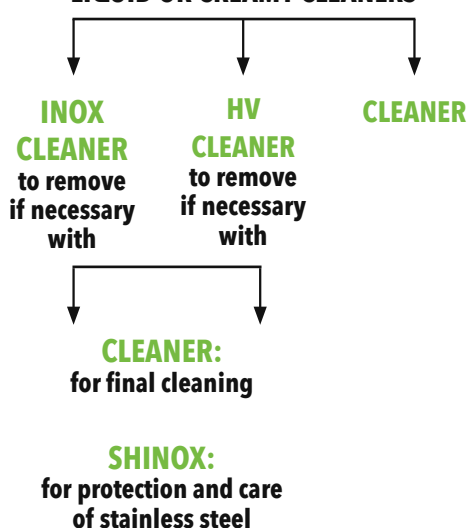
# CLEANERS FOR DEGREASING CLEANING AND POLISHING



## GLOBE "CLEANERS": COMPLETE RANGE OF ECOLOGICAL PRODUCTS TO CLEAN, DEGREASE AND POLISH.

Cleaning, degreasing and polishing products for metal surfaces. The common feature of these cleaning products is their nature: ECOLOGICAL and WITH A VERY LOW ENVIRONMENTAL IMPACT.

### THE GLOBE RANGE OF ECO-FRIENDLY LIQUID OR CREAMY CLEANERS



### CLEANER

Universal product containing natural solvents, for cleaning surfaces from grease and oil. Can be used for the final cleaning of a workpiece or for the cleaning of the part of a piece to be welded. It does not leave any residues. It is the ideal ecological alternative to NITRO thinner, with the following advantages: no smell, more comfort in use, same cleaning efficiency, non-flammable, environmental-friendly. Spray and remove with a cloth or paper. The more product is used, the better the result. It is very important to let it act for a few minutes before removing it.

### INOX CLEANER

Especially conceived for cleaning stainless steel, to be used on very dirty surfaces, corruptions, encrustation and rust from contact with a rusty piece. Waterbased product, with an internal micrograin of aluminum oxide (corundum) combined with citric acid (one of the most common acids in vegetable organisms) and phosphoric acid (used in the food industry as an acidity regulator and in dental industry to produce toothpastes for teeth whitening). The abrasive action of corundum micrograin and acid, makes it very similar to an abrasive paste. To get a more accurate cleaning, use the special manual pad (see picture above). Once treated with INOX CLEANER, clean the piece with CLEANER or rinse with water.

### HV CLEANER

Highly concentrated product, with the same consistency of a liquid soap (HV = High Viscosity), for cleaning very dirty surfaces. Useful to remove oils, grease, wax, fresh paint. Depending on the dirt to be removed, you can decide whether to dilute with water or not. The more dirty the material, the more concentrated the product should be. Being an oily product, it needs to be removed with a degreaser such as CLEANER. Spray and remove with cloth or paper. The more product is used, the better the result. It is very important to let it act for a few minutes before removing it.

### SHINOX

This product was especially conceived for the treatment and care of stainless steel. It is a water-based product to be sprayed on the piece after cleaning. It removes any residues, degreases and leaves a protective, dry and shiny film. Its priority is to make the piece shiny and protect it. Spray and remove with a cloth or paper. The more product is used, the better the result. It is very important to let it act for a few minutes before removing it.

	NAME	PACKING	TYPE OF PRODUCT AND USE	ART. CODE	
NEW	CLEANER	BOTTLE	UNIVERSAL CLEANER	GC0110 •	1pc
NEW	INOX CLEANER	BOTTLE	LIQUID SOAP FOR STAINLESS STEEL	GC0120 •	1pc
NEW	HV CLEANER	BOTTLE	CONCENTRATED CLEANER	GC0130 •	1pc
NEW	SHINOX	BOTTLE	PROTECTIVE POLISHING CLEANER	GC0140 •	1pc

• = articles always in stock

# WELDING ANTI-SPATTER PRODUCTS



## WELD: GLOBE PRODUCT RANGE FOR WELDING SUPPORT

3 products connected to the world of welding, working as ANTI-SPATTERS: they prevent weld spatters from sticking to the torch nozzle or to the surrounding areas of the piece to be welded. Having the same purpose, each one is characterized by its own special features.

	NAME	PACKING	TYPE OF PRODUCT AND USE	ART. CODE	
NEW	<b>WELD DYN</b>	TIN	Anti-spatter gel for nozzles (torch dipping)	GC0010 •	1pc
NEW	<b>WELD EVO</b>	BOTTLE	Anti-spatter spray (around the surface to be welded)	GC0020 •	1pc
NEW	<b>WELD PLUS</b>	SPRAY	Anti-spatter aerosol (to spray into the torch)	GC0030 •	1pc



WELD DYN

### WELD DYN

Gel similar to grease/vaseline. Dip a few centimeters the hot welding torch into the grease (contained in the tin can) that drips and goes into the nozzle. It creates a protective film preventing weld spatters from sticking to the nozzle. Its effect lasts a few minutes. The can has a magnetic pad allowing to stick it to metal surfaces (also vertically) thus avoiding that it remains attached to the torch when taking it out of the grease.



WELD EVO

### WELD EVO

Spray suitable both for stainless steel and carbon steel. Spray it on the surrounding area of the piece to be welded to prevent welding beads from sticking to the metal piece. As its action lasts a few seconds, it is recommended to use it frequently. It can also be used on the torch nozzle, preventing its obstruction. After use, remove it from the surface with GLOBE "CLEANER".




WELD PLUS

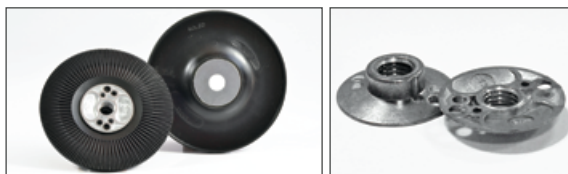
### WELD PLUS

Aerosol to spray on the welding torch. It creates a white protective ceramic surface preventing the accumulation of welding spatters on the nozzle. Its effect lasts some hours. Its non-stick effect is given by the white layer that avoids the direct contact between weld spatters and the metal of the nozzle. WELD PLUS has an excellent performance, very appreciated by professional welders.


# ACCESSORIES

The **GLOBE BACKING PADS FOR FIBERDISCS** are built with a mix of plastic materials and with such a geometry to give the right flexibility to work properly and maximising the performance of the abrasive fiberdisc. Flexibility remains constant also with temperature changes. Clamping flanges, subject to a greater consumption, are available also separately.

DIMENSIONS (diam.) mm	DESCRIPTION	ART. CODE	
115	BACKING PAD FOR FIBERDISC	G3400 115	1pc
125	BACKING PAD FOR FIBERDISC	G3400 125	1pc
	CLAMPING FLANGE		1pc



**GLOBE STEEL SPACERS**, available in 3 different heights, adapt to all machines available on the market. Shaped like the plastic spacers but higher can be used for all types of abrasive wheels. By choosing the correct height, it is possible to position the abrasive disc in a convenient way (be careful that the disc is always included inside the safety guard of the grinding machine). Useful for grinding discs and depressed center cutting discs to take the working part of the wheel in the most comfortable and convenient position for a precise and effective work.

DIMENSIONS (thick) mm	DESCRIPTION	ART. CODE	
12	SPACER FOR TURBOTWISTER	G0800-12	1pc
16	SPACER FOR TURBOTWISTER	G0800-16	1pc
18	SPACER FOR TURBOTWISTER	G0800-18	1pc




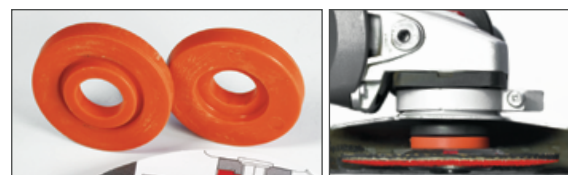
The new **STEEL FLANGES** were conceived to be used with semi-flexible discs and depressed center cutting discs. They allow to perfectly mount the disc and to position it in the most convenient way for working. The telescopic clamping flange guarantees a perfect balance without vibrations.

DESCRIPTION	ART. CODE	
SET OF STEEL FLANGES FOR FLEXECELENCE (BORE M14)	G3330 DIS M14	1pc
SET OF STEEL FLANGES FOR FLEXECELENCE (BORE 5/8-11)	G3330 DIS 5/8	1pc



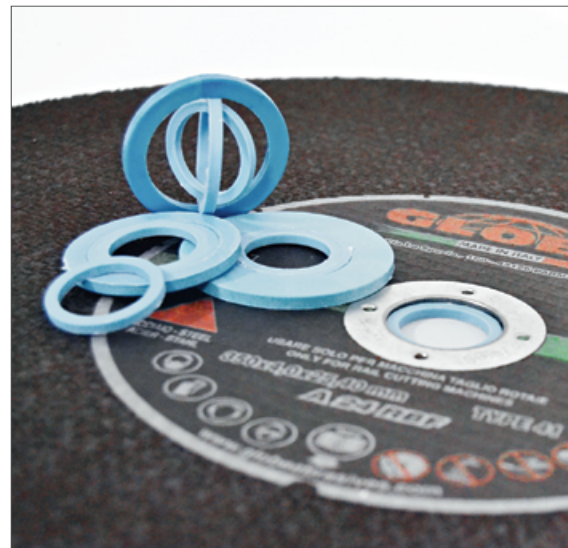
The **PLASTIC SPACER** are a practical and economical solutions for the use of some products which, in order to work to the best, need to be positioned more near the edge of the safety guard (depressed center cutting discs, FLEXECELENCE semi-flexible discs and TURBOTWISTER). They are supplied free of charge in every packaging of the above mentioned products but, if necessary, they are also supplied separately.

DESCRIPTION	ART. CODE	
PLASTIC SPACER FOR FLEXECELENCE (BORE M14)	G3330 SPA M14	5pcs
PLASTIC SPACER FOR FLEXECELENCE (BORE 5/8-11)	G3330 SPA 5/8	5pcs



**ADAPTOR RINGS FOR BIG DIAMETER CUTTING DISCS** plastic adaptor rings to adapt (when necessary) the disc bore to the relevant pivot (shaft) of the machine.

ADAPTOR RINGS	ART. CODE	ADAPTOR RINGS	ART. CODE
mm 20/16	RIDUZ20/16	mm 30/22	RIDUZ30/22
mm 22/12	RIDUZ22/12	mm 30/25	RIDUZ30/25
mm 22/16	RIDUZ22/16	mm 35/28	RIDUZ35/28
mm 22/20	RIDUZ22/20	mm 40/22	RIDUZ40/22
mm 25.4/12.7	RIDUZ25.4/12.7	mm 40/25	RIDUZ40/25
mm 25.4/16	RIDUZ25.4/16	mm 40/30	RIDUZ40/30
mm 25/19	RIDUZ25/19	mm 40/32	RIDUZ40/32
mm 25/20	RIDUZ25/20	mm 40/35	RIDUZ40/35
mm 25/22	RIDUZ25/22	mm 50/22	RIDUZ50/22
mm 29/22	RIDUZ29/22	mm 50/25	RIDUZ50/25
mm 30/16	RIDUZ30/16	mm 50/30	RIDUZ50/30
mm 30/20	RIDUZ30/20	mm 50/32	RIDUZ50/32
		mm 50/35	RIDUZ50/35
		mm 50/40	RIDUZ50/40



# PROFESSIONAL GLOVES AND WELDING APRON



	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	ANTI-SLIP BLACK GLOVES	TG.08	G4901 08 •	PAIRS	10pcs
NEW	ANTI-SLIP BLACK GLOVES	TG.09	G4901 09 •	PAIRS	10pcs
NEW	ANTI-SLIP BLACK GLOVES	TG.10	G4901 10 •	PAIRS	10pcs
NEW	ANTI-SLIP BLACK GLOVES	TG.11	G4901 11 •	PAIRS	10pcs



Nylon gloves: seamless, covered by nitril rubber, perfect grip also on oily surfaces, excellent resistance to abrasion, aerated back.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	CUT RESISTANT GLOVES (GREY)	TG.08	G4902 08 •	PAIRS	10pcs
NEW	CUT RESISTANT GLOVES (GREY)	TG.09	G4902 09 •	PAIRS	10pcs
NEW	CUT RESISTANT GLOVES (GREY)	TG.10	G4902 10 •	PAIRS	10pcs
NEW	CUT RESISTANT GLOVES (GREY)	TG.11	G4902 11 •	PAIRS	10pcs



High-performance polyethilen (HPPE) gloves covered by grey polyurethane, excellent cut resistance, aerated back. EN 388 level 5.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	WHITE FULL GRAIN LEATHER GLOVE	TG.09	G4903 09 •	PAIRS	10pcs
NEW	WHITE FULL GRAIN LEATHER GLOVE	TG.10	G4903 10 •	PAIRS	10pcs



Driver glove, soft bovine, full grain leather, high quality.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	WELDER / GRINDER GLOVE	TG.09	G4904 09 •	PAIRS	10pcs
NEW	WELDER / GRINDER GLOVE	TG.10	G4904 10 •	PAIRS	10pcs

Bovine crust leather gloves especially padded and reinforced to protect operators during welding and grinding.



	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	WELDER APRON	70x90cm	G4900 •		10pcs



## PACKAGING AND DISPLAYS



### GLOBE PACKAGING

**PATENTED**

GLOBE is proud to present the exclusive line of cylindrical boxes. This original solution, conceived and patented by GLOBE, gives an immediate perception of the quality as well as a modern and professional look. The protection offered by these solid and resistant boxes is higher than traditional cardboard boxes.

Caps are always sealed with an easily removable tape. Boxes with the same diameter can be stacked by making goods' storage easier and tidy. Materials used are 100% recyclable, but these boxes often find a second life in workshops to contain various objects, making a "plus" of the GLOBE product.

*The interlocking stackable cap and bottom of GLOBE boxes allow a better preservation of the product and a perfect and stable stackability.*

### FLOOR AND COUNTER DISPLAYS

In support of its production, GLOBE makes available some counter and floor displays for its customers. The floor display is conceived by a famous designer of Milan, and it is made by a solid steel thin sheet, with special attention to detail and equipped with a comfortable ground drawer. It immediately draws attention with a pleasant and modern look presenting GLOBE production at best. The back multi hole panel allows to position the supports on the desired configuration adapting to contain and support all types of wheels and other GLOBE products.

Counters displays, available both in the steady and rotating version. Comfortable and practical to show discs and let them be touched by customers.



*Rotating counter display: perforated sheet metal like the floor display. Can hold 12 discs' types (6 each side) of 115/125 mm. Practical, very capacious and not bulky: 18x30 cm.*

*Stainless steel counter display.*

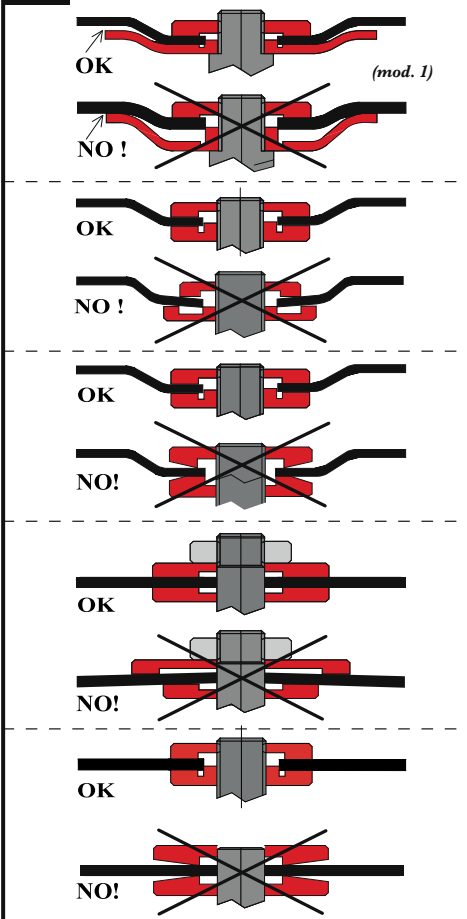
*Dimensions: 45x24 cm with 6 slots for discs from 115 to 125 mm.*

*Thin sheet floor display.*

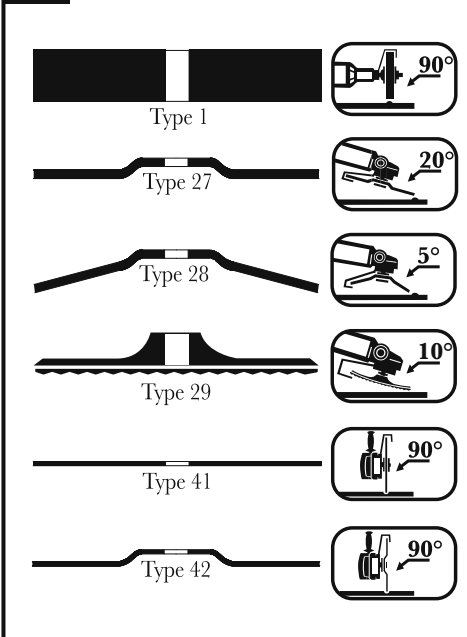
*65x42x192 cm composed by: 1 perforated wall, 3 shelves 2 side edges, 1 base with drawer.*



TAB. 2



TAB. 3



TAB. 4



# OPERATING AND SAFETY INSTRUCTIONS FOR THE USE OF RESIN-BONDED, RIGID AND SEMI-RIGID ABRASIVE PRODUCTS. READ CAREFULLY AND SHARE WITH ALL OPERATORS.

Abrasive wheels can generate dangerous situations and/or create accidents. Read carefully the following information and the labels' indications; operators must be instructed to use abrasive product; operators must comply with the laws and decrees of their country and the safety/operating instructions of the machines on which abrasive wheels are mounted. Do not allow untrained/incompetent operators to use abrasive wheels. For further information and to consult the MSDS (Material Safety Data Sheet), visit [www.globeabrasives.com/safety](http://www.globeabrasives.com/safety) and contact us at [www.globeabrasives.com/contacts](http://www.globeabrasives.com/contacts). Abrasive wheels are relatively fragile: handle and use with care. The use of damaged, altered, excessively worn wheels, the use for applications other than the ones for which they were manufactured, the use on different materials than those for which they were designed and the non correct installation can cause accidents, damages and serious injuries to persons. Cutting, grinding and polishing applications can free hazardous contaminants in the air. Use appropriate powder/fumes suction systems and wear protection devices for respiratory tract.

## RECALLS ON PRODUCTION BATCHES.

Before using an abrasive product, check the website [www.globeabrasives.com/recalls](http://www.globeabrasives.com/recalls), and, following the instructions, verify if the product is part of a recalled batch. Should this be the case, do not use the product, isolate it and all the other wheels coming from the same box/batch and contact our customer service.

## EXPIRY.

Lifetime of resin-bonded abrasive wheels is 3 years from production date if reinforced (BF on label) or 2 years if without reinforcement (B on the label). The expiry date can be shown on the boxes, on the central metal hub or through cuts on the label perimeter. Never use expired wheels. These wheels are manufactured according to the following norms: EN12413 (Europe), ANSI B7.1 (USA), AS 1788.1 (Australia), OSA (Organization for the Safety of Abrasives).

## CHECKING, TRANSPORT, HANDLING AND STORAGE.

Verify packaging damages; refuse damaged packagings; handle with care and avoid shocks; store at temperatures between 5°C (41°F) and 45°C (113°F). Don't expose to humidity over 65%; do not expose wheels to frost and high humidity conditions, water or chemical products such as solvents. Always use oldest wheels, but make sure they are not expired. For a correct choice, consult our catalogue or our guide at: [www.globeabrasives.com/selection](http://www.globeabrasives.com/selection).

## WHEEL INSPECTION.

Before mounting the wheel, make sure it is not cracked or damaged. Do not use wheels if damaged (fig.7) or expired. Carry out a sound check by striking one side of the disc with a non metallic object (screwdriver handle). If the sound is damp and not clear, reject the wheel. Do not use wheels that were exposed to too high/too low temperatures/humidity or that have been artificially or accidentally wet.

## MACHINE INSPECTION.

Check flanges, backing pads, support pivots and adapters. Make sure the grinder is suitable for the type of work to be made and that the wheel is adequate for the grinder. Always use with suitable safety guard (fig.6). Always direct the open part of the safety guard to a direction opposite to the operator and make sure the safety guard is adjusted and firmly locked. Keep machines in an efficient state. Do not use grinders that do not show their rotating speed on their plate.

## EYES, FACE AND BODY PROTECTION.

Use eye and face protections as masks, screens and glasses (fig.2). Wear hats or head protection, heavy leather apron, safety shoes, tight fitting clothes. The noise generated by the wheels can exceed 80 dBA. A prolonged exposure can cause permanent damages to hearing. Use ear protection such as earplugs and anti-noise screens (fig.3). The vibrations generated by the wheels can cause damages to the human body. Adopt work turnover and resting breaks. Carry out a specific evaluation of the noise and vibrations risk and adopt suitable protection and precautions. Wear protective gloves that fully cover also wrists (fig.4).

Carry out an evaluation of the physical, chemical risks associated with the use of abrasive products and adopt suitable precautions and protective measures. Protect the respiratory tract: use masks with special filters, air respirator systems, protective measures of the working environment such as ventilation systems, filtration and powder/fume suction (fig.5). Nearby personnel must be protected with all the above precautions/measures.

## ASSEMBLY INSTRUCTIONS.

Follow the assembly instructions supplied with the machine and the use restrictions shown on the wheel label (fig.1). Make sure the maximum turning speed (RPM) of the machine is always, in any operating condition, lower than or equal to the speed shown on the wheel label. A transversal coloured stripe on the wheel label indicates also its operating peripheral speed according to the following scheme: TAB.1:

Blue	up to 50 m/s	Yellow	up to 63 m/s
Red	up to 80 m/s	Green	up to 100 m/s

TAB.1

Check that dimensions and shape of the wheel correspond to those allowed for the machine. Check that the wheel is wholly contained within the safety guard of the grinder. Do not modify the clamping flanges. Do not mount more than one wheel in the spindle. Before mounting or dismounting an abrasive wheel, disconnect the power supply (electric energy, compressed air, etc.). Do not force wheels during assembly. Avoid clamping with too tight tightening torque. Once the wheel is installed, make sure that it rotates freely by turning it by hand.

Check the presence, correct installation and securing of the safety guard. Connect the power supply, start the machine and make it turn for at least 30". During this test, do not keep the open area of the safety guard oriented towards the operator and other personnel. In case anomalies, excessive vibrations, irregular rotation should occur, let the grinder stop naturally, disconnect power supply, remove the wheel and check its assembly. If the problem persists, reject the wheel and inform the supplier of the problem. Some types of wheels can be supplied with mounting blotters that have to be mounted between the flanges and each side of the disc to compensate slight irregularities of surfaces between flanges and wheels.

## CLAMPING FLANGES.

Make sure the flanges are flat, clean and smooth. Always use suitable flanges TAB.2. Flanges must have the same diameter and the same shape (recesses) towards both faces of the wheel; make exception the raised hub flanges (mod. 1 of TAB.2).

Flanges diameter: for cutting and grinding wheels is normally equal to 1/3 of the wheel diameter.

Exceptions: reinforced depressed center grinding wheels (Type 27), reinforced conical (Type 28), semi-flexible reinforced (Type 29), reinforced depressed centre cutting wheels (Type 42) and flat (Type 41) up to diameter 230mm, that must have the following flanges diameters:

- 19mm (wheel diameter ≤ 100mm and bore ≤ 10mm)
- 32mm (wheel diameter ≤ 100mm and bore between 10 and 16mm)
- 41mm (wheel diameter between 100 and 230mm, bore 22.23mm).

## INDICATIONS SHOWN ON WHEEL LABEL.

Specifications characterizing the wheel: wheel dimension; Type of abrasive (A, Z, C, SG); granulometry of the abrasive (16,...,100) expressed in Mesh.

Hardness: scale of toughness shown with letters from A (very soft) to Z (very hard). Resin binder shown by "B" and reinforcement structure shown by "F" on label.

Maximum allowed turning speed (RPM) and maximum allowed peripheral speed (m/s): the most common peripheral speeds are 50-63-80-100m/s.

Reference norms: EN12413, EN13743, ANSI B7.1, etc.

Indications on the workable materials: steel, aluminum, cast iron, stainless steel, stone, marble, etc.

Shape types TAB.3: (Type 1) straight grinding wheel; (Type 27) depressed centre grinding wheel; (Type 28) conical grinding wheel; (Type 29) depressed centre semiflexible grinding wheel; (Type 41) flat cutting wheel; (Type 42) depressed centre cutting wheel.

Pictograms TAB.4: from fig.1 to fig.7 explained above; (fig.8) do not use for side grinding; (fig.9) do not use on portable machines (wheels made only for stationary machines); (fig.10) not suitable for wet grinding/cutting; (fig.11) only suitable for wet grinding/cutting.

## USE INSTRUCTIONS AND RESTRICTIONS.

Use the abrasive wheels only and exclusively on materials, purposes and machine types they have been designed for; do not use cutting wheels (Ex.Type 41 and 42) for grinding purposes and do not apply side loads on them; always hold the grinder with both hands, grind or cut progressively, slowly and delicately; do not apply too much pressure on the wheels; do not make curved cuts; do not use the disc's side for grinding if not expressly indicated (Ex. Type 1); do not cut or grind pieces subject to forces or pressures that could be released due to these operations; remove all combustible, flammable or explosive materials from the working area. Firmly fix the work pieces before starting to work.

Dispose of the products according to the National laws in force in your country.



# CONTACTS

## INDUSTRIA ABRASIVI PARMENSE - GLOBE s.r.l.

### PRODUCTION SITE AND ADMINISTRATIVE OFFICES

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