



GLOBE

MADE IN ITALY

since
1961

GENERAL CATALOGUE

 ENGLISH

HISTORY



Dr. Prof. Celestino Fikai



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



Dr. Eng. Paolo Fikai

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

The Industria Abrasivi Parmense, subsequently evolved with the commercial brand GLOBE, originates in 1961 from an idea of the brothers Paolo and Pietro Fikai, which 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 of the Faculty.

Prof. Celestino's researches mainly focused on industrial ceramics, which at the time was growing in the 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 road, Parma (ITALY).

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



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

In 1971, Eng. Giovanni Fikai joined the company, moving the production in the new factory in 160 La Spezia street, and where it widened over time until to reach 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 the improvement of the product and at the automatic 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 featured by a strong design originality thanks to the deep knowledge of production problems, which continues even today.

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



Dr. Pietro Fikai



Dr. Eng. Giovanni Fikai



Dr. Eng. Paolo Fikai

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COMPANY



TYPE 41

20 **FLAT THIN CUTTING WHEELS**
 (FOR PORTABLE ANGLE GRINDERS)



TYPE 41



TYPE 01

22 **FLAT STANDARD CUTTING WHEELS**
 (FOR PORTABLE ANGLE AND STRAIGHT GRINDERS)



TYPE 42

24 **DEPRESSED CENTER THIN CUTTING WHEELS**
 (FOR PORTABLE ANGLE GRINDERS)



TYPE 42

26 **DEPRESSED CENTER STANDARD CUTTING WHEELS**
 (FOR PORTABLE ANGLE GRINDERS)



TYPE 41



TYPE 42

29 **CUTTING WHEELS Ø>230mm**
 30 FLAT STANDARD (STATIONARY MACHINES)
 32 FLAT - **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)



CUTTING



TYPE 42

38

COMBI SPEED

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



TYPE 42

39

COMBI EXTRA

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



TYPE 42

40

PIPELINER

DEPRESSED CENTER STANDARD WHEELS FOR CUTTING AND WELDING PREPARATION (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 FRONTAL 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 DISC FOR FLAT GRINDING (FOR PORTABLE ANGLE GRINDERS)



TYPE 28

50

CONE - SAUCER GRINDING WHEEL

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



WHEEL FOR STRAIGHT AND BENCH GRINDERS

51

CERAMIC BONDED CORUNDUM SHAFT-MOUNTED WHEEL (FOR PORTABLE STRAIGHT GRINDERS)



52

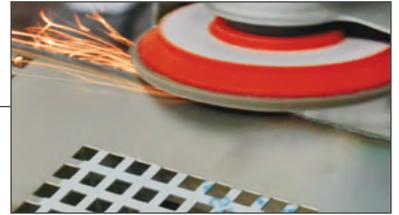
ABRASIVE BENCH WHEELS



55 **FLAP DISCS WITH FIBERGLASS SUPPORT**
(FOR PORTABLE ANGLE GRINDERS)



57 **FLAP DISCS WITH PLASTIC SUPPORT**
(FOR PORTABLE ANGLE GRINDERS)



FLEXIBLE ABRASIVE FOR FINISHING

62 ABRASIVE CLOTH (BELTS, SHEETS, MINI ROLLS AND ROLLS)
64 ABRASIVE PAPER (ROLLS AND SHEETS)
65 SHAFT MOUNTED FLAP DISCS
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67 FIBRE DISCS



FLEXIBLE ABRASIVE FOR POLISHING

70 FLAP DISCS (NON-WOVEN+CANVAS): **FINISHING PRO**



71 SHAFT-MOUNTED FLAP WHEELS
(NON-WOVEN, NON-WOVEN+CANVAS)
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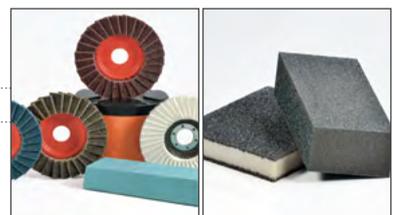
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COUNTER DISPLAY
FLOOR DISPLAY
PATENTED PACKAGING



SINCE 1961, WE DESIGN AND PRODUCE INNOVATIVE AND HIGH QUALITY PRODUCTS FOR YOUR WORK

NEWS

NEW PRODUCTS



Since 1961 **I.A.P. GLOBE** develops and produces abrasive tools with a high innovative and quality value, realized with equipments internally designed and availing of proprietary and patented technologies.



TYPE 41



TYPE 42



HP-ONE

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

X-CELLENCE ONE

TOP OF THE LINE

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



PLUS 

CUTTING

pag. 20
pag. 24

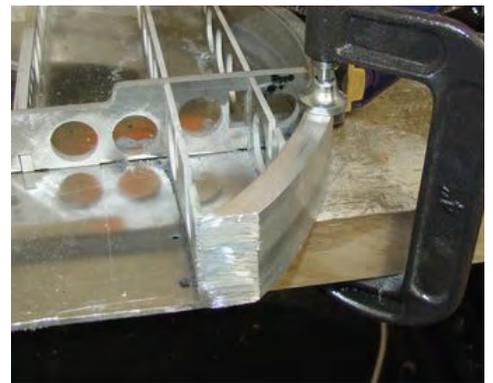


TYPE 41



TITANIUM

A special subtle cutting disc, precise and high-performing, tailored for the Titanium processing.



PLUS 

CUTTING

pag. 21



TYPE 41



EVOLUTION

A line with an excellent value for money.



EVO 

CUTTING

pag. 21



TYPE 42



PLUS  CUTTING

pag. 24

THIN CUT

A special **ultra thin** disc for the building, designed to replace easily and quickly the tiles avoiding the breaking of the adjacent ones.



TYPE 41



TYPE 41



PLUS  CUTTING

pag. 33

RAILCUT II LONG LIFE

Discs for rails with a very long life.

RAILCUT II FASTCUT

Disc for the fast cutting of rails.



TYPE 42



PLUS  CUTTING GRINDING

pag. 38

COMBI SPEED

Thin cutting and light grinding with only one disc.



TYPE 27



PLUS  GRINDING

pag. 42

GRIND POWER III

The grinding disc with a high capacity of removal and equipped with an innovative system for the reduction of vibrations and noises for a better comfort of use.

(PATENTED).



TYPE 29



PLUS  GRINDING

pag. 46

FLEXCELLENCE

Semi-flexible fiberdisc without backing pad. Operations under control working with precision, maximum comfort and high productivity.





TYPE 29



NEW TURBOTWISTER

The semi-flexible disc, precise, fast and absolutely comfortable when using. (PATENTED).

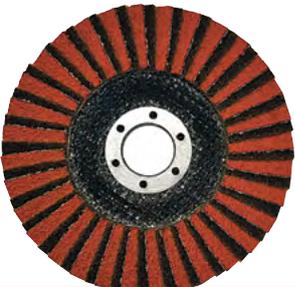


PLUS GRINDING

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ABRASIVE FLAP DISCS



FINISHING PRO

Finishing in only one passage.



FINISHING

pag. 70



DIAMOND DISCS AND CORERS

Line of diamond tools for the cutting and the coring of: marbles, bricks, reinforced concrete, granites, tiles...



DIAMOND TOOLS

pag. 79



DETERGENTS AND POLISHING PRODUCTS FOR METALS

Innovative and environmentally friendly detergents for the cleaning and polishing. Specific for metals, in particular for stainless steel.



CLEANING

pag. 84



WELDING PRODUCTS

Innovative anti-spatter and environmentally friendly products for the welding.



WELDING

pag. 85

INNOVATIVE AND QUALITY PRODUCTIONS MADE IN ITALY



The production plant in Parma.

Nowadays, GLOBE boasts fully automatic and absolutely precise mixing systems, 3 tunnel ovens for a co-oking capacity of over 40 millions pieces/year, an automatic press fleet able to produce any type of resinoid bonded discs with a diameter from 30 to 800 mm, in addition to an internal laboratory for the tests of raw materials, and a testing section for checking the safety parameters and the product performances. Research and development go on, tirelessly towards the continuous improvement of the quality and to obtain a greater 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 is characterized by the development of discs for the applications and special materials such as test pieces cut, discs for robotic plants, rail cut, petrochemical sector, processing of aluminium, titanium and other special alloys.

GLOBE, through a know-how handed down from 1961, and thanks to the wide and big productive flexibility, is able to supply in a short time (and with the highest quality levels) products expressly designed for customer's needs and for the various uses.

OUR AIMS

- High products performances
- Good value for money
- Maximum safety
- Excellent product reliability
- Continuous innovation
- User-friendliness and comfort
- Efficient sales service
- After-sales customer service
- Environmental protection

HOW WE OBTAIN THEM

- Selected raw materials, know-how, research and innovative productive technologies
- Continuous controls during all production phases
- Internal production of plants and machines
- More than 55 years of experience in this sector
- 4 generations of engineers and chemist
- Portfolio of international patents
- Constant engagement research and development
- Innovative productive machines and technologies
- Efficiency and speed in deliveries



The logistic/production plant in Rubbiano.

THE MISSION



TO STAND OUT:

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



TRADITION:

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



SAFETY AND QUALITY GUARANTEE:

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



GLOBAL VISION:

to pursue a global vision through the diffusion in all mainlands, always keeping attention and adapting to the specific needs of the different markets.



SERVICE:

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



SPECIALIZATION:

through products expressly studied for every sector: mechanical, oil, railway, chemical, building, naval, aerospace, etc.



INNOVATION:

to devote to a continuous research and development aimed at the improvement of the product.



VALUES:

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



SUSTAINABILITY AND ENVIRONMENTAL PROTECTION:

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

THE SAFETY



(Pic. 1-4) Machines for the tests:

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

GLOBE always pays attention on the safety: during the production, check and use of the product, and attaching to every packaging a complete and detailed manual about the way of storage and use (picture 6), to support the customer in his work with a total safety. Similarly, a wide area of the website www.globeabrasives.com is dedicated only to the safety, to give additional information, safety data sheet, possible lot called back, contacts to receive every type of information and links to the associations, international institutions about the different aspects of the safety.

GLOBE is a member of **FEPA** and **OSA**, the associations grouping the best producers of abrasives in the world. The **FEPA** and **OSA** members produce high quality abrasives of any type: rigid, flexible, non-woven, super abrasive... for every sector and business (automotive, aerospace, building, etc.), in compliance with strict regulatory protocols of safety. Safety means also to adopt some simple rules from the user; in particular, we recall:

- to use the discs wearing the prescribed personal protective equipments (gloves, goggles, noise-canceling headset, etc.);
- to use appropriate machines and equipped with a protective casing;
- to read and to adopt all safety measures quoted on the package leaflet.



(Pic. 6) GLOBE package leaflets and safety data sheets present in the packaging. The same indications are mentioned at the end of this catalogue.



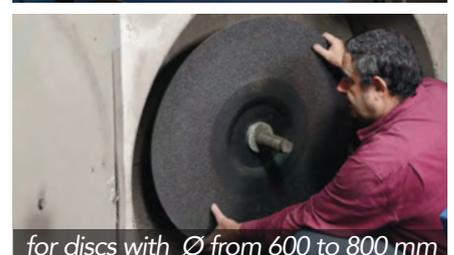
for discs with Ø from 50 to 230 mm



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 test of lateral load and impact test.



GLOBE CERTIFICATIONS



GLOBAL QUALITY



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

A big attention is always dedicated to the chemical and mechanical safety of the products for safeguarding and protection of the users. A prerogative of GLOBE products is the involvement and the responsibility of the workers, obtained through a traceability system, which allows going back anytime and throughout the period of validity of every wheel to: day, month, year of production, and to all staff involved in the phases ranging from the pressing to the check and shipping. Every phase of the production process is checked and entered: the check of the incoming raw materials, the checks of the mixtures during the production, the pressing, the registration of the polymerisation cycle, the tests, and the inspection before the packaging.

In particular, the tests of the production batches and the visual checks are daily carried out with certified machines, and everything is registered in order to guarantee a very high safety level.

All documents are stored as security for a total traceability of every wheel produced by us. This careful and conscientious management allowed us to obtain the ISO 9001 certification for many years already. Moreover, since the early 2000s, GLOBE was admitted in the OSA association (Organization for Safety of Abrasives) between the first producers. Through rigid and binding regulations, OSA guarantees a high standard of product safety to protect the user.

Furthermore, GLOBE fulfils 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 abrasive discs and wheels certified for application in nuclear plants in accordance with the different requirements required by the nations.



OSA certification



ISO 9001 certification



Nuclear certification

TO WORK WITH THE ABRASIVE WHEELS: QUALITY, KNOWLEDGE, TECHNIQUE AND RESEARCH ARE THE BASIS OF GLOBE PRODUCTIONS



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



Flexcellence:
self-supporting fiberdisc
with a high removal and life.
It gives a big comfort of use and a
good working precision.

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

Continuous researches and improvements allow widening more and more the range of discs selectively extolling their performances for different works to carry out, and for different materials on which to use them. An example is the development of the thin cutting wheels (thickness included 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 carrying out a cold cut avoiding the hardening of the materials for self-quenching (common phenomenon using the cutting discs thicker than 2,5/3,2 mm) as well as to reduce the formation of burrs on the cut section.

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

Just to mention some of them:

- the patented boxing system the wheels, unique in the world (cylindrical boxes made of plastic or cardboard), which preserves and protects in the better way the wheel from ageing factors and degradation;
- the numerous products placed on the market by GLOBE, tools able to give to the users innovative solutions and better performances as for example:

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

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

THE INGREDIENTS OF THE WHEEL

The abrasive wheels are composed by 3 main elements (obviously, in addition to the label and to the metal central washer):

1. **cutting active element:** the abrasive granules;
2. **binding element:** the resins, which polymerizing in appropriate ovens for the polymerization, bind and hold together the manufactured article;
3. **strengthening elements:** they are the fiberglass strengthening nets used to increase the resistance of the product, reaching high rotation speed in complete safety.

1 - THE ABRASIVES

GLOBE always uses abrasives produced by the best European producers; these abrasives guarantee high performances and constancy of the physical/chemical parameters. The abrasives are the hardest materials in Mohs scale. Thanks to this feature, they are able to scratch softer materials like the metals and the stone. Lots of little granules, which collectively scrape off and give birth to the cut and grinding effect at a 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.

Alumina Zirconia (pic. 3):

it has a high toughness and 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):

the silicon carbide is one of the most sharp abrasives, and it is suggested for the processing of non-ferrous metals, stones, refractory marbles, etc... The high friability and strength make it irreplaceable in the processing of hard metals like the stone.

Sol gel or ceramic abrasive (pic. 7):

this abrasive is produced through the sintering (no electrofusion), and it is the most valuable and performing abrasive as well as the most expensive. It has a limited use in the sector of abrasive wheels, precisely for its high cost; in any case, it offers a good quality of cutting and abrasion.

It performs best in the sector of abrasive papers and canvas where it is possible "to stick" the granule at the canvas in a strong way, extolling its cutting capability.

These are only some 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 resin (but also phenolic modified resin), with different powders and with specific additives, give the wheels their special working properties making them more or less suitable for the different applications.



brown corundum
grit 30

1



ceramic-coated brown
corundum grit 36

2



alumina zirconia
grit 30

3



semi-friable corundum
grit 30

4



white corundum
grit 30

5



silicon carbide
grit 30

6



ceramic-coated abrasive
grit 30

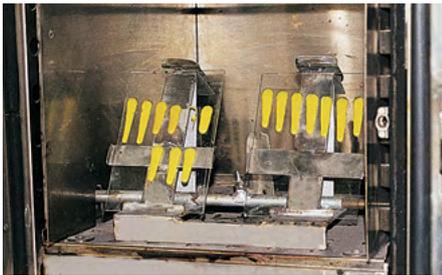
7



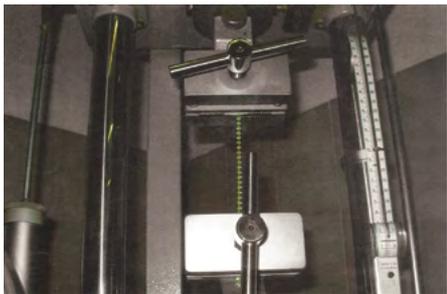
PH metric titration of resin powder.



Titration of chemical compounds. Determining the viscosity.



Scroll test for phenolic resins powder.



Yarn resistance test of the strengthening nets.



Strengthening nets: some type of nets present in 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:

coarse grit	12-14-16-18-20-22-24
medium grit	30-36-40-46-50-54-60
fine grit	70-80-90-100-120 and more

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 - THE BINDING RESIN

The resins used by GLOBE are produced only by European producers, selected over time for their reliability to supply products with high capabilities and to keep the strict physical/chemical requirements necessary for the production of quality wheels.

The binding resin has the task to agglomerate the abrasive granules and the strengthening nets in a solid body. The most used resins are phenolic liquid and powder. This type of resins has the important characteristic to give a high resistance to the heat, which is developed during the cutting or grinding. The phenolic resins are mixed with the abrasives and the additives in order to obtain mixing, which is placed on the moulds of the hydraulic presses, and pressed at 200÷300kg/cm². The obtained product is placed between the metal cooking plates and sent to the polymerization ovens where the irreversible formation of chemical bonds between the molecules of the phenolic resin, such as to obtain a solid matrix and resistant to stresses and to high temperatures.

3 - THE STRENGTHENING NETS

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

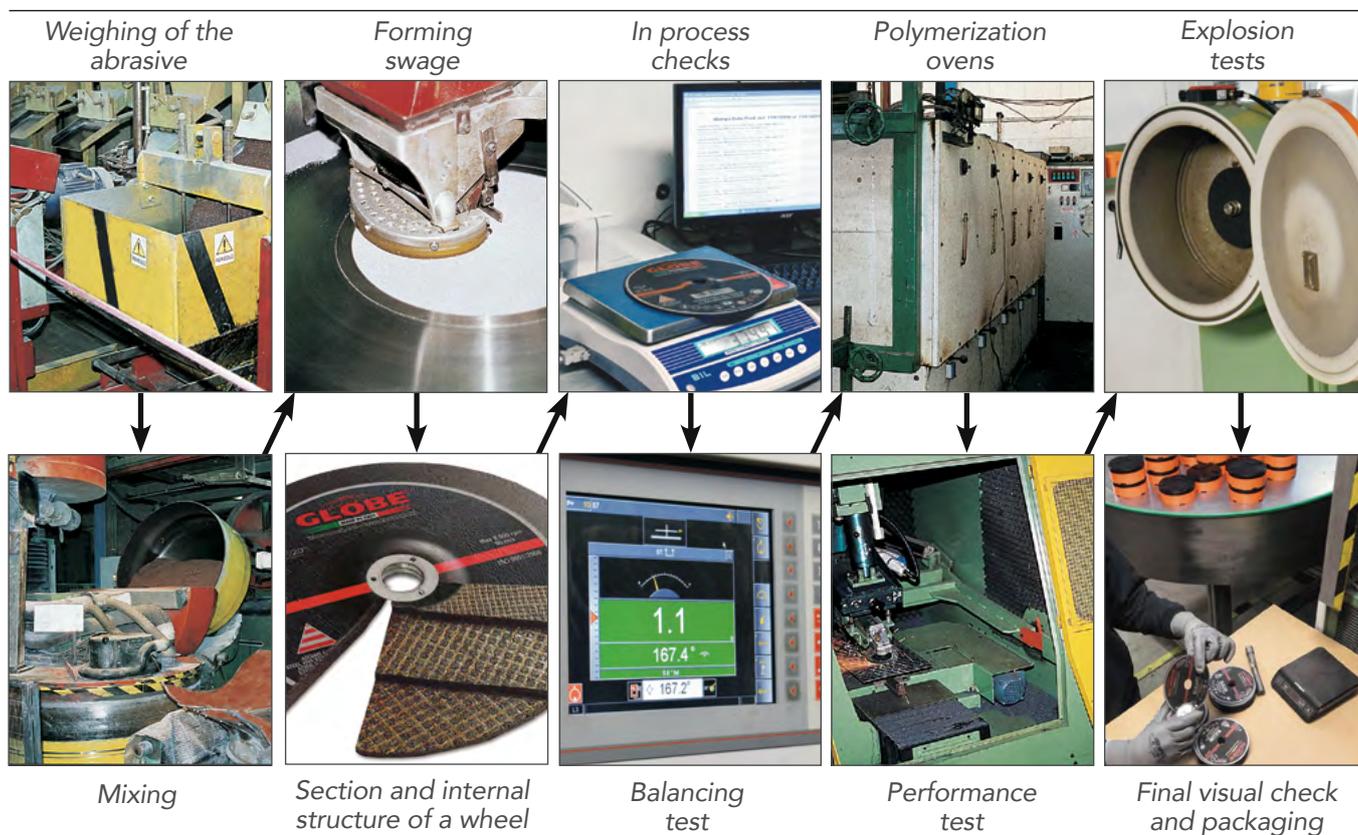
Thanks to these nets, it is possible to obtain a structure properly reinforced, able to support high stresses and to reach the required safety values. The nets are different: characterized by the weight/m² of the canvas, by the type and weight of the yarn (twisted or flat), by the width of the mesh, by the type and quantity of impregnation (a factor which guarantees the adhesion to the mix, which composes the wheel).

Obviously, in the face of more high peripheral speeds and more strict uses, it is necessary to use more heavy strengthening nets and in greater numbers. The nets can be applied on the sides and/or inside the disc, but for the applications like the laboratory machines for the cut of test pieces, the reinforcements are not used, and considering that the wheel is fragile, the safety is entrusted to the complete armor of the machine.

THE PRODUCTION OF WHEELS

To build a high quality product, GLOBE carries out **continuous tests** on the raw materials availing of sophisticated tools. The abrasive mixtures are produced in an automatic way, and controlled through the computers, guaranteeing the constancy of the product.

Each abrasive mixture has its "identity card", which follow it for the entire life of the mixture. This allows to 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, in turn, is only linked to the registers of the raw materials used for its production, allowing to consult all the attached physical/chemical analysis previously done on the specific raw material. The real building of the wheels happens assembling the single components (strengthening nets, abrasive mixture, metal washer and label) through the modern automatic forming presses (built by GLOBE). A typical wheel is structurally conceived with a layer of superior mixture fine grit, which supports better the crashes and the stress keeping regular the wear of the edge and with additional layers of coarse-grained mixture to extol the performances of removal. The cutting discs, having to be particularly thin, are almost always composed by two external strengthening nets with only one layer of abrasive mixture in the middle. Usually, the discs with a large diameter (and consequently with a bigger thickness) are composed by more layers of abrasive mixture (of the same type).



During the forming phase of the wheels, we carry out everyday hundreds of checks controlling, in particular, the main parameters of the wheel: weight, thickness, diameter of the hole, general appearance of the product and the balancing. The balancing is carried out through modern electronic system, and always keeping an unbalance level much lower than the one admitted by the actual regulations UNI ISO 6103. The tolerance of the hole is constantly checked respecting the ISO525 regulations. In fact, holes too tight stop the correct installation, on the contrary, hole too big cause vibrations during the use because of the cam assembly. All production date are collected in an electronic format, and they are kept for years as security for a perfect traceability. The wheels, printed like that, aren't still usable because the binding resin of the mixture undergoes a polymerization process, which gives the mechanical resistance, definitive and necessary. For this purpose, the wheels are stacked (between metal cooking plates, which protect the flatness) on proper trolleys. The trolleys full of wheels go to the polymerization tunnels (built by GLOBE). Inside the tunnels, the wheels follow a slow and progressive raising of the temperature controlled and monitored through sophisticated electronic tools, perfectly following the cooking cycles studied on purpose. The cooking processes are registered on a computer allowing going back for each wheel (through the traceability system) to the specific temperature cycle followed. Once the wheels are polymerized and cold, we carry out the prescribed checks on sample to verify the mechanical resistance, and the data are registered and memorized on electronic archives. The final phase consists in a visual exam of every single wheel to isolate possible defective pieces, to conclude with the packaging. All procedures above mentioned allow GLOBE to have a control and a full traceability on each wheel produced guaranteeing a high standard of quality, safety and reliability.

TECHINICAL NEWS ON THE CUTTING DISCS

Apart from the components and the types of raw materials used in the production of abrasive wheels, the building technique has a basic importance. For example, to obtain a better yield and a high structural density in the cutting discs, we use in the pressing phase the rubberised moulds, which under pressures in the order of 300 Kg/cm², stamp on the side of the cutting disc a high superficial roughness. This roughness, very important to obtain a fast penetration and a cold and white cut in the cut of full section, is emphasized in the discs without lateral sides.

If the cutting discs are internally straightened, they usually have a more rough surface on the sides (in fact, in these cases, external nets with a reduced diameter are frequently used), which allow a better penetration in the piece. If the external reinforcements are on all diameter, you obtain a better resistance to the lateral stresses, but a high difficulty in the penetration caused by the friction of the strengthening nets on the sides.

One of the possibilities to minimize this problem, it is to use cutting discs with a thickness suitable for the work which must be carried out. You can obtain important information on the proper use and the good working of a cutting disc through the observation of the side shape which takes place during the cut.

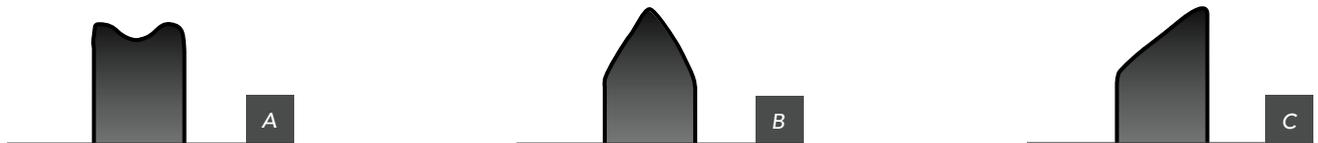
In fact:

If the edge section is flat or slightly concave in the center (A) it means that there is a correct, well balanced ratio between cutting efficiency and disc wearing. The slight concavity that can arise in the middle, is usually due to the presence of a central reinforcement cloth that is subject to a faster wear.

If the edge section is pointed (B) and the edge is crumbled in some areas, the colour is dark and the wheel smells of burning, the wheel is too hard and not suitable for the type of cut it is making (usually not suitable to cut full sections or for the material that has to be cut). Proceeding with the cut may lead to jamming or even breaking of the disc.

If the edge section is pointed and asymmetric (C) one of the following situations is occurring:

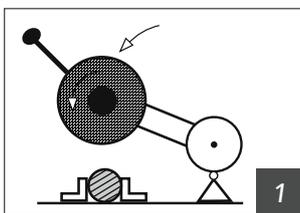
- 1) the workpiece to be cut or the wheel's positioning are misaligned,
- 2) the wheel, made with a mixture containing different grit size abrasives, suffered grit separation during distribution and pressing phase: fine grains have sunk to the bottom and coarse grains have remained on top. The two sides of the wheel have therefore different density and hardness and this results in the wheel wearing out unevenly.



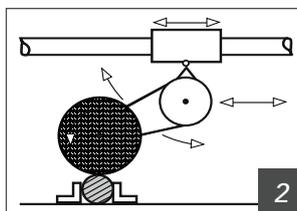
Caution: in both above mentioned cases it will lead to straining and to possible breaking of the wheel.

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 in which the cut will have to be made (machine operation and shape of the pieces to be cut).

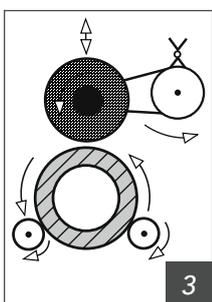
The objective is to achieve a fast and white cut (in the shortest time possible) thus limiting the heat developed in the process. Some examples of the most common working methods are:



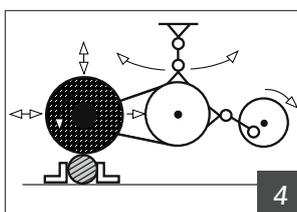
1) workpiece locked and cutting wheel going down vertically on the workpiece.



2) workpiece locked on the bench of a bridge machine with stationary or swing-frame cutting wheel with horizontal movement; or stationary or swing-frame cutting wheel with horizontal moving of the piece on the 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 HOLES 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 ISO6103 reference norms.

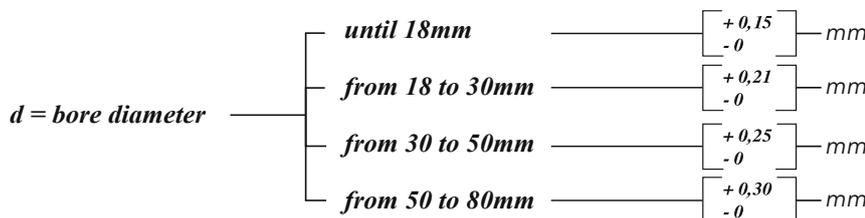
$$m_a = K \sqrt{m_i}$$

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 (deburring, fettling and snagging)	Portable	Types 1/27/28/29	115 < D ≤ 150	—
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 OFF	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



HOLES 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.

THE LEGEND OF THE LABEL: HOW TO READ A GLOBE WHEEL



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: we report (in mm) the dimensions of external diameter, thickness and hole diameter.

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
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10) HARDNESS:

P/Q: medium	R/S: hard	T: very hard
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11) INDICATIONS FOR SPECIFIC APPLICATIONS:

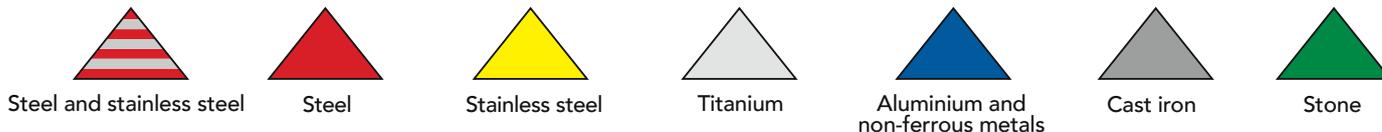
Al: Aluminium	X: stainless steel
G: Cast iron	E: building materials

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



15) SAFETY PICTOGRAMS:



FOLLOW SAFETY INDICATIONS

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



USE SAFETY GUARD



PROTECT LUNGS



PROTECT EYES



PROTECT EARS



PROTECT HANDS



USE WORK AND SAFETY SHOES



USE ONLY WITH BACKING PAD (FIBER DISCS)



DON'T USE IF DAMAGED



DON'T USE WITH PORTABLE MACHINE



NOT SUITABLE FOR GRINDINGS



USE COLANT NOT ALLOWED



USE OF COLANT ALLOWED

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

it is possible to visit the SAFETY AREA of the website where there are all useful information to choose the product along with the instructions for a correct use.

17) EXPIRY DATE:

the wheels for the portable machines are valid for three years* starting from the production date. The wheel for stationary machines don't expire. If foreseen, the expiry date is available:

on the WHEEL, in the cut stamped on the metal washer where the expiry date (V=validity) is written in month and year (mm, yy), while where there isn't this washer, the expiry date is directly stamped on the disc;

on the BOX, in the special adhesive label on which there is indicated: production date, operator in charge of the construction of the wheel, operator in charge of the checks on the products before the packaging and packaging date

*the LABCUT discs are valid for two years.

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

GLOBE WWW.GLOBEABRASIVES.COM		Via La Spezia, 160 43126 PARMA - ITALY Tel: +39.0521.293943 Fax: +39.0521.293743
QTY	100	ART G0112
DESCR	CD 115X6,5X22mm A 24-30-36 QBF	
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 GREENDING WHEELS MEULES D'EBARBAGE		
 8 0 2 3 8 6 7 1 0 0 0 4 3		
		MADE IN ITALY
		VAL 28.07.2020
		



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, we carry out all resistance test foreseen by the EN regulations and by the OSA disciplinary.

All data are archived and available. In the event 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 in two separate areas: the first is dedicated to the company, its history, the products, while the second is only dedicated to the safety in its many aspects, a very important subject for GLOBE.

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In the PRODUCTION area, you can find:

the general catalogue and the product files with the latest news introduced by GLOBE on the abrasives market

contacts with the various productive and sales departments (both for Italy and abroad)

company certifications

... and much more

S
A
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Y

In the SAFETY area, you can find:

information about the reading and coding of GLOBE products

regulations and way of use of the abrasive products

possible batches called back

... and much more

WWW.GLOBEABRASIVES.COM

3 PRODUCT LINES FOR 3 DIFFERENT NEEDS



◆ ◆ ◆
PLUS



◆ ◆ ◆
EVOLUTION



◆ ◆ ◆
DYNAMIC

- Very long duration
- Extreme speed for cut and grind
- 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 professionals more demanding. Result of an experience gained in 60 years of research and development, the Plus line confirms the positioning of GLOBE between the best producers on the world market.

WHY CHOOSE THE PLUS LINE

chose the Plus line, it means to ask for the best in every way, and an absolute guarantee of profit through the longer duration of the product, the reduction of the working time and a better quality of the same. It is available for: iron and steel, stainless steel, building, aluminium, alloys and titanium.

- Reduced processing costs
- Long duration
- 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 the operators, which need a good product with a good price. EVOLUTION is the perfect solution for the resellers and the final users.

WHY CHOOSE THE EVOLUTION LINE

the EVOLUTION line guarantees a perfect processing of the stainless steels without contaminations and without renouncing at GLOBE quality.

- Good duration
- 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 the 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 for cutting with a high diameter) and grinding wheels.

WHY CHOOSE THE DYNAMIC LINE

As for other GLOBE discs, also the Dynamic ones respect the strict quality standards and the resistance tests, strictly observing the safety regulations. GLOBE experience guarantees to the customer 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 42

- CUTTING DISCS $\varnothing > 230\text{mm}$**
30 FLAT STANDARD (STATIONARY MACHINES)
32 FLAT - **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)





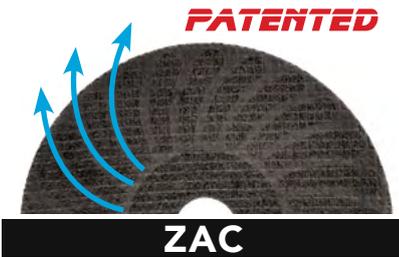
TYPE 41

FLAT CUTTING DISCS FOR PORTABLE ANGLE GRINDERS

CUTTING



GLOBE thin cutting discs are the most performing and fast cutting tools. 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** sono impresse sottilissime "coste elicoidiscs very thin "helicolidal patterns" are pressed (GLOBE patent) that help determining a lower friction and reduced heat, enhancing cutting speed and rigidity.



HP-ONE

HP-ONE èis 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 its performances.

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

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.

DISC DURABILITY
CUTTING SPEED
CLEAN CUT

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

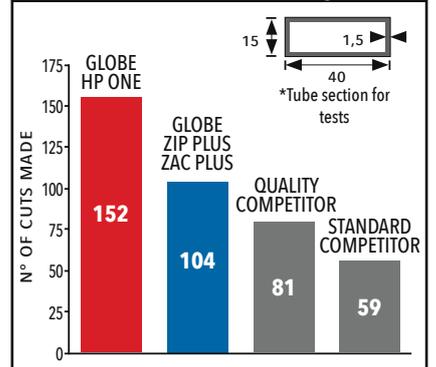
STAINLESS STEEL AND STEEL

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

DISC DURABILITY
CUTTING SPEED
CLEAN CUT

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

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



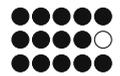
MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE

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

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	25pz
125x1,3x22,23	ZAC	A 60 QAL	80 m/s	G1742	25pz

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	25pz
125x1,0x22,23		C 60 S	80 m/s	G1731	25pz

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	25pz
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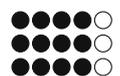
MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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EVOLUTION LINE

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

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

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



TYPE 41

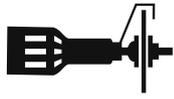
STANDARD FLAT CUTTING DISCS FOR PORTABLE ANGLE GRINDERS

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 in any application. The several combinations offered by GLOBE range always allow to find the best product for the work to be done.

MATERIAL	DIMENSIONS (diam - thick - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	DISC DURABILITY	CUTTING SPEED	CLEAN CUT
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.						●●●○○	●●●○○	●●●○○
	230x2,5x22,23	A 30-36 Q	80 m/s	G1415	25pz		●●●○○	●●●○○	●●●○○
STEEL	A 30-36 R: for cutting iron and steel. Offers a good cutting capacity and long durability. Excellent resistance to stress.						●●●●○	●●●●○	●●●●○
	100x2,5x16,00	A 30-36 R	80 m/s	G1421	50pz		●●●●○	●●●●○	●●●●○
	115x2,5x22,23	A 30-36 R	80 m/s	G1422	50pz		●●●●○	●●●●○	●●●●○
	125x2,5x22,23	A 30-36 R	80 m/s	G1423	50pz		●●●●○	●●●●○	●●●●○
	230x2,5x22,23	A 30-36 R	80 m/s	G1425	25pz		●●●●○	●●●●○	●●●●○
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	25pz		●●●●○	●●●●○	●●●●○
	230x2,5x22,23	A 30-36 T	80 m/s	G1435	25pz		●●●●○	●●●●○	●●●●○
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.						●●●●○	●●●●○	●●●●○
	115x2,5x22,23	Z 30-36 SX	80 m/s	G1442	50pz		●●●●○	●●●●○	●●●●○
	125x2,5x22,23	Z 30-36 SX	80 m/s	G1443	50pz		●●●●○	●●●●○	●●●●○
	180x2,5x22,23	Z 30-36 SX	80 m/s	7325115360100	25pz		●●●●○	●●●●○	●●●●○
	230x2,5x22,23	Z 30-36 SX	80 m/s	G1445	25pz		●●●●○	●●●●○	●●●●○
STONE	C 30-36 RE: for cutting marble, stone, bricks, concrete, etc. Excellent cutting capacity, medium hardness and long durability.						●●●●○	●●●●○	●●●●○
	115x2,5x22,23	C 30-36 RE	80 m/s	G1452	50pz		●●●●○	●●●●○	●●●●○
	125x2,5x22,23	C 30-36 RE	80 m/s	G1453	25pz		●●●●○	●●●●○	●●●●○
	230x2,5x22,23	C 30-36 RE	80 m/s	G1455	25pz		●●●●○	●●●●○	●●●●○



TYPE 01

STANDARD FLAT CUTTING DISCS FOR PORTABLE STRAIGHT GRINDERS



CUTTING

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

DISC DURABILITY

CUTTING SPEED

CLEAN CUT

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

STAINLESS STEEL

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

DISC DURABILITY

CUTTING SPEED

CLEAN CUT

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



TYPE 42

DEPRESSED CENTER THIN CUTTING DISCS FOR PORTABLE ANGLE GRINDERS

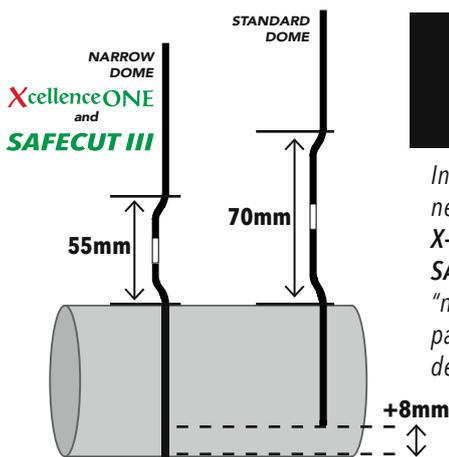


SAFECUT III



XcellenceONE

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** e **SAFECUT (II e III)** cwith "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, 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 cutting disc **X-CELLENCE ONE** 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, **X-CELLENCE ONE** conforms to the highest safety standards, undergoes daily tests to guarantee a safe and excellent product.

THE ADVANTAGES OF X-CELLENCE ONE



- Cold cut, clean, 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 and SAFECUT

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

STAINLESS STEEL AND STEEL

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**.

DISC DURABILITY CUTTING SPEED CLEAN CUT

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

STONE

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

DISC DURABILITY CUTTING SPEED

NEW	115x1,0x22,23	THIN CUT	C 60 S	80 m/s	G1583	25pz
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SAFECUT II e SAFECUT III

I **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 you are cutting.



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

I VANTAGGI DI 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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PLUS LINE

STAINLESS STEEL AND STEEL

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.

DISC DURABILITY CUTTING SPEED CLEAN CUT

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

STEEL

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

DISC DURABILITY CUTTING SPEED CLEAN CUT

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

ALUMINIUM

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

DISC DURABILITY CUTTING SPEED CLEAN CUT

	230x2,0x22,23	SafeCut II	A 60 QAL	80 m/s	G1566	50pz
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TYPE 42

STANDARD DEPRESSED CENTER CUTTING DISCS FOR PORTABLE MACHINES



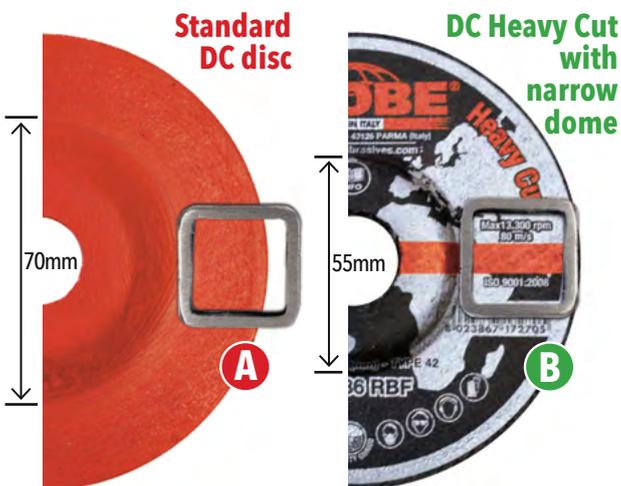
The standard range of depressed center cutting discs for portable machines is perfectly suitable for any type of work thanks to the different thicknesses available and to the introduction of the **"narrow dome"** for diameters 115 and 125 (**HEAVY CUT** discs). Thickness, cutting depth and mixture (type 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 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 supplies a definitively more performing tool to the operator in terms of cutting depth, number of cuts, durability, less waste and less costs.

GLOBE, always a step ahead in the research, has developed a range of depressed center discs with a very small dome; this feature allows to have an increased cutting portion than 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	50pz
NEW	115x3,2x22,23 Heavy Cut		A 30-36 Q	80 m/s	G1013	50pz
NEW	125x3,2x22,23 Heavy Cut		A 30-36 Q	80 m/s	G1015	50pz
	150x3,2x22,23		A 30-36 Q	80 m/s	G1016	50pz
	180x3,2x22,23		A 30-36 Q	80 m/s	G1111	50pz
	180x4,0x22,23		A 30-36 Q	80 m/s	6325136210100	50pz
	230x3,2x22,23		A 30-36 Q	80 m/s	G1113	50pz
	230x4,0x22,23		A 30-36 Q	80 m/s	6326036210100	25pz
	230x4,8x22,23		A 30-36 Q	80 m/s	6326039210100	25pz


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


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	50pz
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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	50pz
	230x4,8x22,23		A 30-36 QX	80 m/s	6326039230100	25pz


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

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

CAST IRON

A 30-36 QG: for foundries of cast iron. Medium durability, excellent cutting capacity.

DISC DURABILITY
CUTTING SPEED
CLEAN CUT

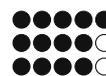


230x3,2x22,23	A 30-36 QG	80 m/s	G1333	50pz
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CAST IRON

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

ALUMINIUM

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

STONE

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



Creation of traces on reinforced concrete.

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

STEEL

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

FLAT AND DEPRESSED CENTER CUTTING DISCS

Ø > 230mm

CUTTING (Ø>230mm)



TYPE 41

30

FLAT STANDARD

FOR STATIONARY MACHINES



TYPE 41

32

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



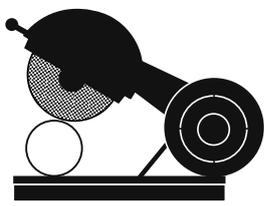
TYPE 42

36

DEPRESSED CENTER

FOR SWING-FRAME OR STATIONARY MACHINES

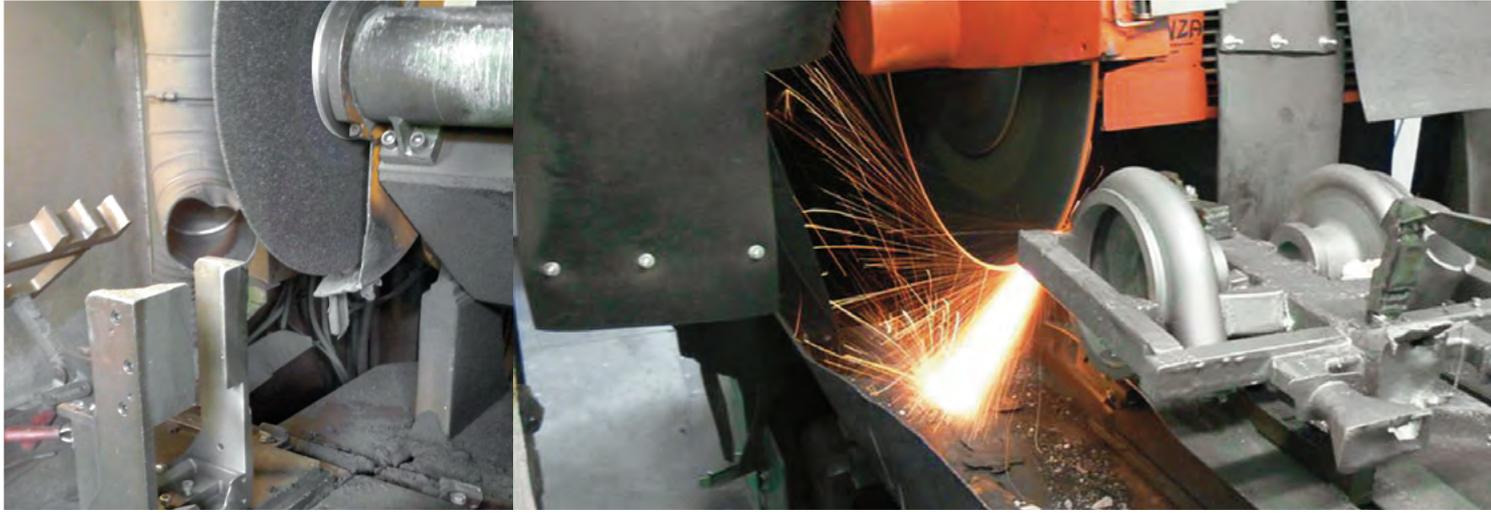




TYPE 41

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. There is also the 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		PLUS LINE
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STEEL

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

DISC DURABILITY
CUTTING SPEED
CLEAN CUT

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

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.

DISC DURABILITY
CUTTING SPEED
CLEAN CUT

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

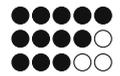
MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE 

 **STEEL**

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

DISC DURABILITY
CUTTING SPEED
CLEAN CUT

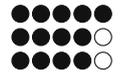


300x2,5x22,23	AN 36 S	80 m/s	G2332	25pz
300x2,5x25,40	AN 36 S	80 m/s	G2332 25 T22	25pz
300x2,5x30,00	AN 36 S	80 m/s	G2332 30	25pz
300x3,0x25,40	AN 36 S	80 m/s	G2333	25pz
300x3,0x30,00	AN 36 S	80 m/s	G2333 30	25pz
350x3,0x25,40	AN 36 S	80 m/s	G2335 25	25pz

 **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

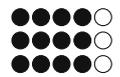


300x3,0x25,40	A 30 T	80 m/s	G2363	25pz
350x3,0x25,40	A 30 T	80 m/s	G2365	25pz
350x3,0x25,40	ZA 24 T	80 m/s	G2366 25	25pz

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

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

 **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	10pz
800x9,0x60,00	C 24 S	80 m/s	G2455	10pz

CUTTING (Ø > 230mm)



TYPE 41

DISCS FOR PORTABLE GRINDERS WITH COMBUSTION ENGINE:

- ALLCUT (FOR GENERAL CUT)
- RAILCUT (FOR CUTTING RAILWAY TRACKS)

CUTTING (Ø>230mm)



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 cut 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	DISC DURABILITY CUTTING SPEED CLEAN CUT
 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.).						●●●●○ ●●●●○ ●●●●○
	300x4,0x20,00	A 30-36 S	100 m/s	G2211 20	25pz		
	300x4,0x22,23	A 30-36 S	100 m/s	G2211 22	25pz		
	300x4,0x25,40	A 30-36 S	100 m/s	G2211 25	25pz		
	350x4,0x20,00	A 30-36 S	100 m/s	G2212 20	25pz		
	350x4,0x22,23	A 30-36 S	100 m/s	G2212 22	25pz		
350x4,0x25,40	A 30-36 S	100 m/s	G2212 25	25pz			

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

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		DYNAMIC LINE	DISC DURABILITY CUTTING SPEED CLEAN CUT
 STAINLESS STEEL AND STEEL	A 30-36 S (ALLCUT): universal use for any type of cut. Safe and with good cutting capacity, it is particularly suitable for construction yards.						●●●●○ ●●●●○ ●●●●○
	NEW 300x4,0x32,00	A 30-36 S	100 m/s	G2211 32 DYN	25pz		
	NEW 350x4,0x25,40	A 30-36 S	100 m/s	G2212 25 DYN	25pz		
	NEW 350x4,0x32,00	A 30-36 S	100 m/s	G2212 32 DYN	25pz		



CUTTING (Ø>230mm)

RAILCUT is the GLOBE range specially designed for professional cutting of railway tracks. RAILCUT cutters provide 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.

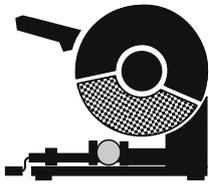
RAILCUT I is the standard high quality version: the corundum mixture provides a fast and precise cut, with a moderate wear of the disc.

MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE	DISC DURABILITY	CUTTING SPEED	CLEAN CUT
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, allows a highly cost-effective work.						●●●○	●●●○	●●●○
	300x4,0x22,23	A 24 R	100 m/s	G2111 22	25pz		●●●○	●●●○	●●●○
	300x4,0x25,40	A 24 R	100 m/s	G2111 25	25pz		●●●○	●●●○	●●●○
	350x4,0x25,40	A 24 R	100 m/s	G2112 25	25pz		●●●○	●●●○	●●●○
	400x4,5x25,40	A 24 R	100 m/s	G2113 25	10pz		●●●○	●●●○	●●●○

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		PLUS LINE	DISC DURABILITY	CUTTING SPEED	CLEAN CUT
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.						●●●●	●●●○	●●●○
NEW	350x4,0x25,40 LONG LIFE	A 24 R	100 m/s	G2114 25	25pz		●●●●	●●●○	●●●○
NEW	400x4,5x25,40 LONG LIFE	A 24 R	100 m/s	G2115 25	10pz		●●●●	●●●○	●●●○

STEEL	A 24 R (RAILCUT II FAST CUT): is 30% faster preventing the overheating of the metal piece. The cut is perfectly straight and precise. Specifically designed for on-site works (directly on railway line) where precision and speed are extremely important. It's 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 OSA regulations to guarantee a safe, reliable and excellent product.						●●●○	●●●●	●●●●
NEW	350x4,0x25,40 FAST CUT	A 24 R	100 m/s	G2116 25	25pz		●●●○	●●●●	●●●●
NEW	400x4,5x25,40 FAST CUT	A 24 R	100 m/s	G2117 25	10pz		●●●○	●●●●	●●●●



TYPE 41

CHOPCUT FLAT DISCS FOR LIGHT BENCH GRINDERS



CHOPCUT cutting discs for light stationary machines allow to cut steel sections bars, 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 the balancing of these discs to ensure comfortable cutting operations and a good grinder stability without production of vibrations.

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

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



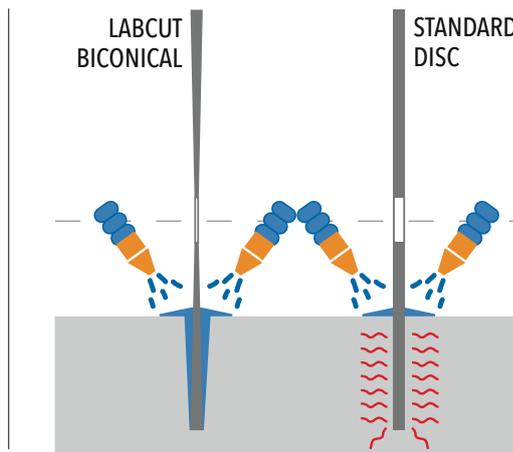
TYPE 41

LABCUT DISCS FOR CUTTING TEST PIECES WITH FULLY ENCLOSED MACHINES



CUTTING (Ø > 230mm)

Built with reinforcements for cutting test pieces exclusively with enclosed machines. Also with coolant. Thanks to the high cutting capacity they do not overheat the 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 enhances cooling of fluid while cutting, allowing to achieve a colder and cleaner cut.

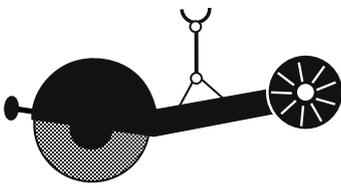
MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE
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**STAINLESS
STEEL AND
STEEL**

A 30 36 P (LABCUT): wheels for cutting alloy steel test pieces, chrome plated or cemented or nished bars. 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	25pz
300x2,5x32,00	A 30 36 P	63 m/s	G2011	25pz
350x3,0x32,00	A 30 36 P	63 m/s	G2012	25pz

DISC DURABILITY
CUTTING SPEED
CLEAN CUT



TYPE 42

DEPRESSED CENTER WHEELS FOR STATIONARY OR SWING-FRAME GRINDERS



These cutting wheels can be used effectively in a variety of applications in foundries, with ferrous and non-ferrous metals.

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

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

Careful balancing prevents disturbing vibrations in the handle bar and significantly improves comfort for the operator and performance of the disc.

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



Depressed center shape allowing to carry out flush cuts.

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



TYPE 27

38

COMBI SPEED

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



TYPE 27

39

COMBI EXTRA

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



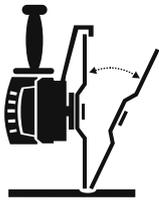
TYPE 42

40

PIPELINER

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

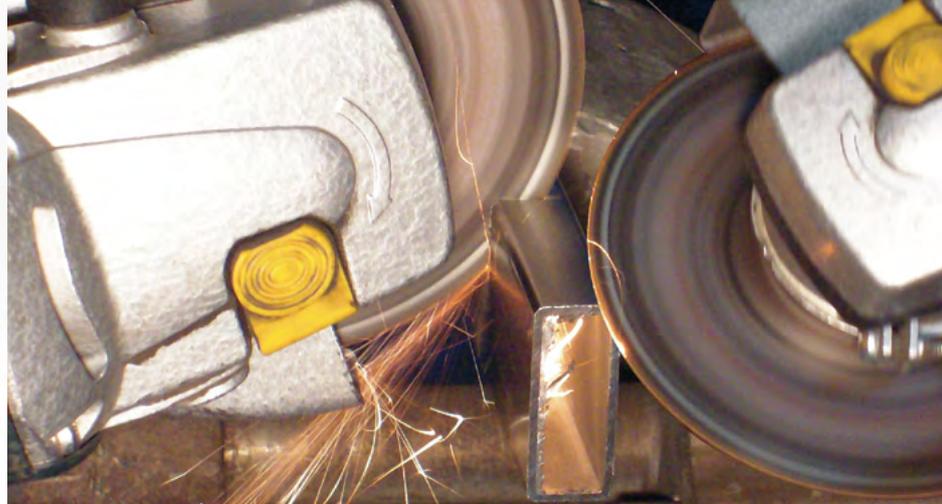




TYPE 27

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

CUTTING/GRINDING

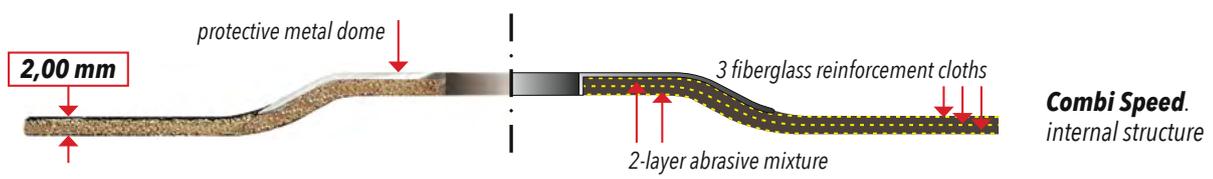


COMBI SPEED was especially conceived by GLOBE for cutting and light grinding or beveling with one single product. **COMBI SPEED** is the evolution of COMBI wheel and thanks to the 2,0 mm thickness only and the 2-layer structure with 3 reinforcement cloths, it combines in a single disc an excellent cutting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



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 life



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

A 60 SX: 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 does is free from iron, sulphur and chlorine compounds and thus suitable for stainless steel.

DISC DURABILITY: ●●●●○
 CUTTING SPEED: ●●●●○
 CLEAN CUT: ●●●●○
 REMOVAL: ●●●●○

NEW	115x2,0x22,23	A 60 SX	80 m/s	G1039	50pz
NEW	125x2,0x22,23	A 60 SX	80 m/s	G1041	50pz
NEW	150x2,0x22,23	A 60 SX	80 m/s	G1042	50pz



TYPE 27

DEPRESSED CENTER CUTTING DISCS FOR GRINDING AND CUTTING WITH PORTABLE GRINDERS

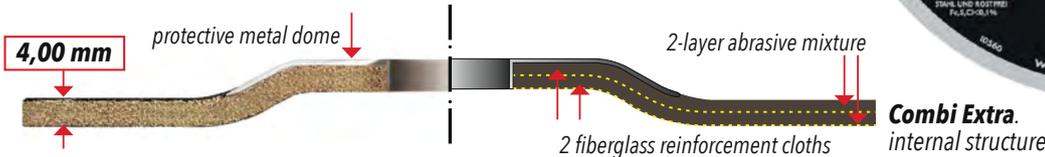


PATENTED

COMBI EXTRA

Differently to Combi Speed, thanks to its 4 mm thickness, it is suitable to perform harder cuts and when the grinding job is more than cutting.

Very appreciated as grinding wheel in all those operations of light structural work instead of the traditional (and heavier) 7 mm thickness wheel.



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

STEEL

A 30 36 R: for operations of cutting and light grinding with a single product. Suitable for iron and steel, good cutting capacity and long life

DISC DURABILITY	●●●●○
CUTTING SPEED	●●●●○
CLEAN CUT	●●●●○
REMOVAL	●●●●○

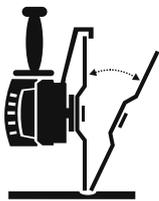
115x4,0x22,23	A 30 36 R	80 m/s	G1053	50pz
125x4,0x22,23	A 30 36 R	80 m/s	G1055	50pz
150x4,0x22,23	A 30 36 R	80 m/s	G1056	50pz
180x4,0x22,23	A 30 36 R	80 m/s	G1057	50pz
230x4,0x22,23	A 30 36 R	80 m/s	G1058	25pz

STAINLESS STEEL

A 30 36 RX: 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	●●●●○

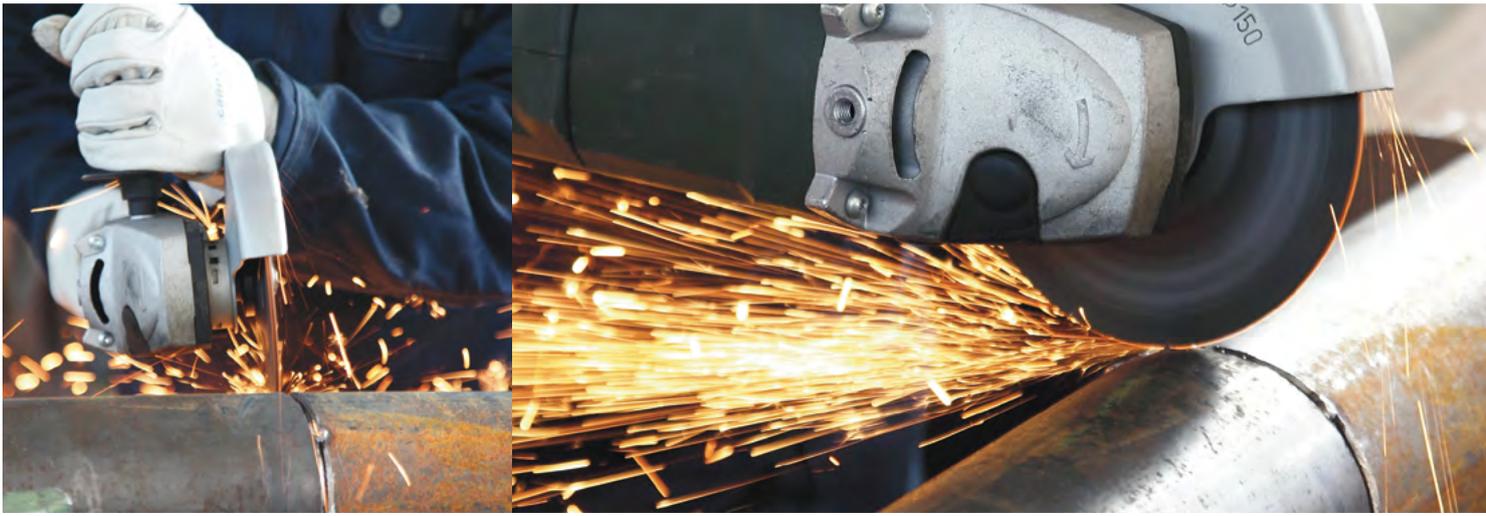
115x4,0x22,23	A 30 36 RX	80 m/s	G1043	50pz
125x4,0x22,23	A 30 36 RX	80 m/s	G1045	50pz
150x4,0x22,23	A 30 36 RX	80 m/s	G1046	50pz
180x4,0x22,23	A 30 36 RX	80 m/s	G1151	50pz
230x4,0x22,23	A 30 36 RX	80 m/s	G1154	25pz



TYPE 42

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

CUTTING/GRINDING



PIPELINER is the cutting, grinding and beveling range designed for pipes fitting, notching and welding preparation. These discs are specially formulated and reinforced for grinding joint welds between passes in pipeline construction. Free from Iron, Sulphur or Chlorine (Fe, S, Cl), they don't contaminate stainless steel.

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

PIPELINER APPLICATIONS

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

PIPELINER ADVANTAGES

- Outstanding performance in pipelines construction
- Long life
- High safety standard
- Cost reduction



OIL&GAS industry: among the most indicated for the use of PIPELINER discs.

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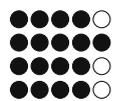
STAINLESS STEEL AND STEEL

Specific mixture 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	50pz
NEW	125x2,5x22,23	A 36 R	80 m/s	G1145	50pz
NEW	150x3,5x22,23	A 24 R	80 m/s	G1146	50pz
NEW	178x4,2x22,23	A 20 R	80 m/s	G1147	50pz

PLUS LINE

DISC DURABILITY
CUTTING SPEED
CLEAN CUT
REMOVAL





TYPE 27

- 42 **GRINDING WHEELS WITH DEPRESSED CENTE**
(FOR PORTABLE ANGLE GRINDERS)



TYPE 01

- 45 **GRINDING FLAT WHEELS**
(FOR PORTABLE STRAIGHT MACHINE)

TYPE 29
FLEXCELLENCETYPE 29
TURBOTWISTERTYPE 28
CONE

DEPRESSED CENTER WHEELS FOR FLAT GRINDING

- 46 **FLEXCELLENCE:** MORE THAN A FIBERDISC (PORTABLE ANGLE GRINDERS)
48 **TURBOTWISTER:** THE SEMI-FLEXIBLE WHEEL (PORTABLE ANGLE GRINDERS)
50 **CONE:** THE CONICAL WHEEL (PORTABLE ANGLE GRINDERS)

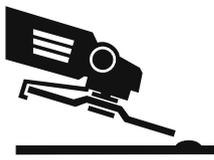


- 51 **SHAFT-MOUNTED WHEELS**
(FOR PORTABLE STRAIGHT GRINDERS)



- 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

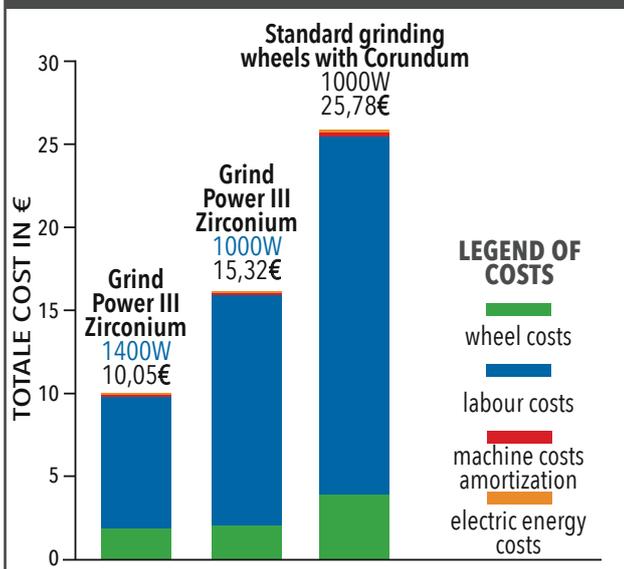


- ✓ LESS VIBRATION
- ✓ MORE COMFORT
- ✓ LESS EFFORT



GRIND POWER III is the most advanced and incomparable **GLOBE** technological solution for the professional grinding industry. The highly enriched mixture of corundum together with high quality zirconium, offers incomparable removal speed and duration, able to compete on equal terms even with the much more expensive ceramic wheels. If used with properly powerful grinders (1400W), **GRIND POWER III** is able to halve the 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 the vibrations transmitted to the grinders and therefore to the hands and arms of the user). In a world where attention to health and reduction of the exposure of operators to tiring, dangerous and damaging vibrations are increasingly important, **GLOBE** offers a concrete tool to improve working conditions by rising up the comfort of use to levels never seen before. Thanks to **GRIND POWER III**, work becomes faster, more efficient, less tiring, less stressful and therefore more advantageous.

Costs 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.



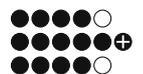
MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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PLUS LINE

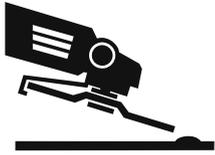
STAINLESS STEEL AND STEEL

ZA 24 SX (GRIND POWER III): grinding of iron and steel. Great removal and long life. 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	25pz
NEW	125x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0362	25pz
NEW	150x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0365	25pz
NEW	180x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0366	25pz
NEW	230x7,0x22,23	Grind Power III	ZA 24 SX	80 m/s	G0367	25pz



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 the minimum level of vibrations during use. The quality characteristics of GLOBE wheels enhance the economic efficiency of use in every context, as demonstrated by control and comparative tests conducted in the company laboratories. All the wheels designed for stainless steel have contents of Iron, Sulphur, and Chlorine compounds lower than 0.1%, as indicated 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 an element of fundamental importance to obtain maximum performance..

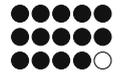
MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE		PLUS LINE
STAINLESS STEEL AND STEEL	A 24 30 36 Q: grinding of iron and steel, good removal and medium duration. Medium-hard grinding wheel, especially indicated for not very heavy-duty works. Good comfort of use. It can also be used on stainless steel.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY
	100x6,0x16,00	A 24 30 36 Q	80 m/s	G0111	25pz	
	115x6,5x22,23	A 24 30 36 Q	80 m/s	G0112	25pz	
	125x6,5x22,23	A 24 30 36 Q	80 m/s	G0113	25pz	
	150x7,0x22,23	A 24 30 36 Q	80 m/s	G0114	25pz	
	180x7,0x22,23	A 24 30 36 Q	80 m/s	G0115	25pz	
	180x8,5x22,23	A 24 30 36 Q	80 m/s	5325155010100	25pz	
	230x7,0x22,23	A 24 30 36 Q	80 m/s	G0117	25pz	
230x8,0x22,23	A 24 30 36 Q	80 m/s	G0118	25pz		
STEEL	A 24 30 36 R: excellent removal rate and long life. Suitable for heavy-duty works such as grinding 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	25pz	
	125x6,5x22,23	A 24 30 36 R	80 m/s	G0123	25pz	
	150x7,0x22,23	A 24 30 36 R	80 m/s	G0124	25pz	
	180x7,0x22,23	A 24 30 36 R	80 m/s	G0125	25pz	
	180x8,5x22,23	A 24 30 36 R	80 m/s	5325155110100	25pz	
	230x7,0x22,23	A 24 30 36 R	80 m/s	G0127	25pz	
	230x8,0x22,23	A 24 30 36 R	80 m/s	G0128	25pz	
STEEL	Z 24 30 36 S: grinding wheel containing alumina zirconia. Particularly indicated for heavy-duty works. High removal rate and long life. Suitable for high frequency grinders for specialized heavy structural works.					DISC DURABILITY REMOVAL CAPACITY REMOVAL ACCURACY
	180x8,0x22,23	Z 24 30 36 S	80 m/s	G0136	25pz	
	230x8,0x22,23	Z 24 30 36 S	80 m/s	5326054140100	25pz	
CAST IRON	A 24 30 36 OG: 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	25pz	
	230x7,0x22,23	A 24 30 36 OG	80 m/s	G0213	25pz	

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 life.

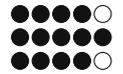
DISC DURABILITY
REMOVAL CAPACITY
REMOVAL ACCURACY



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

 **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.

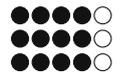
DISC DURABILITY
REMOVAL CAPACITY
REMOVAL ACCURACY



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

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

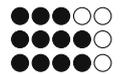
DISC DURABILITY
REMOVAL CAPACITY
REMOVAL ACCURACY



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

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

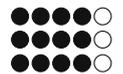
DISC DURABILITY
REMOVAL CAPACITY
REMOVAL ACCURACY



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

 **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	25pz
125x6,5x22,23	A 24 30 36 RX	80 m/s	G0322	25pz
180x7,0x22,23	A 24 30 36 RX	80 m/s	G0324	25pz
230x7,0x22,23	A 24 30 36 RX	80 m/s	G0325	25pz

 **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



150x7,0x22,23	Z 24 30 36 SX	80 m/s	G0363	25pz
180x7,0x22,23	Z 24 30 36 SX	80 m/s	G0334	25pz
230x7,0x22,23	Z 24 30 36 SX	80 m/s	5326051201100	25pz

 **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



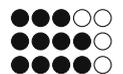
230x7,0x22,23	Z 24 30 36 QX	80 m/s	G0315 HF	25pz
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MATERIAL	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	VEL. USO	ARTICLE CODE	
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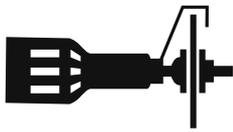
DYNAMIC LINE 

 **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



NEW	115x6,0x 22,23	A 24 30 36 R	80 m/s	G0122 DYN	25pz
NEW	125x6,0x22,23	A 24 30 36 R	80 m/s	G0123 DYN	25pz
NEW	180x6,5x22,23	A 24 30 36 R	80 m/s	G0211 DYN	25pz
NEW	230x6,5x22,23	A 24 30 36 R	80 m/s	G0213 DYN	25pz



TYPE 01

FRONT GRINDING FLAT WHEELS WITH PORTABLE STRAIGHT GRINDERS



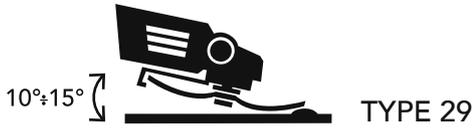
GRINDING

These wheels are generally 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 special additives, 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	DISC DURABILITY	REMOVAL CAPACITY	REMOVAL ACCURACY
STAINLESS STEEL AND STEEL	A 30 36 Q: standard uses, suitable for iron and steel. Good removal rate and medium durability. It can also be used on stainless steel.						●●●●○	●●●●○	●●●●○
	100x20x20,00	A 30 36 Q	45 m/s	G1825	50pz		●●●●○	●●●●○	●●●●○
	100x20x20,00	A 30 36 Q	80 m/s	G1825 80	50pz		●●●●○	●●●●○	●●●●○
STAINLESS STEEL	A 30 36 QX: for use on alloy steel and stainless steel (free from Iron, Sulphur and Chlorine compounds). High removal rate, cold cutting and medium hardness.						●●●●○	●●●●○	●●●●○
	50x12x8,00	A 30 36 QX	45m/s	9010501280100	100pz		●●●●○	●●●●○	●●●●○
	75x8x8,00	A 30 36 QX	80m/s	7082154310101	100pz		●●●●○	●●●●○	●●●●○
	100x20x20,00	A 30 36 QX	45m/s	G1815	50pz		●●●●○	●●●●○	●●●●○
	100x20x20,00	A 30 36 QX	60m/s	9000005045700	50pz		●●●●○	●●●●○	●●●●○
	100x20x20,00	A 30 36 QX	80m/s	G1815 80	50pz		●●●●○	●●●●○	●●●●○
STAINLESS STEEL	A 60 QX: for use on alloy steel and stainless steel.						●●●●○	●●●●○	●●●●○
	100x20x20,00	A 60 QX	60 m/s	9000005045410	50pz		●●●●○	●●●●○	●●●●○
STAINLESS STEEL	A 30 36 RX: for use on alloy steel and with hardness higher than A60QX						●●●●○	●●●●○	●●●●○
	100x20x20,00	A 30 36 RX	60 m/s	G1820 60	50pz		●●●●○	●●●●○	●●●●○
	125x25x20,00	A 30 36 RX	60 m/s	G1840 60	50pz		●●●●○	●●●●○	●●●●○



DEPRESSED CENTER FLEXIBLE WHEELS FOR PRECISION GRINDING WITH PORTABLE ANGLE GRINDERS



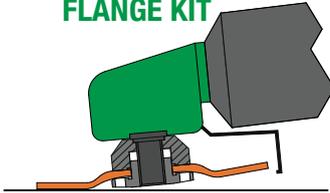
FLEXCELLENCE is the innovative semiflexible depressed center fiberdisc without backing pad designed by GLOBE for a more **PRECISE**, **FASTER** and **COMFORTABLE** grinding of: welding seams, sharp edges, flat and curved surfaces (convex and concave) and removal of imperfections.

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.

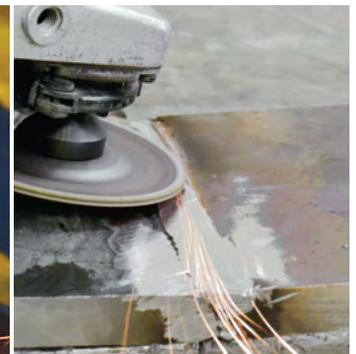
For even more professional users GLOBE supplies a special **STEEL FLANGE SET** that fits to all the grinders existing on the market and optimize the disc positioning.



ASSEMBLY 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 you need without affecting the surrounding areas.

SPEED: the formulation of ceramic abrasive grains and special cooling fillers allows an extremely quick material removal without overheating and pitting of the workpiece. Easy assembly: thanks to the integrated support which eliminates the inconvenience of the traditional fiberdisc backing pad, FLEXCELLENCE is quickly installed as 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 savings
- 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 24	80 m/s	G3331	25pz
NEW	125x22,23	Flexcellence	SG 24	80 m/s	G3351	25pz
NEW	115x22,23	Flexcellence	SG 30	80 m/s	G3332	25pz
NEW	125x22,23	Flexcellence	SG 30	80 m/s	G3352	25pz
NEW	115x22,23	Flexcellence	SG 36	80 m/s	G3333	25pz
NEW	125x22,23	Flexcellence	SG 36	80 m/s	G3353	25pz
NEW	180x22,23	Flexcellence	SG 36	80 m/s	G3373	25pz
NEW	115x22,23	Flexcellence	SG 40	80 m/s	G3334	25pz
NEW	125x22,23	Flexcellence	SG 40	80 m/s	G3354	25pz
NEW	115x22,23	Flexcellence	SG 50	80 m/s	G3335	25pz
NEW	125x22,23	Flexcellence	SG 50	80 m/s	G3355	25pz
NEW	115x22,23	Flexcellence	SG 60	80 m/s	G3336	25pz
NEW	125x22,23	Flexcellence	SG 60	80 m/s	G3356	25pz
NEW	180x22,23	Flexcellence	SG 60	80 m/s	G3374	25pz
NEW	115x22,23	Flexcellence	SG 80	80 m/s	G3337	25pz
NEW	125x22,23	Flexcellence	SG 80	80 m/s	G3357	25pz
NEW	180x22,23	Flexcellence	SG 80	80 m/s	G3375	25pz
NEW	115x22,23	Flexcellence	SG 100	80 m/s	G3338	25pz
NEW	125x22,23	Flexcellence	SG 100	80 m/s	G3358	25pz
NEW	115x22,23	Flexcellence	SG 120	80 m/s	G3339	25pz
NEW	125x22,23	Flexcellence	SG 120	80 m/s	G3359	25pz



EXCELLENT
ABRASIVE
CAPACITY



LOW VIBRA-
TIONS



COSTS RE-
DUCTION



LOW NOISE



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 creates a cooling effect thanks to the 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 the 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 performance of the disc.



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 in which a standard abrasive wheel would cause deep incisions
- Removal of welding drops and joints without damaging the surrounding meta

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	DUREZZA	VEL. USO	CODICE ARTICOLO	
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PLUS LINE

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

MATERIAL	DIMENSIONS (diam. - bore) mm	HARDNESS	USE SPEED	ARTICLE CODE	
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**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	100pz
115x22,23	Turbotwister HP	A 36 Q	80 m/s	G0821	25pz
125x22,23	Turbotwister HP	A 36 Q	80 m/s	G0822	25pz
150x22,23	Turbotwister HP	A 36 Q	80 m/s	G0823	25pz
180x22,23	Turbotwister HP	A 36 Q	80 m/s	G0824	25pz



**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	100pz
115x22,23	Turbotwister HP	A 60 Q	80 m/s	G0831	25pz
125x22,23	Turbotwister HP	A 60 Q	80 m/s	G0832	25pz
150x22,23	Turbotwister HP	A 60 Q	80 m/s	G0833	25pz
180x22,23	Turbotwister HP	A 60 Q	80 m/s	G0834	25pz



**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	25pz
125x22,23	Turbotwister HP	A 100 Q	80 m/s	G0842	25pz
150x22,23	Turbotwister HP	A 100 Q	80 m/s	G0843	25pz
180x22,23	Turbotwister HP	A 100 Q	80 m/s	G0844	25pz



ALUMINIUM

A 36 QAL: grinding of aluminum and other soft nonferrous metals (copper, brass...). The abrasive mixture used, especially lubricated, allows high removal rates throughout the whole life of the wheel without it gets clogged.

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

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

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



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

STONE

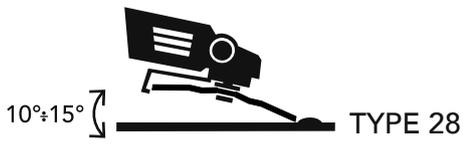
C 60 Q: Q especially suitable for stone, marble, granite. Good finishing, good removal rate, long durability.

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

STONE

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

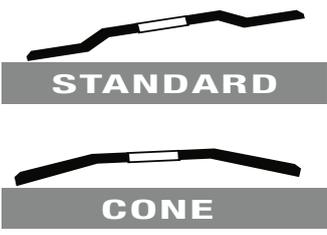
115x22,23	Turbotwister HP	C 100 Q	80 m/s	G0941	25pz
125x22,23	Turbotwister HP	C 100 Q	80 m/s	G0942	25pz
150x22,23	Turbotwister HP	C 100 Q	80 m/s	G0943	25pz
180x22,23	Turbotwister HP	C 100 Q	80 m/s	G0944	25pz



CONICAL WHEELS FOR FLAT GRINDING WITH CON PORTABLE ANGLE GRINDERS



The grinding of welding seams on leveled surfaces requires working in a horizontal position. With the standard "Type 27" wheels, the performance is not optimal as you are forced to work at an angle of at least 15° to the work surface. On the other hand, with the "Type 28" **CONE** grinding wheels, it is possible to work in a horizontal position, as they are built with a natural angle of 15° which allows flat grinding, without compromising its use also in standard grinding operations. The contact area of the conical grinding wheel is much wider than that obtained with a standard "Type 27" grinding wheel and 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 the user
- Perfect planarity of the grinded surface
- High performance
- Long life
- Available for steel, stainless steel and, on demand, for cast iron



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

A 24 30 36 Q: high removal rate and long durability. Ideal for heavy duty works such as grinding of welding, jagged fins and sharp edges.

115x6,5x22,23	CONE	A 24 30 36 Q	80 m/s	G0641	25pz
125x6,5x22,23	CONE	A 24 30 36 Q	80 m/s	G0651	25pz
180x8,0x22,23	CONE	A 24 30 36 Q	80 m/s	G0711	25pz
230x8,0x22,23	CONE	A 24 30 36 Q	80 m/s	G0712	25pz

DISC DURABILITY
REMOVAL CAPACITY
REMOVAL ACCURAC

STEEL

A 24 30 36 R: 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.

115x6,5x22,23	CONE	A 24 30 36 R	80 m/s	G0643	25pz
125x6,5x22,23	CONE	A 24 30 36 R	80 m/s	G0653	25pz
180x8,0x22,23	CONE	A 24 30 36 R	80 m/s	G0721	25pz
230x8,0x22,23	CONE	A 24 30 36 R	80 m/s	G0722	25pz

DISC DURABILITY
REMOVAL CAPACITY
REMOVAL ACCURAC

STEEL

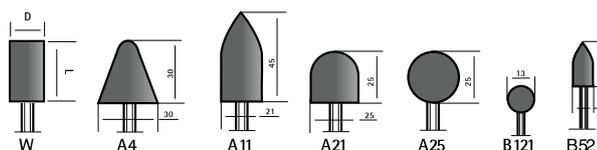
Z 24 30 36 S (ON DEMAND) wheel containing alumina zirconia, suitable for extremely heavy duty works. High removal rate and long durability, for use with high frequency grinders in heavy structural work.

CAST IRON

Z 24 30 36 RG: (ON DEMAND) 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	
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STAINLESS STEEL AND STEEL

W	10x30x6	30 Q	G3711-INOX	100pz
W	15x20x6	30 Q	G3721-INOX	100pz
W	20x20x6	30 Q	G3731-INOX	100pz
W	20x25x6	30 Q	G3741-INOX	100pz
W	20x30x6	30 Q	G3751-INOX	100pz
W	25x25x6	30 Q	G3761-INOX	100pz
W	30x10x6	30 Q	G3811-INOX	100pz
W	30x20x6	30 Q	G3821-INOX	100pz
W	30x30x6	30 Q	G3831-INOX	100pz
W	40x20x6	30 Q	9030400206061	100pz
W	40x30x6	30 Q	G3851-INOX	100pz

A4	30x30x6	30 Q	G3911-INOX	100pz
A11	21x45x6	30 Q	G3921-INOX	100pz
A21	25x25x6	30 Q	G3931-INOX	100pz
B52	10x20x6	60 Q	G3961-INOX	100pz

STEEL

W	10x30x6	60 P	G3711	100pz
W	15x20x6	60 P	G3721	100pz
W	20x20x6	46 P	G3731	100pz
W	20x25x6	46 P	G3741	100pz
W	20x30x6	46 P	G3751	100pz
W	25x25x6	46 P	G3761	100pz
W	30x10x6	46 P	G3811	100pz
W	30x20x6	46 P	G3821	100pz
W	30x30x6	46 P	G3831	100pz
W	35x35x6	46 P	G3841	100pz
W	40x20x6	46 P	9030400206060	100pz
W	40x30x6	46 P	G3851	100pz
W	40x40x6	46 P	G3861	100pz

A4	30x30x6	46 P	G3911	100pz
A11	21x45x6	46 P	G3921	100pz
A21	25x25x6	46 P	G3931	100pz
A25	25x25x6	46 P	G3941	100pz
B121	13x13x6	46 P	G3951	100pz
B52	10x10x6	60 P	G3961	100pz

CAST IRON

W	40x20x6	24-30 Q	9030400206083	100pz
W	40x20x6	24-30 S	9030400206085	100pz
W	50x10x6	24-30 Q	9030500106083	100pz

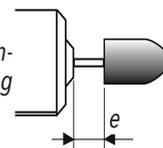
GLOBE shaft-mounted wheels are suitable for grinding and fine finishing operations. The different specifications can be distinguished by the color:

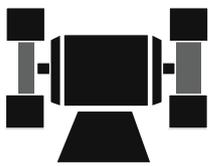
PINK	STEEL
GREY-PINK	CAST IRON
NERO	STAINLESS STEEL



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





BENCH WHEELS FOR BENCH GRINDERS



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

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	
 WHITE CORUNDUM: with aluminum oxide content of 99,5%.	150x20x32	A 60	G4735	1pz
	200x20x32	A 60	G4755	1pz
	200x25x32	A 60	G4775	1pz



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, you can reach the maximum stock removal and grinding speed without overheating the work piece.

Available grits: from gr 46 (sgrossatura), to gr 80 (affilatura).

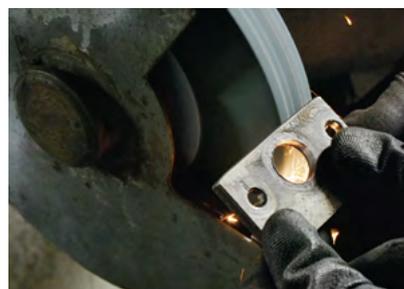


ABRASIVE	DIMENSIONS (diam - thick. - bore) mm	HARDNESS	ARTICLE CODE	
 GREEN SILICON CARBIDE:	150x20x32	C 80	G4736	1pz
	200x20x32	C 80	G4756	1pz
	200x25x32	C 80	G4776	1pz

Hardness: hard.

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

Available grits: from gr 60 to gr 120.



Tools sharpening, metals cleaning...



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FIBERGLASS BACKING PAD (FLAT AND CONICAL)

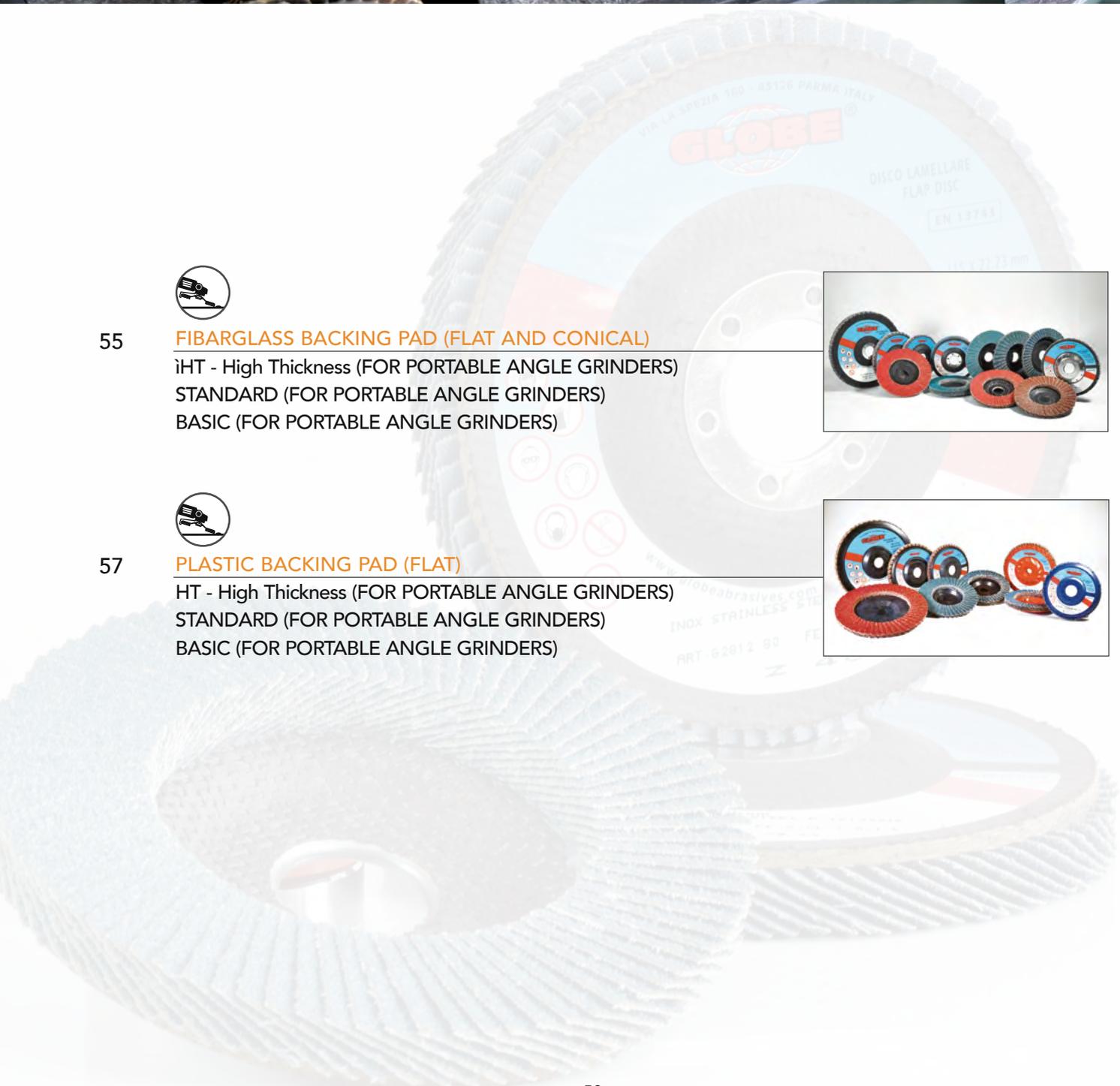
- HT - High Thickness (FOR PORTABLE ANGLE GRINDERS)
- STANDARD (FOR PORTABLE ANGLE GRINDERS)
- BASIC (FOR PORTABLE ANGLE GRINDERS)

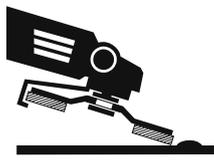


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PLASTIC BACKING PAD (FLAT)

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





FLAPS MOUNTING 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 an excellent level of 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 this discs the prominent part of the 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 the abrasive cloth (in standard discs 1/3 of the cloth is left unused) minimizing the waste of the 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 the abrasive grains. The higher quality of the cloth assures top level performances in lifetime and removal speed. It is recommended to use with powerful grinders (at least 1000 Watts) to maximize its performance.

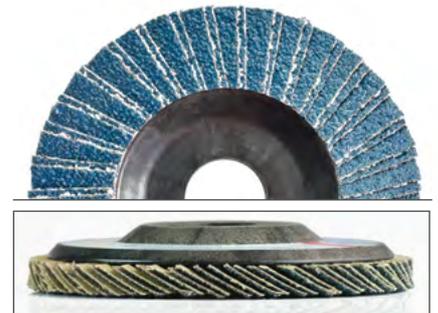


STANDARD

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 the abrasive grain even if flaps are less inclined.

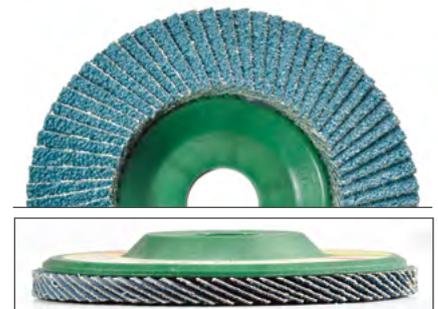


BASIC

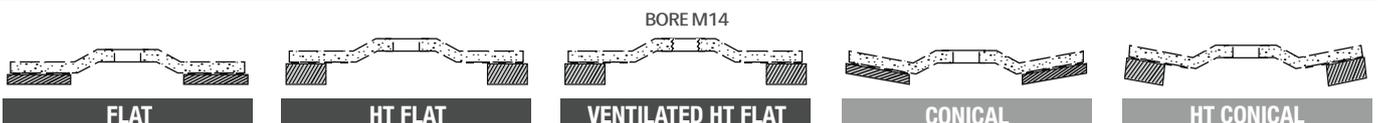
The BASIC range is the GLOBE ENTRY LEVEL line.

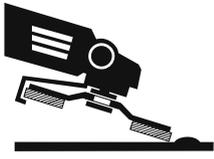
It keeps a good quality level with high removal capacity and good lifetime at a lower price level. Especially conceived for the large-scale retail trade. The cloth used is softer than the HT and STANDARD versions, allowing a constant change of the abrasive grains.

Also suitable for less powerful grinders.



MOUNTING SHAPES AVAILABLE





FLAP DISCS

- FIBERGLASS BACKING PADS
- FLAT OR CONICAL SHAPE



FLAP DISCS

Flap discs with fiberglass backing pads have the special feature of not dirtying with plastic material stains. This phenomenon can occur when the abrasive cloth is almost worn out and, unwittingly, the plastic pad rubs against the metal. This requirement is particularly important when working on stainless steel.

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

 STAINLESS STEEL AND STEEL	115x22,23	Z 40	G2812 HT	G2812 C HT	20pz
	115x22,23	Z 60	G2814 HT	G2814 C HT	20pz
 ALUMINA ZIRCONIA	115x22,23	Z 80	G2815 HT	G2815 C HT	20pz
	125x22,23	Z 40	G2822 HT	G2822 C HT	20pz
	125x22,23	Z 60	G2824 HT	G2824 C HT	20pz
	125x22,23	Z 80	G2825 HT	G2825 C HT	20pz
	125x22,23	Z 80	G2825 HT	G2825 C HT	20pz



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

 STEEL	115x22,23	A 36	G2611		20pz	
	115x22,23	A 40	G2612	G2612 C	20pz	
	 ALUMINUM OXIDE	115x22,23	A 60	G2614	G2614 C	20pz
		125x22,23	A 40	G2622	G2622 C	20pz
	125x22,23	A 60	G2624	G2624 C	20pz	
	178x22,23	A 40	G2712		10pz	
	178x22,23	A 60	G2714		10pz	
 STAINLESS STEEL AND STEEL	100x16,00	Z 40		G2802 C	20pz	
	100x16,00	Z 60		G2804 C	20pz	
	100x16,00	Z 80		G2805 C	20pz	
	 ALUMINA ZIRCONIA	115x22,23	Z 36	G2811		20pz
		115x22,23	Z 40	G2812	G2812 C	20pz
		115x22,23	Z 60	G2814	G2814 C	20pz
		115x22,23	Z 80	G2815	G2815 C	20pz
		115x22,23	Z 120	G2817	G2817 C	20pz
		125x22,23	Z 40	G2822	G2822 C	20pz
		125x22,23	Z 60	G2824	G2824 C	20pz
		125x22,23	Z 80	G2825	G2825 C	20pz
		125x22,23	Z 120	G2827	G2827 C	20pz
		178x22,23	Z 40	G2912		10pz
178x22,23	Z 60	G2914		10pz		
178x22,23	Z 120	G2917		10pz		
 STAINLESS STEEL AND STEEL	115x22,23	CER 40	G2852	G2852 C	20pz	
	125x22,23	CER 40	G2862	G2862 C	20pz	



 **CERAMIC GRAIN**

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

 **STAINLESS
STEEL AND
STEEL**

 ALUMINA
ZIRCONIA

RAPID

NEW	115x22,23	Z 40	G2812 R		20pz
NEW	115x22,23	Z 60	G2814 R		20pz
NEW	115x22,23	Z 80	G2815 R		20pz



RAPID RANGE: removal speed, maximum contact precision and excellent quality/price ratio.

 **STAINLESS
STEEL AND
STEEL**

 ALUMINA
ZIRCONIA

PLUS

NEW	115x22,23	Z 40	G2812 40+		20pz
NEW	115x22,23	Z 60	G2814 60+		20pz
NEW	125x22,23	Z 40	G2822 40+		20pz
NEW	125x22,23	Z 60	G2824 60+		20pz



PLUS LINE: very high removal speed and long life.

 **STAINLESS
STEEL AND
STEEL**

 ALUMINA
ZIRCONIA

80/90 FLAPS RANGE

NEW	115x22,23	Z 40	G2812 80		20pz
NEW	115x22,23	Z 60	G2814 80		20pz
NEW	125x22,23	Z 40	G2822 90		20pz
NEW	125x22,23	Z 60	G2824 90		20pz



80/90 FLAPS RANGE: disc containing alumina zirconia. The quantity of flaps (80/90) and their arrangement makes the disc more compact and precise. Excellent quality/price ratio.

 **STAINLESS
STEEL AND
STEEL**

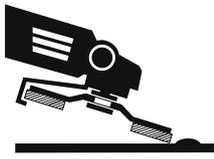
 ALUMINA
ZIRCONIA

GF

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



GF: GLOBE economical range which assures good performance and comfort of use with any grinder. Good quality/price ratio.



FLAP DISCS

- PLASTIC BACKING PAD
- FLAT VERSION



Compared to the fiberglass backing pad, the plastic one gives the disc greater rigidity. 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 (suitable for iron and steel). Also the discs with plastic backing pad, as well as those with fiberglass backing pads, are manufactured and tested in compliance with European standards according to 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 gives the disc a longer life.
- 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 the abrasive mixture in the peripheral area of the disc, minimizes the wasted material when the disc is finished.

VORTEX HT **STANDARD**

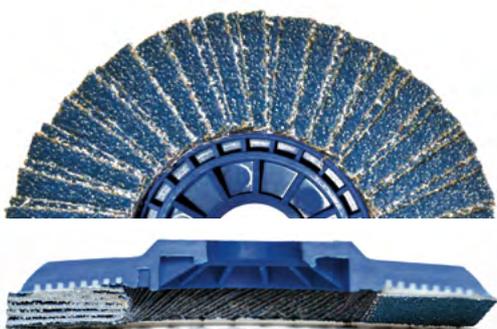
Less overheating of the metal thanks to the ventilation system

Easy and fast mounting, no need of flanges or wrenches.

VORTEX HT	+30% AVAILABLE CLOTH	UNUSED CLOTH: 25%
STANDARD		UNUSED CLOTH: 55%

VORTEX HT advantages: more cloth, less waste, longer life.

COMPACT is GLOBE's 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, the flaps so arranged do not yield under pressure, allowing to work accurately and precisely the desired metal part without affecting the surrounding areas. Even when working with the disc inclined, the 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.



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

HT (HIGH THICKNESS)

 STEEL	115x22,23	A 40	G3012 HT	20pz
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 **ALUMINIUM OXIDE**

 STAINLESS STEEL AND STEEL  ALUMINA ZIRCONIA	115x22,23	Z 40	G3112 HT	20pz
	115x22,23	Z 60	G3114 HT	20pz
	115x22,23	Z 80	G3115 HT	20pz
	115x22,23	Z 120	G3117 HT	20pz
	125x22,23	Z 40	G3132 HT	20pz
	125x22,23	Z 60	G3134 HT	20pz
	125x22,23	Z 80	G3135 HT	20pz

VORTEX HT

115xM14	Z 40	G3112 HTV	20pz
115xM14	Z 60	G3114 HTV	20pz
115xM14	Z 80	G3115 HTV	20pz
125xM14	Z 40	G3132 HTV	20pz
125xM14	Z 60	G3134 HTV	20pz
125xM14	Z 80	G3135 HTV	20pz



PLUS disc (sn) and **VORTEX HT** (dx).

 **STAINLESS STEEL AND STEEL**
 **CERAMIC GRAIN**

CERAMIC

115x22,23	CER 40	G3152 HT	20pz
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APPLICATION TYPE OF CLOTH	DIMENSIONS (diam - bore) mm	GRIT	VERSIONE PIANA COD. ART.	
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STANDARD

 STAINLESS STEEL AND STEEL  ALUMINA ZIRCONIA	115x22,23	Z 36	G3111	20pz
	115x22,23	Z 40	G3112	20pz
	115x22,23	Z 60	G3114	20pz
	115x22,23	Z 80	G3115	20pz
	115x22,23	Z 120	G3117	20pz
	125x22,23	Z 40	G3132	20pz
	125x22,23	Z 60	G3134	20pz
	125x22,23	Z 80	G3135	20pz
	178x22,23	Z 40	G3122	10pz
	178x22,23	Z 60	G3124	10pz

COMPACT

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



COMPACT

 STEEL  ALUMINUM OXIDE	115x22,23	A 36	G3011	20pz
	115x22,23	A 40	G3012	20pz
	115x22,23	A 60	G3014	20pz
	178x22,23	A 40	G3022	20pz
	178x22,23	A 60	G3024	10pz

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

BASIC

-  **INOX E ACCIAIO**
-  **ALUMINA ZIRCONIA**

RAPID

NEW	115x22,23	Z 40	G3112 R	20pz
NEW	115x22,23	Z 60	G3114 R	20pz
NEW	115x22,23	Z 80	G3115 R	20pz

PLUS

NEW	115x22,23	Z 40	G3112 40+	20pz
NEW	115x22,23	Z 60	G3114 60+	20pz
NEW	125x22,23	Z 40	G3132 40+	20pz
NEW	125x22,23	Z 60	G3134 60+	20pz

GF

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



PLUS disc.



GF flap disc.

-  **STEEL**

-  **ALUMINUM OXIDE**

GF

115x22,23	A 40	GF3012	20pz
115x22,23	A 60	GF3014	20pz
115x22,23	A 80	GF3015	20pz
115x22,23	A 120	GF3017	20pz

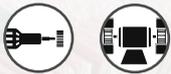


FLEXIBLE ABRASIVES FOR FINISHING



ABRASIVE CLOTHS AND PAPERS

- 62 ABRASIVE CLOTH (BELT, SHEETS, MINI ROLLS AND ROLLS)
- 64 ABRASIVE PAPER (ROLLS AND SHEETS)



SHAFT MOUNTED FLAP WHEELS AND FLAP WHEELS

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



- 67 FIBER DISCS (FOR PORTABLE ANGLE GRINDERS)



542 J FF - 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.

562 J FF - Very good adaptability on highly shaped parts and on soft metals such as pewter, zamac and aluminum. Grinding aids avoid belt clogging and make this product very effective on low heat conductive materials.

531 J FF - Especially indicated on narrow radii less than 5 mm, very flexible product. Very good performance on wood profile with shaped pad. Examples: profiled aluminum bars.

641 P F - Manual grinding of all kind of metals, profile finishing, mould polishing. Normally offered from stock in economy rolls.

541 J F - Versatile, aluminum oxide product, indicated for metal grinding in general, on both manual and obotic applications. Tear resistant, and flexible polycotton backing.

KK 511 J - A very versatile product, suited for dry grinding of steel, bronze, and brass fittings, on manual or automatic grinding machines.

KK 711 T - Excellent wear-out when used in flap wheels or stainless steel parts brushing. Semi-rigid backing makes it very effective when converted into belts for dry grinding of all metals.

642 X FN - Versatile product for general dry grinding of all non ferrous materials.

KK 711 X - Very good performance and service life. Excellent grain adhesion makes it extremely effective in aluminum parts deburring. Aluminum fittings, tubes and bars, cast iron parts. Suited to be used in wet applications up to grit 80.

KK 711 Y - Completely water and oil resistant. Very good surface finish on steel and stainless steel flat work-pieces and on centerless applications such as brass tubes and bars grinding.

KK 813 X - Indicated for dry applications such as weld removal of stainless steel work-pieces (sinks, round tubes). Very good stock removal and cool cutting action made possible by grinding aids.

942 J - Used on dry grinding and finishing for shaped parts such as brass fittings and taps, fibreglass.

CK 721X - Silicon carbide product indicated for grinding and finishing of flat work-pieces. Examples: brass, composite materials, glass, natural stone, marble. Water resistant up to grit 180.

341 X - Versatile zirconia alumina product on a strong cotton backing, that can be used as belts, flap wheels, spiral bands or flap discs. For dry metal grinding in general. Very good polyester backing zirconia alumina product that can be used in dry and wet applications. Examples: flat grinding of steel and stainless steel tubes and bars, metal furniture parts.

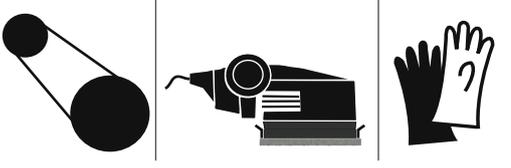
XK 760 X - Very aggressive ceramic product. High resistance to oil and water. Excellent performance on wet grinding of flat stainless steel tubes and bars, and dry grinding of carbon steel.

SK 850 X - Engineered for stainless steel applications. Very effective on weld removal (stainless steel sinks) and high stock removal needs on alloyed steels in general. Very strong backing. Grinding aids for a cool cutting process.

XK 870 F - Very good adaptability to very profiled workpieces, especially stainless steel parts. Examples: surgical tools, knives blades and turbine blades. Grinding aids.

XK 870 X - Excellent on high stock removal applications. Powerful ceramic grain for high cut rate and cool cutting due to the grinding aids. Indicated for: stainless steel tanks and flat sheets, alloyed steels in general, titanium.

KK 712 X - Compact-grain product with very high service life and uniform surface finish. Drastically reduces idle machine time. Dry and wet grinding of steel and stainless steel round or flat parts.



ABRASIVE CLOTH: BELTS, ECONOMY SHEETS, MINI ROLLS AND ROLLS



BELTS

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT										
		24	36	40	60	80	100	120	150	180	220	

COMPOSITION
Standard aluminum oxide cloth belts, type 642 X FN. Strong X cotton backing.

USE
For dry grinding of all kind of metals and of wood.

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	DIMENSION (HxL) mm	GRIT							
		24	36	40	60	80	100	120	

COMPOSITION
Zirconia cloth belts, type 341 X. Strong X cotton backing.

USE
For high stock removal on stainless and carbon steel, grey iron, and for parquet 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

ECONOMY SHEETS

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT							
		60	80	100	120	150	180	240	

COMPOSITION
Aluminum Oxide sheets type 641 PF. Flexible cotton backing.

USE
Very versatile, long life product. Mainly for manual grinding of metals, profile and die-cut burs finishing, mechanical parts.

230x280	●	●	●	●	●	●	●	●	100fg
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ECONOMY MINI ROLLS

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT							
		60	80	100	120	150	180	240	

COMPOSITION
Aluminum oxide flexible cotton backing cloth type 641 PF.

115x5.000	●	●	●	●	●	●	●	●	●	5mt
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USE

For manual grinding of metal parts and for difficult to reach spots. Ideal for grinding and finishing of concave or convex parts. Backing strength and good grain adhesion allow to use it on all material.

ECONOMY ROLLS

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT								
		40	50	60	80	100	120	150	180	

COMPOSITION
Aluminum oxide flexible cotton backing cloth type 641 PF.

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

USE

Backing strength and good grain adhesion allow to use it on all material.

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT								
		40	50	60	80	100	120	150	180	

COMPOSITION
Aluminum oxide flexible cotton backing cloth type 531 J FF.

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

USE

Ideal for grinding and finishing of concave or convex parts.

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT								
		40	50	60	80	100	120	150	180	

COMPOSITION
Aluminum oxide flexible cotton backing cloth type KK 114 F.

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

USE

Finishing of concave or convex parts. Backing strength and good grain adhesion allow to use it on all mater.

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT								
		40	50	60	80	100	120	150	180	

COMPOSITION
Aluminum oxide flexible cotton backing cloth type 531 J FF.

50x50.000	●	●	●	●	●	●	●	●	●	●	●	50mt
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USE

For manual grinding of metal parts and for difficult to reach spots.



ABRASIVE PAPER: ROLLS AND SHEETS



ROLLS

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT										
		40	60	80	100	120	150	180	220	240	280	

- COMPOSITION**
 Aluminum oxide.
 Paper 542 C7
 from gr. 40 to gr.120 (weight C).
 Paper 542 B7
 from gr.150 to gr.400 (weight B)
USE
 Mainly used on wood, lacquers
 and plastic.

115x50.000	<input checked="" type="checkbox"/>	50mt											
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SHEETS

SPECIFICATIONS	DIMENSION (HxL) mm	GRIT										
		40	60	80	100	120	150	180	220	240	280	

- COMPOSITION**
 Aluminum oxide.
 Paper 542 C7
 from gr. 40 to gr.120 (weight C).
 Paper 542 B7
 from gr.150 to gr.400 (weight B).
USE
 For manual working on wood,
 lacquers and plastic.

230x280	<input checked="" type="checkbox"/>	50fg											
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SPECIFICATIONS	DIMENSION (HxL) mm	GRIT										
		40	60	80	100	120	150	180	220	240	280	

- COMPOSITION**
 Silicon carbide paper.
 Paper 991 C
 from gr. 80 to gr. 1000.
 Paper 991 A
 from gr.1200 to gr. 5000.
USE
 For manual working mainly on
 glass and paints, and for car
 body wet polishing.

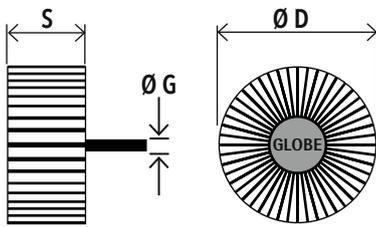
230x280	<input checked="" type="checkbox"/>	50fg											
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SHAFT MOUNTED FLAP WHEELS FOR PORTABLE STRAIGHT GRINDERS

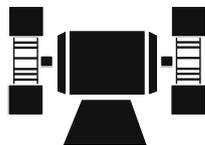


FINISHING AND POLISHING

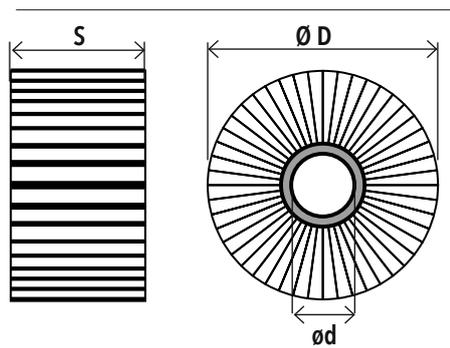


GLOBE SHAFT-MOUNTED FLAP WHEELS are characterized by top quality cloth and excellent fabric of the support cloth that does not burn during use and does not produce bad smells; it wears evenly ensuring optimum change and cutting rate. On request, wheels with 8 mm shaft can be manufactured. Thanks to the noiselessness during use and perfect balancing, they represent an excellent tool for finishing and silking jobs. 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.

DIMENSION (mm)			GRIT							pz
DIAM. (D)	THICK. (S)	SHAFT (G)	40	60	80	120	180	220	320	
			ART. CODE							
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



ABRASIVE FLAP WHEELS FOR BENCH GRINDERS



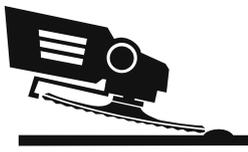
DIMENSION (mm)			GRIT						pz
DIAM. (D)	THICK. (S)	BORE (d)	40 ART. CODE	50 ART. CODE	60 ART. CODE	80 ART. CODE	100 ART. CODE	120 ART. CODE	
100	30	26,00	G4511	G4512	G4513	G4514	G4515	G4611	10
100	50	26,00	G4521	G4522	G4523	G4524	G4525	G4621	10
165	30	54,00	G4541	G4542	G4543	G4544	G4545	G4641	10
165	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

DIMENSION (mm)			150	180	GRIT 220	240	320	pz
DIAM. (D)	THICK. (S)	BORE (diámetro)	ART. CODE	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
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 THE FLAP WHEEL

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 article code to identify corundum wheels.



FIBER DISCS FOR PORTABLE ANGLE GRINDERS

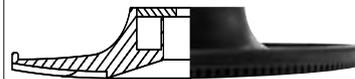


GLOBE FIBER SANDING DISCS are manufactured with fibers of the best quality. Great care has been taken to obtain homogeneous and accurate distribution of abrasive. Abrasive grains, exposed to a high potential electrostatic field, always turn their points upwards and the maximum cutting rate is reached. Mixtures, made with corundum, alumina zirconia or silicon carbide allow to reach excellent performances on iron, steel, stainless steel and materials for construction industry. The special dressing, especially in the zirconium type, prevents overheating of work-pieces. To be always used with the special backing pads.

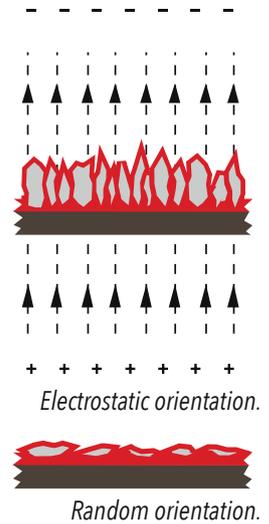


Ceramic grains viewed under a microscope.

AVAILABLE BACKING PADS:
 Ø115 (art. code G3400 115)
 Ø125 (art. code G3400 125) bore M14.
 For more informations: pag. 86.



GLOBE backing pads.



ABRASIVE MIXTURE WITH SPECIAL COOLING COMPOUNDS

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

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 hardness and toughness of grain.

ELECTROSTATIC ORIENTATION OF GRAINS

During the 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 the 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 the very high removal, to the exceptional durability and user comfort that decrease work breaks.

A RENEWED RANGE OF CORUNDUM AND ZIRCONIUM SANDING DISCS

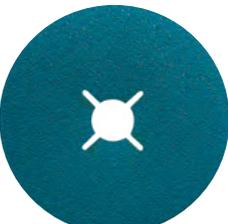
Besides the new ceramic sanding disc, GLOBE developed a new, completely renewed range of zirconium and corundum sanding discs that are able to obtain performances 20% higher than the previous formulation as well as a longer durability.

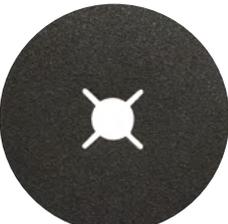
BACKING PADS

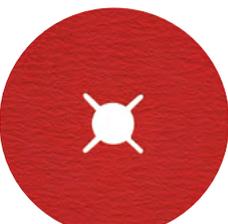
GLOBE sanding discs always have to be combined with our special backing pads to offer the best performance.



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

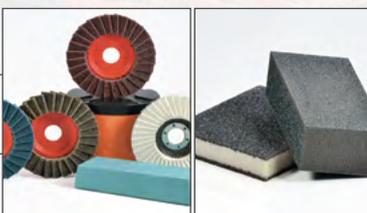
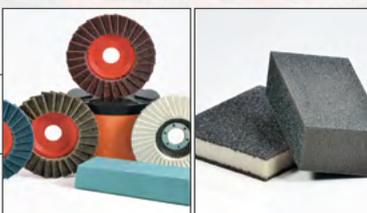
 STAINLESS STEEL ZIRCONIUM-TYPE 03A		115	22,23	-	G3521	G3522	G3523	G3524	G3525	G3526	G3527	G3528	50
				G3521 TOP	G3522 TOP	G3523 TOP	G3524 TOP	G3525 TOP	G3526 TOP	G3527 TOP	G3528 TOP		
		125	22,23	-	G3531	G3532	G3533	G3534	G3535	G3536	G3537	G3538	50
				G3531 TOP	G3532 TOP	G3533 TOP	G3534 TOP	G3535 TOP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

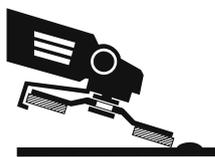
 STONE SILICON CARBIDE-TYPE 02C		115	22,23	-	G3621	G3622	G3623	G3624	G3625	G3626	G3627	-	-	50
				G3621 TOP	G3622 TOP	G3623 TOP	G3624 TOP	G3625 TOP	G3626 TOP	G3627 TOP				
		125	22,23	-	G3631	G3632	G3633	G3634	G3635	G3636	G3637	-	-	50
G3631 TOP	G3632 TOP			G3633 TOP	G3634 TOP	G3635 TOP	G3636 TOP	G3637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

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



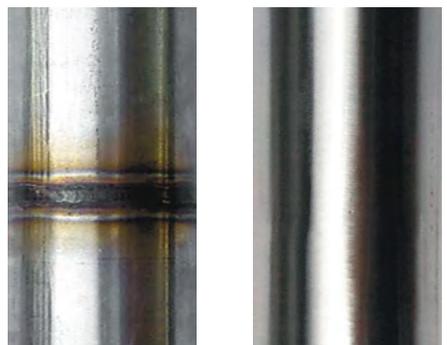
FLEXIBLE ABRASIVES FOR POLISHING

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



NON-WOVEN+CANVAS FLAP DISCS

FOR GRINDING AND FINISHING IN ONE SINGLE PASS



Comparisons of cleaning and polishing of weldings on stainless steel tube: before and after.



FINISHING PRO was born from the idea of creating a new generation flapdisc by combining normal flap of abrasive canvas with non-woven flaps, typical of finishing discs. Abrasive canvas flaps are for "roughing" while non-woven flaps, due to their fine grit, poli metal giving it a very low surface roughness and a shiny aspect. The new ceramic version of FINISHIN PRO gives a removal speed that is at least double compared to that of corundum discs and it lasts 50% more. It is designed to obtain not too high finishing levels, giving priority to working execution speed. An excellent combination may be using the ultra coarse version for rough grinding and the fine grit version for final polishing.



ULTRA COARSE (CERAMIC)



COARSE (CORUNDUM)



MEDIUM (CORUNDUM)



FINE (CORUNDUM)

SPEED: in order to obtain the best results, it is convenient to use discs between 3.300 and 6.000 rpm on grinding machines with adjustable speed. This gives the disc the best performance and maximum lifetime.

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

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 operation
- Removing of imperfections and welding mistakes
- Preparation of surfaces
- Removing welding drops
- Light grinding

THE ADVANTAGES OF FINISHING PRO

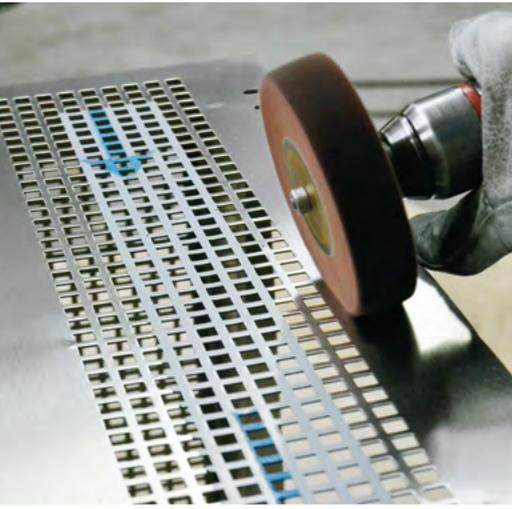
- High quality of abrasive canvas
- Comfort in use and maximum safety
- Professional finishing
- Maximum time-saving (grinding and polishing in a single pass)
- Shiny surfaces and homogeneous finishing
- Long life
- Excellent performance also for curved surfaces
- Materials: stainless steel, special alloys and aluminum
- No vibrations
- No overheating of the metal

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

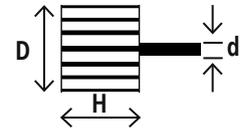




SHAFT MOUNTED FLAP WHEELS, NON-WOVEN AND NON-WOVEN+CANVAS FOR THE **SATIN FINISHING** WITH PORTABLE AXIAL GRINDERS



Non-woven **FLAP WHEELS** composed by Corundum and non-woven+abrasive canvas with 6 mm shaft. These are similar to the non-woven wheels, but with the addition of the abrasive canvas, it allows a better removal eliminating the possible scratches left on the processed object.



**SHAFT MOUNTED FLAP WHEELS +
NON WOVEN CORUNDUM +
CANVAS**

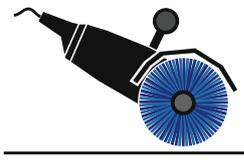
DIMENSION (mm)	GRIT									p2
	60	80	100	100	120	150	180	240	320	
DxHxd	ART. CODE	ART. CODE	ART. CODE							
30x20x6	G8001 A060 M	G8001 A080 M	G8001 A100 M	G8001 A100 F	G8001 A120 F	G8001 A150 F	G8001 A180 VF	G8001 A240 VF	G8001 A320 VF	50
30x30x6	G8002 A060 M	G8002 A080 M	G8002 A100 M	G8002 A100 F	G8002 A120 F	G8002 A150 F	G8002 A180 VF	G8002 A240 VF	G8002 A320 VF	50
40x20x6	G8003 A060 M	G8003 A080 M	G8003 A100 M	G8003 A100 F	G8003 A120 F	G8003 A150 F	G8003 A180 VF	G8003 A240 VF	G8003 A320 VF	50
40x30x6	G8004 A060 M	G8004 A080 M	G8004 A100 M	G8004 A100 F	G8004 A120 F	G8004 A150 F	G8004 A180 VF	G8004 A240 VF	G8004 A320 VF	50
50x20x6	G8005 A060 M	G8005 A080 M	G8005 A100 M	G8005 A100 F	G8005 A120 F	G8005 A150 F	G8005 A180 VF	G8005 A240 VF	G8005 A320 VF	50
50x25x6	G8006 A060 M	G8006 A080 M	G8006 A100 M	G8006 A100 F	G8006 A120 F	G8006 A150 F	G8006 A180 VF	G8006 A240 VF	G8006 A320 VF	50
50x30x6	G8007 A060 M	G8007 A080 M	G8007 A100 M	G8007 A100 F	G8007 A120 F	G8007 A150 F	G8007 A180 VF	G8007 A240 VF	G8007 A320 VF	50
50x40x6	G8008 A060 M	G8008 A080 M	G8008 A100 M	G8008 A100 F	G8008 A120 F	G8008 A150 F	G8008 A180 VF	G8008 A240 VF	G8008 A320 VF	50
50x50x6	G8009 A060 M	G8009 A080 M	G8009 A100 M	G8009 A100 F	G8009 A120 F	G8009 A150 F	G8009 A180 VF	G8009 A240 VF	G8009 A320 VF	50
60x30x6	G8010 A060 M	G8010 A080 M	G8010 A100 M	G8010 A100 F	G8010 A120 F	G8010 A150 F	G8010 A180 VF	G8010 A240 VF	G8010 A320 VF	50
60x40x6	G8011 A060 M	G8011 A080 M	G8011 A100 M	G8011 A100 F	G8011 A120 F	G8011 A150 F	G8011 A180 VF	G8011 A240 VF	G8011 A320 VF	50
60x50x6	G8012 A060 M	G8012 A080 M	G8012 A100 M	G8012 A100 F	G8012 A120 F	G8012 A150 F	G8012 A180 VF	G8012 A240 VF	G8012 A320 VF	50
80x20x6	G8013 A060 M	G8013 A080 M	G8013 A100 M	G8013 A100 F	G8013 A120 F	G8013 A150 F	G8013 A180 VF	G8013 A240 VF	G8013 A320 VF	50
30x30x6	G8014 A060 M	G8014 A080 M	G8014 A100 M	G8014 A100 F	G8014 A120 F	G8014 A150 F	G8014 A180 VF	G8014 A240 VF	G8014 A320 VF	50
80x40x6	G8015 A060 M	G8015 A080 M	G8015 A100 M	G8015 A100 F	G8015 A120 F	G8015 A150 F	G8015 A180 VF	G8015 A240 VF	G8015 A320 VF	50
80x50x6	G8016 A060 M	G8016 A080 M	G8016 A100 M	G8016 A100 F	G8016 A120 F	G8016 A150 F	G8016 A180 VF	G8016 A240 VF	G8016 A320 VF	50

NON WOVEN CORUNDUM

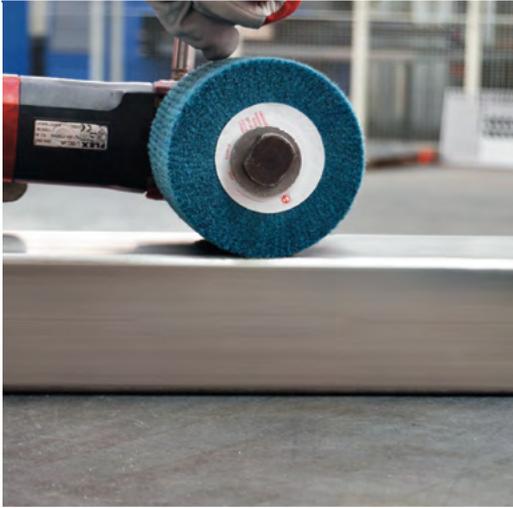
DIMENSION (mm)	GRIT				p2
	COARSE	MEDIUM	FINE	VERY FINE	
DxHxd	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
30x10x3	G7611	G7612	G7613	G7614	50
30x15x3	G7621	G7622	G7623	G7624	50
30x20x6	G7631	G7632	G7633	G7634	50
30x30x6	G7641	G7642	G7643	G7644	50
40x20x6	G7651	G7652	G7653	G7654	50
40x30x6	G7661	G7662	G7663	G7664	50
50x20x6	G7671	G7672	G7673	G7674	50
50x25x6	G7681	G7682	G7683	G7684	50
50x30x6	G7691	G7692	G7693	G7694	50
50x40x6	G7701	G7702	G7703	G7704	50
50x50x6	G7711	G7712	G7713	G7714	50
60x30x6	G7721	G7722	G7723	G7724	50
60x40x6	G7731	G7732	G7733	G7734	50
60x50x6	G7741	G7742	G7743	G7744	50
80x20x6	G7751	G7752	G7753	G7754	50
30x30x6	G7761	G7762	G7763	G7764	50
80x40x6	G7771	G7772	G7773	G7774	50
80x50x6	G7781	G7782	G7783	G7784	50

NON WOVEN SILICON CARBIDE

DIMENSION (mm)	GRIT				p2
	MEDIUM	FINE	VERY FINE	ULTRA FINE	
DxHxd	ART. CODE	ART. CODE	ART. CODE	ART. CODE	
30x10x3	G7811	G7812	G7813	G7814	50
30x15x3	G7821	G7822	G7823	G7824	50
30x20x6	G7831	G7832	G7833	G7834	50
30x30x6	G7841	G7842	G7843	G7844	50
40x20x6	G7851	G7852	G7853	G7854	50
40x30x6	G7861	G7862	G7863	G7864	50
50x20x6	G7871	G7872	G7873	G7874	50
50x25x6	G7881	G7882	G7883	G7884	50
50x30x6	G7891	G7892	G7893	G7894	50
50x40x6	G7901	G7902	G7903	G7904	50
50x50x6	G7911	G7912	G7913	G7914	50
60x30x6	G7921	G7922	G7923	G7924	50
60x40x6	G7931	G7932	G7933	G7934	50
60x50x6	G7941	G7942	G7943	G7944	50
80x20x6	G7951	G7952	G7953	G7954	50
30x30x6	G7961	G7962	G7963	G7964	50
80x40x6	G7971	G7972	G7973	G7974	50
80x50x6	G7981	G7982	G7983	G7984	50



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



The **ROLLS** for satinizing machines (or wheels) with GLOBE "key-clutch" are the most versatile tools for the finishing on every material, they allow working on a wide area increasing the yield of our productions.



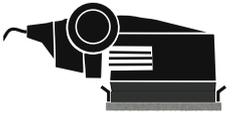
THE ADVANTAGES OF GLOBE ROLLS

- Compact and uniform in the processing
- Wide working surface
- Long life
- They don't heat the object to process
- Anti-obstruction

SUGGESTED WORKS

- satin finishing and cleaning of metals, normal or special stainless steel
- decorative finishes of stainless steel, aluminium and brass
- removal of oxidations, fats and paints
- processing of aluminium / non-ferrous metals / cast iron / titanium alloys, sanding of rough and painted woods
- production and maintenance of machines and plants for the food, chemical, pharmaceutical industry and hospitals
- steel and stainless steel furnishings, extractor hoods, electrical appliances, kitchens and quality finishes
- plastic, paint, varnish, plaster, stone or wood

ABRASIVE TYPE	DIMENSION (length-width-bore) mm	GRIT	ART. CODE	
NON WOVEN ROLLS WITH ZIRCONIUM These tools are composed of non-woven thin sheets radially stuck on a central core.	100x100x19 (key-clutch)	COARSE	G6621	1pz
	100x100x19 (key-clutch)	MEDIUM	G6626	1pz
	100x100x19 (key-clutch)	FINE	G6631	1pz
	100x100x19 (key-clutch)	VERY FINE	G6636	1pz
NON WOVEN + CANVAS WITH ALTERNATE THIN SHEETS The non-woven ones tend to finish the metal on which they are used, while the canvas ones guarantee the best removal eliminating possible signs left on the object.	100x100x19 (key-clutch)	A 40	G6642	4pz
	100x100x19 (key-clutch)	A 60	G6626	4pz
	100x100x19 (key-clutch)	A 80	G6631	4pz
	100x100x19 (key-clutch)	A 120	G6636	4pz
CORUNDUM ROLLS Fully composed by abrasive canvas. They are used on every type of metal. In the coarsest grits, they can be used also on stones, marble and fiberglass.	100x100x19 (key-clutch)	A 40	G6672	1pz
	100x100x19 (key-clutch)	A 60	G6674	1pz
	100x100x19 (key-clutch)	A 80	G6675	1pz
	100x100x19 (key-clutch)	A 120	G6677	1pz
	100x100x19 (key-clutch)	A 180	G6679	1pz
	100x100x19 (key-clutch)	A 240	G6681	1pz
	100x100x19 (key-clutch)	A 320	G6683	1pz



NON-WOVEN BUFFING PADS AND ROLLS FOR CLEANING, SATINIZING AND POLISHING

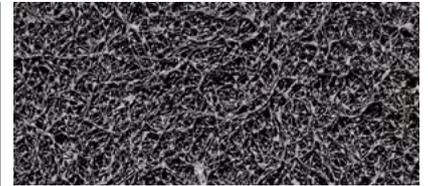


NON WOVEN PADS and **ROLLS** are used for hand works or mounted on orbital or rectilinear polishers. With this type of extremely versatile product that is available in the Aluminium Oxide and Silicon Carbide versions, it is possible to work in an excellent way on a wide variety of surfaces: steel, iron, 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 make paintwork mat. Thanks to the special density of material, it does not clog even with difficult surfaces such as filler.

WOOD: for the finishing of raw material on painted base.



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

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. Differently from traditional abra-sive cloths, NONWOVEN BUFFING PADS and ROLLS can be used on both sides, increasing their lifetime and economy.

ADVANTAGES OF NON-WOVEN BUFFING PADS AND ROLLS

- Easy to use
- Does 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 pz.

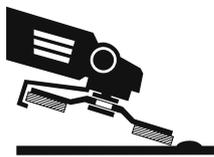
Aluminium Oxide



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



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



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



The new GLOBE **SCRUBBER** disc is conceived for cleaning surfaces of stainless steel, steel and non ferrous metals, allowing to eliminate: paints 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. GLOBE "SCRUBBER" is suitable for dia-meter 115 angle grinders.

MATERIALS THAT CAN BE TREATED WITH GLOBE "SCRUBBER"

stainless steel and steel, aluminium, titanium, non ferrous metals and their alloys, marble, granite and 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, cement, salt, grease



Before (SN) and after (DX)
SCRUBBER pass.



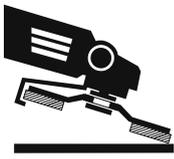
The special structure of the compound.

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

THE ADVANTAGES OF SCRUBBER

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



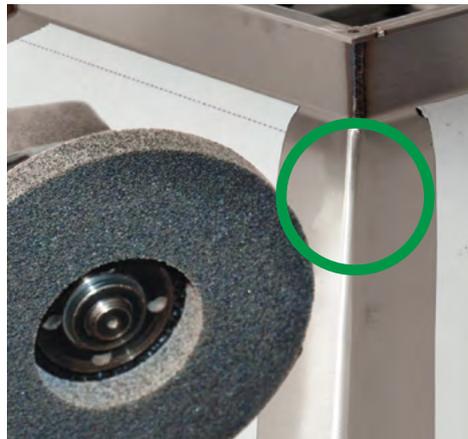
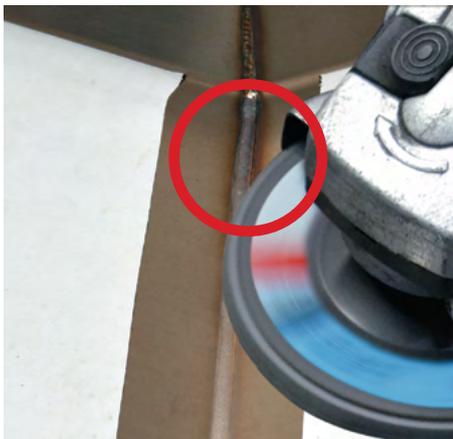
"SHINING" NON-WOVEN POLISHING DISC FOR PORTABLE ANGLE GRINDERS



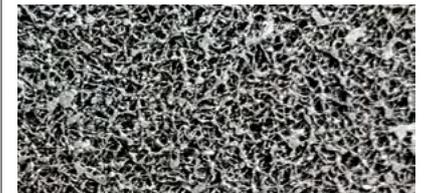
The disc GLOBE **"SHINING"** is part of a new generation of abrasive products for finishing. GLOBE **"SHINING"** is made by a fiberglass backing pad on which a three dimensional material in nylon impregnated by synthetic resin and abrasive is installed. This material is simply called non-woven fabric and it is perfect for a simple and adaptable finishing. **"SHINING"** is suitable 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 to an excellent finishing. **"SHINING"** is suitable for Ø 115 angle grinders.

THE ADVANTAGES 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



Before (SN) and after (DX) SHINING pass.

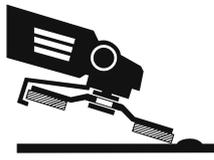


The special structure of the compound.

MAIN USES OF SHINING

- Quick removal of pitting
- Removal of material and roundings
- Finishing of Tig and Mig/Magweldings
- Correction of grinding errors
- Removal of imperfections without changing the workpiece geometry
- Removal of milling scratches
- Removal of paintings or coverings
- Removal of oxidations; rust and calamine...
- Pre-polish.
- 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	DIMENSION (diam - bore) mm	GRIT	ART. CODE	
● ALUMINIUM OXIDE	115x22,23	FINE/MEDIUM	G6116	5pz
	115x22,23	MEDIUM/MEDIUM	G6125	5pz
	125x22,23	FINE/MEDIUM	G6146	5pz
	125x22,23	MEDIUM/MEDIUM	G6155	5pz
● SILICON CARBIDE	115x22,23	VERY FINE/FINE	G6113	5pz
	115x22,23	VERY FINE/MEDIUM	G6117	5pz
	125x22,23	VERY FINE/FINE	G6143	5pz
	125x22,23	VERY FINE/MEDIUM	G6147	5pz



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



NON-WOVEN FLAP DISCS

	DIMENSION (diam - bore) mm	GRIT		ART. CODE	
NEW	115x22,23	COARSE		G6051	10pz
NEW	125x22,23	COARSE		G6071	10pz
NEW	115x22,23		MEDIUM	G6052	10pz
NEW	125x22,23		MEDIUM	G6072	10pz
NEW	115x22,23		VERY FINE	G6053	10pz
NEW	125x22,23		VERY FINE	G6073	10pz

NON-WOVEN FLAP DISCS

TAMPONI flap discs composed by thin sheets of **SURFACE CONDITIONING**.

CHARACTERISTICS

This material is aggressive and long-lasting, thanks to its particularly rich structure, which doesn't allow the obstructions.

TO BE USED

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

FELT FLAP DISCS

Felt flap discs, fiberglass support for the polishing along with the abrasive paste.

TO BE USED

To be used on angle grinding machines at low speed (suggested 6.000 RPM).

FELT FLAP DISC AND POLISHING PASTE

	DIMENSION (diam - bore) mm		ART. CODE	
NEW	115x22,23	FELT DISC	G6081	10pz
NEW	125x22,23	FELT DISC	G6082	10pz

	DIMENSION (length-width-depth) mm		ART. CODE	
NEW	156x52x35	POLISHING PASTE	G6083	10pz



Felt disc and polishing paste.



ABRASIVE BARS AND SPONGES

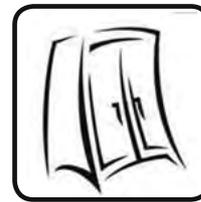
MANUAL USE



ABRASIVE BARS AND SPONGES

they are manually used both dry or damp.

Main sectors of use:
 NAVIGATION
 CARPENTRY AND RESTORATION
 BODYWORK

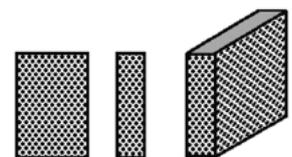


THIN AND EXTRA-FLEXIBLE ABRASIVE BARS: abrasive on 4 sides.

APPLICATIONS

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

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



ABRASIVE SPONGES: abrasive on 2 sides.

APPLICATIONS

To use for the sanding and finishing of:

- on every type of surface (edges, angles, grooves...)
- on material like metal (bodyworks...) and wood (doors, windows, tables, chairs...)
- they adapt to the shape of the surfaces to process, and they keep the flat shape on 4 sides
- they can be rinsed after use

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



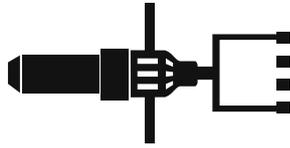


80 **SEGMENTED AND CONTINUOUS RIM DIAMOND DISCS**
FOR PORTABLE ANGLE GRINDERS OR
MACHINE WITH COMBUSTION ENGINE



81 **DIAMOND CORERS**
FOR PORTABLE AXIAL MACHINES





GLOBE DIAMOND LINE

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

- **CONTINUOUS CROWN DIAMOND DISCS**
- **SECTOR DIAMOND DISCS**
- **DIAMOND CORERS**

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

CEMENT
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 any occasion. The specific disc for STONEWARE is available in PLUS quality, with diameter 115 mm.



Segmented diamond discs with packaging.

SEGMENTED 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 corers 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.



DIAMAND DISCS FOR PORTABLE ANGLE GRINDERS AND MACHINE WITH COMBUSTION ENGINE



CONTINUOUS RIM DIAMOND DISCS

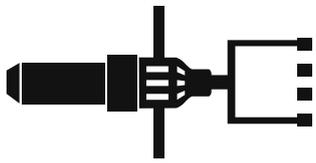
NEW
NEW
NEW
NEW
NEW
NEW
NEW

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

SEGMENTED DISCS

NEW
NEW
NEW
NEW
NEW

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



DIAMOND CORE DRILL BITS FOR PORTABLE AXIAL MACHINES



Execution of a bore for local ventilation.

DIAMOND CORERS

	MATERIAL	DIMENSION (diam-length) mm	SPECIFICATIONS	USE SPEED	ARTICLE CODE	
NEW	UNIVERSAL	62x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7311	1pz
NEW	UNIVERSAL	82x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7321	1pz
NEW	UNIVERSAL	102x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7331	1pz
NEW	UNIVERSAL	127x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7341	1pz
NEW	UNIVERSAL	162x150	DIAMOND CORE DRILL BITS for dry use	80 m/s	G7351	1pz

- 83 STEEL AND BRASS BRUSHES
FOR GRINDING MACHINES AND MANUAL USE



- 84 ECO-FRIENDLY CLEANERS FOR METALS
UNIVERSAL CLEANERS: **CLEANER**
CLEANERS: **HV CLEANER, INOX CLEANER**
FINISHING AND STEEL PROTECTION: **SHINOX**



- 85 WELDING PRODUCTS
GEL: **WELD DYN**
SPRAY: **WELD EVO**
AEROSOL: **WELD PLUS**



- 86 ACCESSORIES FOR FIBERDISCS
BACKING PADS FOR FIBERGLASS DISCS
RINGS FOR FIBER DISCS



- 86 THICK RING AND SPACER TOOLS FOR CUTTING AND GRINDING DISCS
THICK RING FOR ABRASIVE DISCS
STEEL SPACER TOOLS FOR ABRASIVE DISCS



- 87 PROFESSIONAL GLOVES AND WELDER APRON



- 88 PACKAGING AND DISPLAYERS
COUNTER DISPLAY
FLOOR DISPLAY
PATENTED PACKAGING



STEEL AND BRASS BRUSHES FOR GRINDING MACHINES AND MANUAL USE

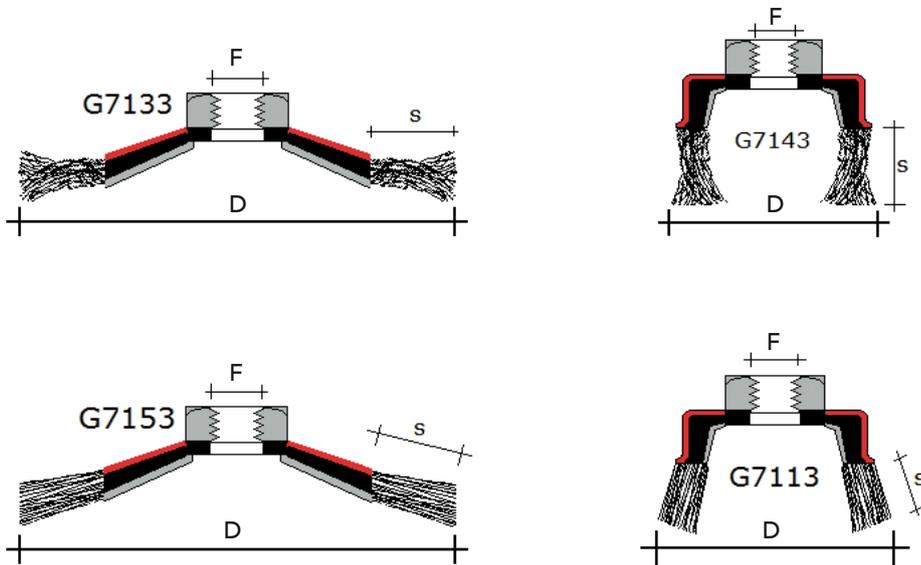


STEEL AND BRASS BRUSHES

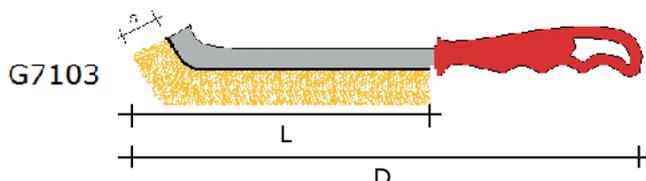
They are used for manual works both dry and damp.

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

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



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



ECOLOGICAL CLEANERS

CLEAN

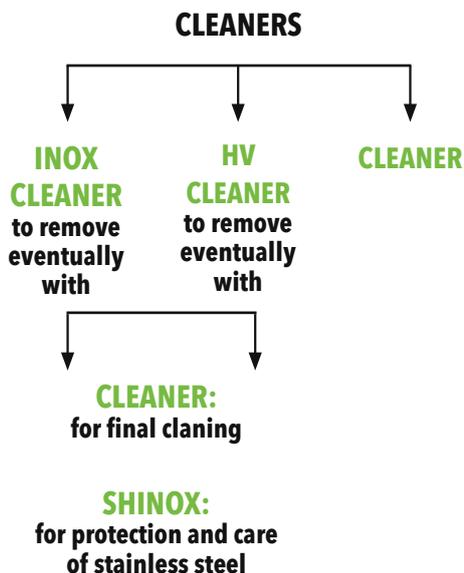
DEGREASE

POLISH



GLOBE "CLEANERS": COMPLETE RANGE OF GLOBE 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.



CLEANER

Universal product containing natural solvents, for cleaning surfaces from grease and oil. It is used for the finalcleaning of a workpiece or for the cleaning of the part of a piece to be welded. It doesn't leave any residual contamination. It's the ideal ecological alternative to NITRO thinner, with the addition of the following advantages: no smell, more comfort in use, same cleaning efficienc, non-flammable environmentally-friendly. Spray with the specifictrigger and remove by means of a cloth or paper. More product you use, better will be the result. It's very important to let it act for few minutes before removing it.

HV CLEANER

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

INOX CLEANER

Product specifically designed for cleaning stainless steel: very dirty surfaces, corrosions, scales and rust from contact with a rusty piece. It's a 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 whitening teeth). The abrasive action of the corundum micrograin, combined with the chemical action of the acid, makes it very similar to an abrasive paste. To get a more accurate cleaning, use the special manual pad (see picture aside). Once treated with INOXCLEANER, clean the piece with CLEANER or rinse with water.

SHINOX

This product is developed specificallyfor the treatment and care of stainless steel. It is a water-based product to be sprayed on the piece after cleaning. It removes any residue, removes grease and leaves a protective, dry and shining film Its priority is to make the piece shiny and protect it. Spray with the specifictrigger and remove by means of a cloth or paper. More product you use, better will be the result. It's very important to let it act for few minutes before removing it.

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

WELDING ANTI-SPATTER PRODUCTS



WELD: THE PRODUCT RANGE FOR WELDING PREPARATION

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	ARTICLE CODE	
NEW WELD DYN	TIN	Antispatter gel	GL0010	1pz
NEW WELD EVO	BOTTLE	Transparent spray with sprinkler	GL0020	1pz
NEW WELD PLUS	SPRAY	Aerosol to spray on the welding torch	GL0030	1pz



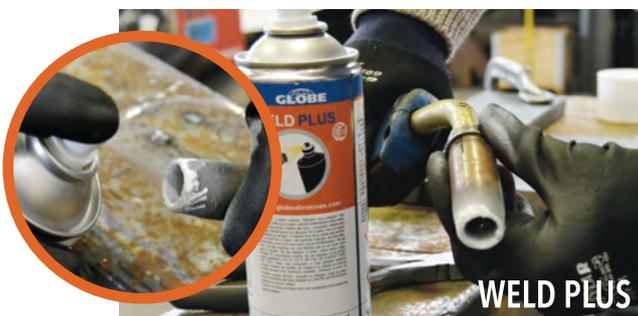
WELD DYN

Gel similar to grease/vaseline. Dip for a few centimeters the hot welding torch into the grease (contained in the tin can). 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

Transparent 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 surface. For a better result, it is recommended to remove it with GLOBE "CLEANER".



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. It contains Boron Nitride. 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 AND SUPPLEMENTS FOR FIBERDISCS, DISCS AND WHEELS



The GLOBE **BACKING PADS FOR FIBERDISCS** are built with a mix of plastic materials and with a geometry such that they give the right flexibility to work properly and maximising the yield of the abrasive fiberdisc. The flexibility is constant also with the change of the temperature conditions. The clamping rings, subjected to a greater consumption, are also available separately.

DIMENSION (diam.) mm	DESCRIPTION	ARTICLE CODE	
115	BACKING PAD FOR FIBERDISC	G3400 115	1pz
125	BACKING PAD FOR FIBERDISC	G3400 125	1pz
	CLAMPING RING		1pz



The **STEEL GLOBE THICK RINGS**, available in 3 different heights, adapt to all machines available on the market. Complied with the normal rings at disposal, nevertheless they are more high and usable for all types of abrasive wheels. Choosing the correct height, it is possible to position the abrasive disc in a convenient position (be careful that the disc is always included inside the protection carter of the grinding machine). Useful in the use of the grinding machine, 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.

DIMENSION (thick) mm	DESCRIPTION	ARTICLE CODE	
12	SPACER FLANGE FOR TURBOTWISTER	G0800-12	1pz
16	SPACER FLANGE FOR TURBOTWISTER	G0800-16	1pz
18	SPACER FLANGE FOR TURBOTWISTER	G0800-18	1pz



The new **STEEL FLANGES** are studied for the use of semi-flexible discs and center depressed cutting discs. They allow carrying out a perfect installation of the product positioning it in the most convenient position for the work. The telescopic clamping flange guarantees a perfect balance without vibrations.

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



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

DESCRIPTION	ARTICLE CODE	
PLASTIC SPACER TOOL FOR FLEXECELENCE (BORE M14)	G3330 SPA M14	5pz
PLASTIC SPACER TOOL FOR FLEXECELENCE BORE (5/8-11)	G3330 SPA 5/8	5pz



PROFESSIONAL GLOVES AND APRONS



	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	ANTI-SLIP BLACK GLOVES	TG.08	G4901 08	PAIRS	1pz
NEW	ANTI-SLIP BLACK GLOVES	TG.09	G4901 09	PAIRS	1pz
NEW	ANTI-SLIP BLACK GLOVES	TG.10	G4901 10	PAIRS	1pz
NEW	ANTI-SLIP BLACK GLOVES	TG.11	G4901 11	PAIRS	1pz



Nylon gloves without stitching covered with nitrile rubber, good grip also on oily surfaces, excellent resistance at the abrasion, aerated back.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	CUT RESISTANT GLOVES (GREY)	TG.08	G4902 08	PAIRS	1pz
NEW	CUT RESISTANT GLOVES (GREY)	TG.09	G4902 09	PAIRS	1pz
NEW	CUT RESISTANT GLOVES (GREY)	TG.10	G4902 10	PAIRS	1pz
NEW	CUT RESISTANT GLOVES (GREY)	TG.11	G4902 11	PAIRS	1pz



High-performance HPPE yarn covered with grey polyurethane, excellent cutting resistance, aerated back. EN 388 level 5.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	SKIN FULL WHITE GLOVE	TG.09	G4903 09	PAIRS	1pz
NEW	SKIN FULL WHITE GLOVE	TG.10	G4903 10	PAIRS	1pz



Driver glove composed by soft cattle leather, white, high quality.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	PACKAGING	
NEW	WELDER / GRINDER GLOVE	TG.09	G4904 09	PAIRS	1pz
NEW	WELDER / GRINDER GLOVE	TG.10	G4904 10	PAIRS	1pz



Glove composed by cattle shell, padded and reinforced to protect the operators during the welding and grinding.

	TYPE OF PRODUCT AND USE	SIZE	ART. CODE	
NEW	WELDER APRON	70x90cm	G4900	1pz



PACKAGING AND DISPLAYERS



THE GLOBE PACKAGING

FATENTED

GLOBE is proud to present the exclusive line of cylindrical packaging. This original solution, studied 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 packs is higher than the traditional cardboard boxes. The caps are always sealed with a tape easily removable. The packs with a homogeneous diameter can be stuck by making easier and tidy the warehousing of the material.

The materials used are 100% recyclable, but these packs often have a new life in the garages to contain various objects, making a "plus" of GLOBE product.

The interlocking overlap of the cap and bottom of GLOBE boxes, allow a better preservation of the product and a perfect and stable overlap.

THE FLOOR AND COUNTER DISPLAYS

In support of its production, GLOBE makes available for its customers some counter and floor displays. The floor display is studied by a famous designer in Milan, and it is composed by a solid steel thin sheet, treated in detail and equipped with a comfortable drawer on the ground. It immediately attracts the attention with a pleasant and modern look presenting the 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 discs, wheels and other products of GLOBE line. The counter display, made of steel thin sheet, is a comfortable and practical display from which to draw on the single discs. Without occupying a lot of space, it can contain the most sold discs.

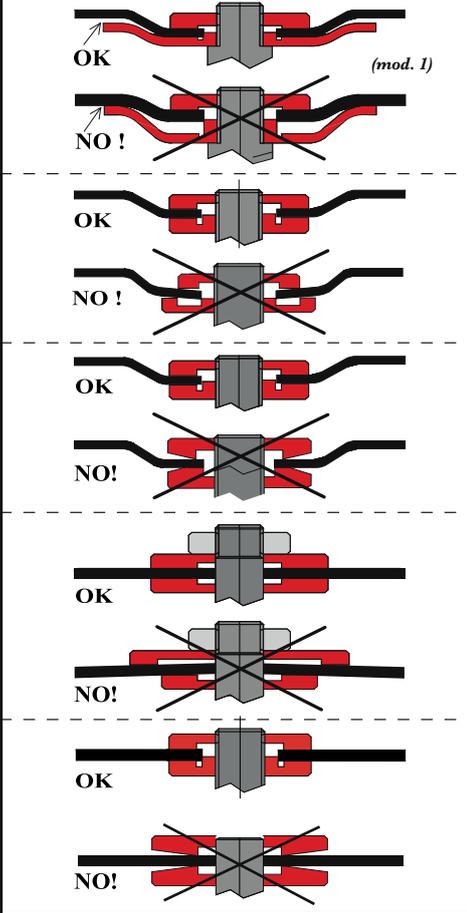


Stainless steel counter display. Dimensions: 45x24x35 with 6 splits for discs from 115 to 125 mm.

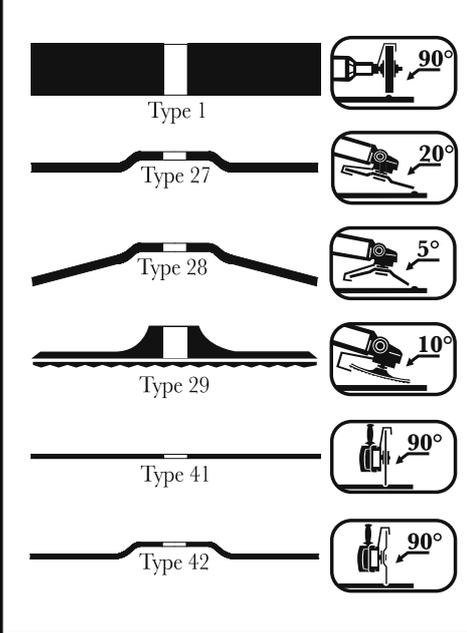


Thin sheet floor display. 65x42x192 composed by: 1 perforated wall 3 shelves 2 side edges 1 basis with drawer.

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 and contact us at 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, 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 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.

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

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 dismantling an abrasive wheel, disconnect the power supply (electric energy, compressed air, etc.). Do not force wheels during assembly. Avoid clamping with too high 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 subjected 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.



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