



# when it really counts

SYSTEMISED TURBO POWER.  
OUR RANGE OF ACCESSORIES FOR ANGLE GRINDERS.



**metabo**<sup>®</sup>  
PROFESSIONAL POWER TOOL SOLUTIONS





# ULTIMATE POWER, UNPARALLELED LONGEVITY: OUR COMPACT ANGLE GRINDERS WITHOUT LIMITS.

Over 90 years of experience. Over 90 years of listening closely to what professionals both on construction sites and in industry, really need. This is the foundation of Metabo. To develop machines that are real innovations.

With the different features and matching accessories of our 900 to 1700watt models, we offer the right system solution for every requirement and application within the new angle grinder compact class.

An absolute world's first: The world's first 1,700 Watt compact angle grinder, which impresses with top performances in terms of material removal, efficiency and productivity and sets new standards with smallest size.

**MADE IN GERMANY**

Dear Readers,

Metabo's angle grinders set new standards in terms of productivity, service life and ergonomics, with maximum performance and smallest size. However, even with the most powerful angle grinder, users only work productively if the performance of the accessories is right. We at Metabo have known for a long time how important it is to match the performance of the accessories to the respective requirement: For 60 years we have been seeing accessories not as just accessories, but as the power turbo for your machine.

Being the only power tool manufacturer with decades of experience for cutting and roughing discs, we not only set standards with our angle grinders, but also develop new systems in parallel, which, optimally complement the system. They are perfectly matched to our powerful machines - for example to the world's first 1,700 Watt compact angle grinder, which whilst small, impresses with maximum power.

On the following pages we have summed up our wide service range of system solutions. Enjoy it,

Yours

Dr. Andreas Siemer  
Manager - Product Management



Angle Grinder	Page 3	Structure of a cutting disc	Page 7
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Products Metabo Range of Angle Grinder Accessories from page 14

**Ventilation slots on the rear only:**

not possible to inadvertently close off, ensuring exemplary service life. Even under extreme conditions it still offers a new level of performance

**Maximum productivity:**

thanks to highest overload capacity and highest power density in every Watt-class.

**Perfected ergonomics:**

noticeably reduced weight and reduced body circumference for low-fatigue operation!

**New Metabo Marathon-Motor:**

up to 50% more torque, up to 20% more maximum output power and up to 20% more overload compared to the relevant competitors



**Metabo S-automatic  
Torque Limiting Clutch**

No kickback should the disc jam unexpectedly plus immediate continuation of work afterwards.

**»M-Calibur«, the ceramic Power-Turbo:**

250 % faster material removal, 250 % longer service life





# INNOVATIVE CORE MODULE: THE NEW GENERATION OF THE METABO MARATHON-MOTOR.

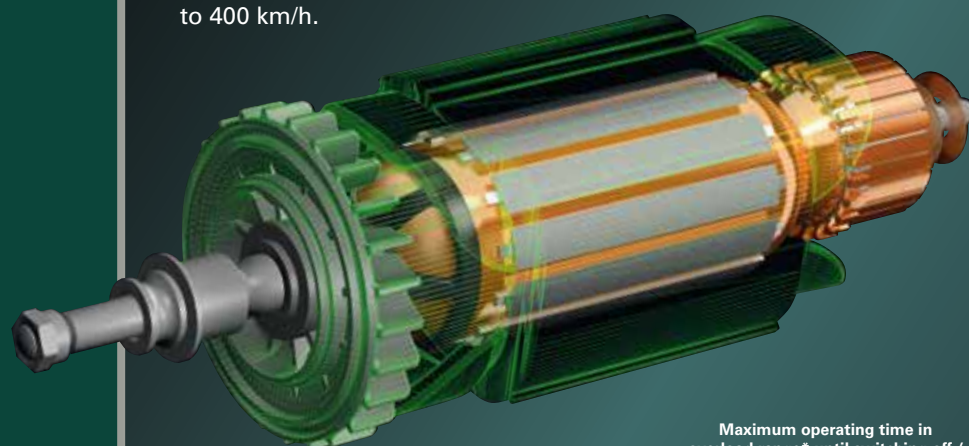
**Users know the problem:** During intensive cutting and grinding applications with angle grinders, the work has to be interrupted time and again, as the machines switch off because of overheating, or worse case, burn out.

Metabo puts an end to this - and at the same time sets new standards in terms of permanent overload capacity with the patented Marathon-Motor. Its special coil protection thanks to the epoxy resin powder coating on

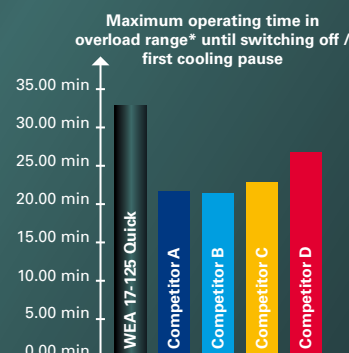
the field coil and the coil guard also make it particularly resistant to dust - and thus ensure an even longer service life of the machine.

## The innovative details - for longer service life.

- Effective: 30 % more resin around the rotor for resistance against abrasion
- No going back: further developed, the flow-optimised dust protection cage expelling dust particles directly from the machine and thus better protecting the winding heads.
- Protective effect: epoxy resin especially developed for Metabo protects against dust and humidity at the field.
- Clever: 20% higher overload capacity thanks to a new ventilation concept with flow-optimised dust protection cage, ventilation slits at the rear, as well as a turbo fan which accelerates the cooling air up to 400 km/h.

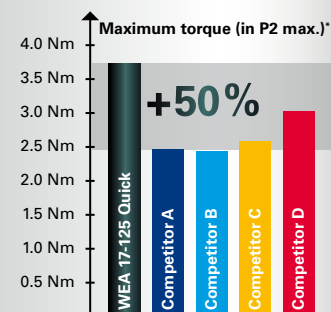


**An important feature for a long service life:** the rear ventilation slots cannot be covered by the user's hands in normal use.



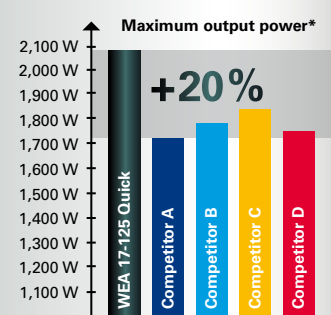
## Up to 50 % more torque!

Constant speeds under load for unique productivity.



## Up to 20 % more maximum output power!

Letting you reach your goal faster.



\*Compared to relevant competitors. Measured using the K36 ceramic disc at a power consumption of 10 A/2.300 W.

# SYSTEMISED COMPETENCE: CUTTING AND ROUGHING DISCS FOR MAXIMUM PRODUCTIVITY.

**Just over 90 years ago**, three engineers laid the foundation for the Metabo company with their first self-designed drill.

In only a few years, the company gained such a high reputation that in 1956 Metabo started to produce its own cutting and roughing discs as well as power tools - naturally in accordance with highest production standards. Still today: the extraordinary quality, as we do not see accessories as just accessories, but as power turbo for the machine. One of our best examples are the new »M-Calibur« cutting and roughing discs. 250 % faster material removal, 250% longer service life mean for you: maximised work progress with fewer grinding discs and labour costs. In combination with our new angle grinders they form the most productive system on the market.



The ceramic power turbo:  
»M-Calibur« cutting and roughing discs

New durable miracle: »Flexiarapid Super«  
cutting disc with HydroResist formula

Extremely easy cutting and durable: diamond discs  
for processing of concrete and natural stones



New specialists: Metabo Convex grinding discs  
especially for smoothing of fillet weld seams



# SAFETY INCLUDED: STANDARDS AND NORMS FOR CONSUMABLES.

In many areas the requirements for **user safety** are particularly high, for example in shipyards, refineries, mines, in pipeline construction, mining and power plant construction.

Metabo cutting and roughing discs meet these requirements. They have a longer service life and permit rapid, effortless working. The discs, just like any other Metabo accessories, are manufactured

according to highest safety standards and meet international norms and safety requirements such as EN 12413 and oSa.

## oSa manufacturer guarantee safety:

The grinding tools of the oSa member companies (organisation of the safety of abrasives) are subject to stringent requirements. They are manufactured and tested based on the European safety norms. Products with the oSa trademark clearly signal to the user the high-quality manufacture and the high standards of the safety testing.

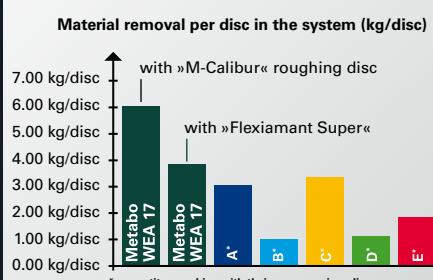
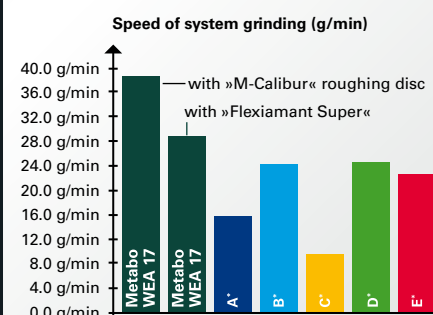


The Symbol of Safety

## Unparalleled cost savings: »M-Calibur« cutting and roughing discs.

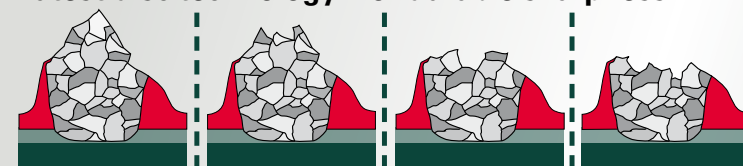
- **Extreme reduction in labour costs:** up to 250% faster material removal with roughing discs and significantly faster cutting progress with cutting discs than with other standard high performance discs on the market
- **Significantly reduced costs for discs:** 250% faster material removal per roughing disc and up to 250% more cuts per cutting disc than with other high-performance discs
- **Wide range of applications:** special ceramic grinding media technology and adhesion ensure highest productivity for all steel and stainless steel applications
- **Extremely safe:** Requirements of all relevant safety standards (EN 12413; OSA) are exceeded
- **Decades of know-how:** The disc concept was created on the basis of decades of experience in manufacturing and development as well as latest research results
- **Even more systemised power:** Perfect with the new 1,700 Watt angle grinders, as well as all other powerful angle grinders

## Greatest system productivity compared to the competition



\*competitor machine with their own premium disc.

## Latest disc technology: For durable sharpness.



The secret of permanently sharp edges: Fine aluminium oxide crystals are bonded in the ceramic grain by virtue of a sintering process. During the grinding process they break and new, sharp edges are created. The grain itself adheres perfectly thanks to a special, newly developed process technology. This means reliable, full power till the end!

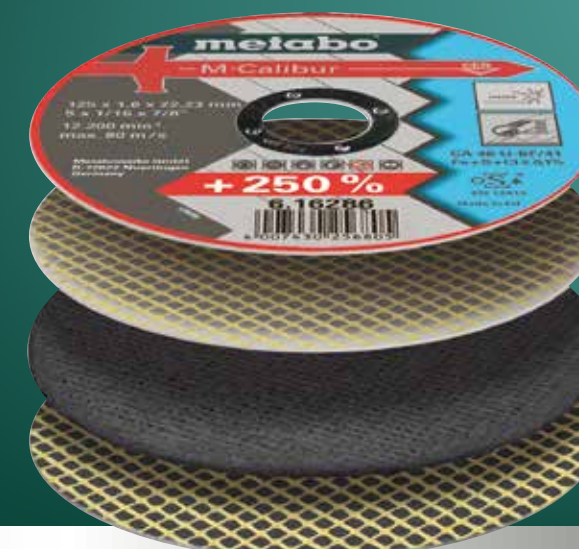
# UNCOMPROMISING QUALITY: INNOVATIVE CUTTING AND ROUGHING DISCS FROM METABO.

The quality of cutting and roughing discs depends on several aspects:

- The **grain** (size, shape and quality of the abrasive grains) determines how powerful a disc is.
- The **right mix** of bonding resins, additives and glass reinforcement determine how long the disc will last.
- Metabo cutting and roughing discs are manufactured in accordance with **our quality specifications** so that they, in combination with our machines, achieve best working results.



Metal ring with expiry date



Disc label with all product and safety information

Fibreglass fabric for more safety during the cutting process

Mixture with high-quality corundum, filler materials and phenolic resins

Additional fibre glass fabric for even more safety

## This is how to read the specification for a cutting and roughing disc:

### Specification:

The combination of letters and numbers is the genetic code of the grinding disc.

### Abrasive:

- A Aluminium Oxide**
  - For general processing of metal

### ZA Zirconia Alumina

- Special discs for metal processing

### C Silicon carbide

- For processing stone

### CA Ceramic

- Special discs for processing stainless steel and metal

### Grit

The higher the number, the finer the grit. We use grain sizes of 16 – 60 for cutting and grinding discs:

- 16 – 24 coarse
- 30 – 60 medium

### Hardness

The hardness of a grinding tool is coded alphabetically:

A B C ... N O P ... R S T ... Z  
Very soft soft hard very hard

### Shape

- Shape 41: straight version
- Shape 42/27: offset version

### Bonding

#### B Resinoid bonding

- Permitted for a circumferential speed of up to 50 m/s

#### BF Glass-fibre reinforced resinoid bonding

- Permitted for a circumferential speed of up to 80 m/s

Example: A 24-N-BF

A Aluminium Oxide

24 Grit

N Hard disc

#### BF Glass-fibre reinforced resinoid bonding

- A disc of this type cuts well and has a good service life when working with steels.

# THE RIGHT SOLUTION FOR EVERY APPLICATION: THE METABO RANGE OF CUTTING AND ROUGHING DISCS.

Our accessories are consequently designed for performance. However, since the fields of applications and applications of our cutting and roughing discs are very different, we offer different variants:

	Cutting discs for hand-held angle grinders														Cutting discs for						Grinding discs for hand-held angle grinders									
	CA 46-U	A 30	A 30-R	A 36-T	A 60-T/ A 46-T	A 46-T	A 30-P	A 46-R/ A 60-R/ A 30-R	A 60-U/ A 46-U/ A 36-U	A 46-U	A 30-O	C 30	C 30-S		C 60-T	Hand-held cutting machines (petrol)		Table cutting machines			Fixed cutting machines		CA 36-O	A 24	A 24-N	A 24-T	A 30-O	A 36-M	C 24-N	ZA 24-T
																A 24-N	C 24-N	A 36-S	A 36-R	A 30-R/ A 24-M	A 30-R	C 30-S								
»M-Calibur« Steel/Inox	»Novoflex« Steel	»Flexiamant« Steel	»Flexiamant Super« Steel	»Flexiamant Super« Steel	»Novorapid« Inox	»Flexiamant« Inox	»Flexiarapid« Inox	»Flexiarapid Super« Inox	»Combinator«	»Flexiarapid Super« Alu	»Novoflex« Stone	»Flexiamant Super« Stone	»Flexiamant Super« Stone	»Flexiamant Super« Steel	»Flexiamant Super« Steel	»Flexiamant Super« Steel	»Flexiamant Super« Inox	»Flexiamant Super« Steel	»Flexiamant Super« Stone	»M-Calibur« Steel/Inox	»Novoflex« Steel	»Flexiamant« Steel	»Flexiamant Super« Steel	»Flexiamant Super« Inox	»Flexiamant Super« Alu	»Flexiamant Super« Stone	»Flexiamant Super« Pipeline			
Material/application																														
Steel	■	■	■	■	■		□		■	■					■		■		■	■		■	■	■	■	□			□	
General construction steel	■	■	■	■	■		□			■					■		■		■	■		■	■	■				□		
Construction steel, high tensile strength		□	□	■			□		□	■					□		□		□	□		□	□	□				■		
Tool steel	■		■	■	■		□		□	■					■		□		□	■		■	■	■				□		
Steel sheet/ thin-walled profiles	■	■	■	■	■	■	□	□	□	■					■			□	■		□		□					□		
Ductile pipes																														
Pipeline																					■			■				■		
Grey cast iron GG																					■			■				■		
Ductile cast iron GGG																					■			■				■		
Cast steel GG																					■			■				■		
Malleable cast iron GT																					■			■				■		
Stainless steel	■					■	■	■	■	■								■	□	□		■			■			■		
Non-alloy stainless steel	■					■	■	■	■	■									□	□		■			■			■		
High-alloy stainless steel	■					■	■	■	■	■								■	□	□		■			■			■		
Stainless steel sheet/ thin-walled profiles	■					■	■	■	■	■								■	□	□		■			■			■		
Container construction					■																■		□		■			■		
Aluminium										■											□					■				
Bronze										■											□					■				
Copper										■											□					■				
Brass										■											□					■				
Other non-ferrous metals										■											□					■				
Asphalt																														
Concrete												■	■			■				■							■			
Reinforced concrete												□	□			□											■			
Pumice stone												□	□			□														
Roof tiles												□	□			□														
Tiles														■																
Aerated concrete												□	□			□														
Granite												□	□			□											■			
Tiles														■																
Sand-lime brick												□	□			□											■			
Ceramic														■																
Clinkers												□	□			□														
Fireclay												□	□			□														
Stone												■	■			■					■						■			
Clay pipes												□									□									
Exposed aggregate concrete												□									□									
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□ Partly suitable ■ Well suited



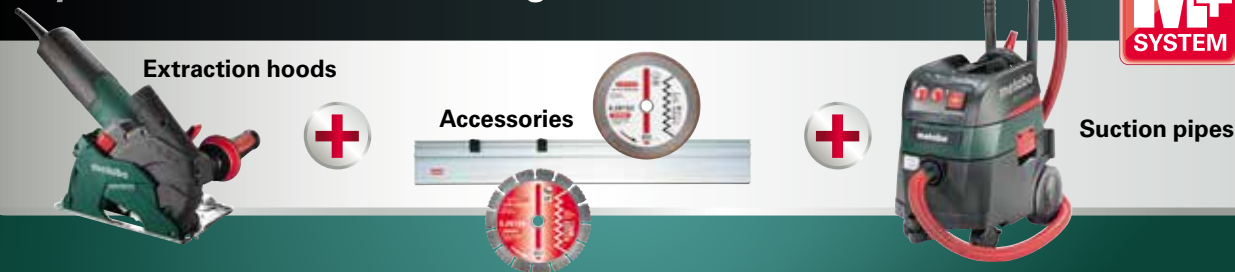
# CLEAN SOLUTIONS: EXTRACTION SYSTEMS FOR DUST-FREE WORKING.

Whilst Metabo has brought productivity, service life and robustness to a new level with its ergonomically optimised new compact angle grinders, the system concept continued through to the new dust extraction solutions:



Professionals in the construction and renovation industry are optimally equipped for productive, safe and clean working with the combination of coordinated angle grinders, cutting discs, grinding cup wheels, extraction hoods and vacuum cleaners.

## Systemised dust-free working:



## Extraction hoods: for dust-free working indoors and outdoors.

**System for precise low-dust cutting**  
up to 27 mm deep, indoors and outdoors

- **Continuously dust-free:** anti-static plastic reduces accumulation of dust for constantly high extraction power
- **Pure precision:** available with guide rails
- **Sophisticated:** dust-free plunge cuts thanks to optimised air flow
- **Table can be removed without tools** for more flexibility when working close to walls and improved visibility for freehand cuts

►► MORE ON PAGE 43



►► MORE ON PAGE 43

**Universally applicable system for low-dust grinding** indoors and outdoors.

- **Continuously dust-free:** anti-static plastic reduces accumulation of dust for constantly high extraction power
- **More efficiency:** can simply be opened without tools - perfect for working near the wall



## ASR 35 M ACP VACUUM CLEANER.

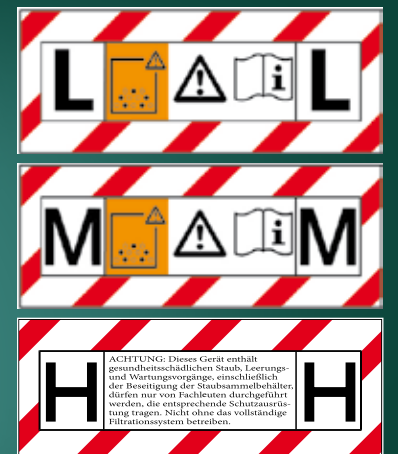
Practical **accessory storage and support surface** for both accessories and tools.

**Power socket for power tools** use with automatic start/shut-down

Automatic "AutoCleanPlus" filter cleaning for **permanently high suction performance**.





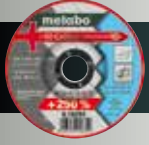











**Stable and easy to move** thanks to the castors with locking brakes and large wheels.





# MORE PRODUCTIVITY WITH THE RIGHT ACCESSORIES:

With the Metabo M+ system we additionally support the performance power of our tools with perfectly coordinated system accessories and consumables. All angle grinder accessories are listed on the following pages and also provide information about the ideal application areas. Like this you quickly find the optimal accessories for every application.

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# THE NEW GENERATION OF CUTTING AND ROUGHING DISCS »M-CALIBUR« FOR STEEL AND STAINLESS STEEL

»M-Calibur« grinding discs with special ceramics abrasive grain technology and bonding for highest productivity and work progress in steel and stainless steel



- Maximum number of cuts with the cutting disc »M-Calibur« (up to 3 times the service life)
- Maximum material removal with the roughing disc »M-Calibur« (up to 3x the removal than standard roughing discs)
- Extremely high cutting speed

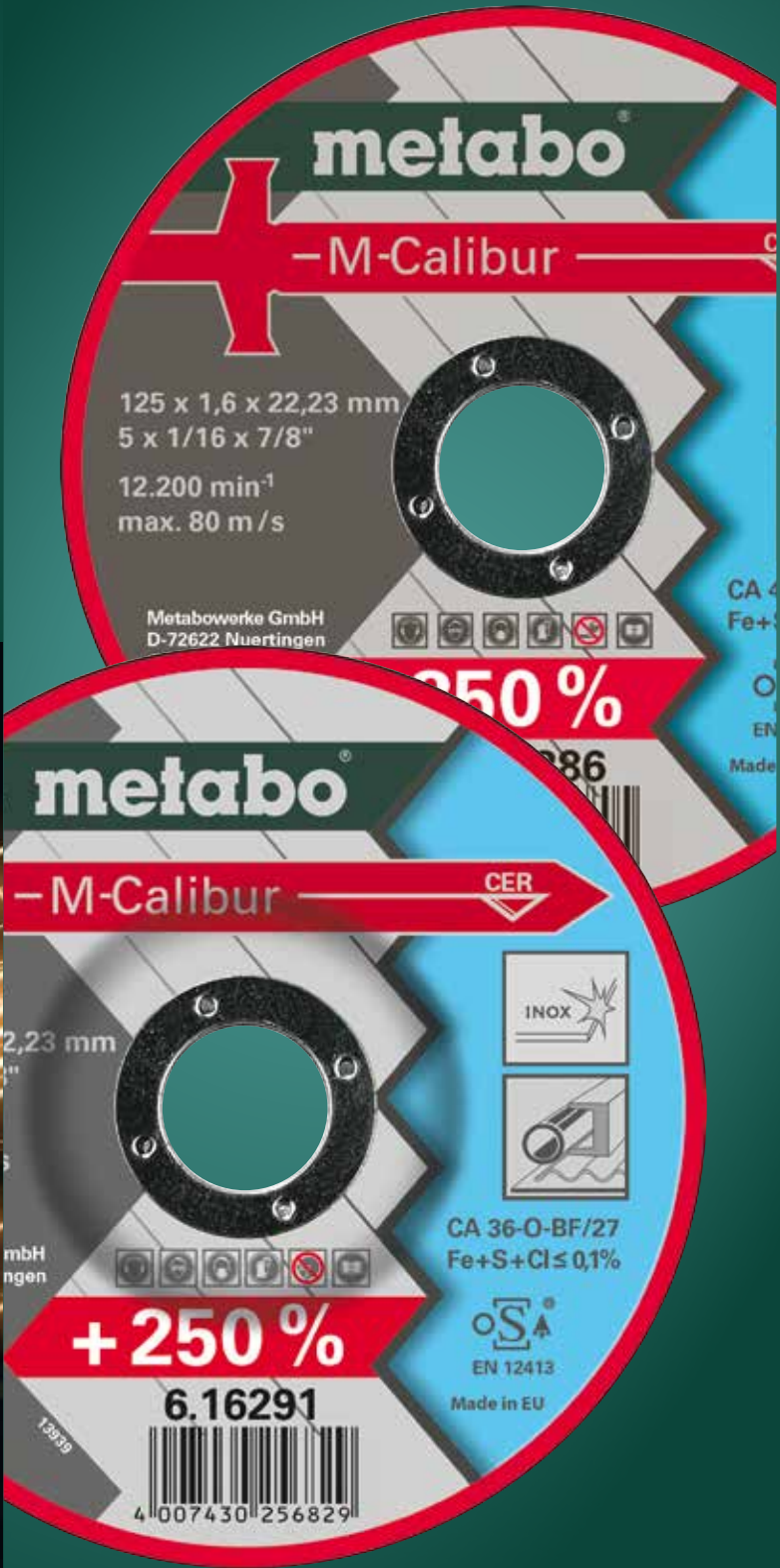
## Highest safety standards

- Exceed the requirements of all relevant safety standards EN 12413, OSA





## Perfectly adjusted to the most powerful angle grinders






## Particularly wide range of application

- For all steel and stainless steel applications






Cutting discs for hand-held angle grinders						
	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class CA 46-U »M-Calibur« Inox</b> <ul style="list-style-type: none"><li>■ The latest generation of cutting discs with ceramic abrasive grain</li><li>■ Maximum cutting performance with extremely high tool life thanks to using ceramic special corundum and new bonding</li><li>■ Highest productivity and work progress</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), high-alloy steels, spring steels, tool steels</li></ul>					
	CA 46-U »M-Calibur«	115 x 1.6 x 22.23	—	13,300	1/25	616285000
	CA 46-U »M-Calibur«	125 x 1.6 x 22.23	—	12,200	1/25	616286000
	<b>Quality class A 30 »Novoflex« steel</b> <ul style="list-style-type: none"><li>■ Quality Novoflex: powerful entry-level class</li><li>■ Hardness: medium-hard</li><li>■ Universal use in metal processing</li><li>■ Good cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 30 Novoflex	100 x 2.5 x 16	—	15,300	1/25	616446000
	A 30 Novoflex	100 x 2.5 x 16	—	15,300	1/25	616447000
	A 30 Novoflex	115 x 2.5 x 22.23	—	13,300	1/25	616442000
	A 30 Novoflex	115 x 2.5 x 22.23	—	13,300	1/25	616454000
	A 30 Novoflex	115 x 3 x 22,23	—	13,300	1/25	616420000
	A 30 Novoflex	125 x 2.5 x 22.23	—	12,200	1/25	616444000
	A 30 Novoflex	125 x 2.5 x 22.23	—	12,200	1/25	616456000
	A 30 Novoflex	150 x 3 x 22.23	—	10,200	1/25	616448000
	A 30 Novoflex	180 x 3 x 22.23	—	8,500	1/25	616450000
	A 30 Novoflex	180 x 3 x 22.23	—	8,500	1/25	616457000
	A 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	616452000
	A 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	616477000
	<b>Quality class A 60-R »Novorapid« Stahl</b> <ul style="list-style-type: none"><li>■ Quality Novorapid: powerful entry-level class</li><li>■ Thin cutting disc for general processing of metal, especially for thin-walled materials such as pipes, metal sheets, profiles, wires etc.</li><li>■ Good cutting output with good tool life</li><li>■ Hardness: medium-hard</li><li>■ Low material consumption, power-saving, low machine load</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	A 60-R Novorapid	115 x 1 x 22.23	—	13,300	1/25	616505000
	A 60-R Novorapid	125 x 1 x 22.23	—	12,200	1/25	616506000
	A 60-R Novorapid	150 x 1.5 x 22.23	—	10,200	1/25	616507000
	A 60-R Novorapid	180 x 1.5 x 22.23	—	8,500	1/25	616508000
	A 60-R Novorapid	230 x 1.9 x 22.23	—	6,600	1/25	616509000
	<b>Quality class A 30-R »Flexiamant« Stahl</b> <ul style="list-style-type: none"><li>■ Universal disc for complete metal processing</li><li>■ Hardness: medium</li><li>■ High cutting output with good tool life</li><li>■ Uniform in cutting output and tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 30-R	100 x 2.5 x 16	—	15,300	1/25	616742000
	A 30-R	115 x 2.5 x 22.23	—	13,300	1/25	616727000
	A 30-R	115 x 2.5 x 22.23	—	13,300	1/25	616770000
	A 30-R	125 x 2.5 x 22.23	—	12,200	1/25	616310000
	A 30-R	125 x 2.5 x 22.23	—	12,200	1/25	616732000
	A 30-R	150 x 3 x 22.23	—	10,200	1/25	616121000
	A 30-R	150 x 3 x 22.23	—	10,200	1/25	616313000
	A 30-R	180 x 3 x 22.23	—	8,500	1/25	616123000
	A 30-R	180 x 3 x 22.23	—	8,500	1/25	616300000
	A 30-R	230 x 3 x 22.23	—	6,600	1/25	616127000
	A 30-R	230 x 3 x 22.23	—	6,600	1/25	616302000

	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 36-T »Flexiamant Super« steel</b> <ul style="list-style-type: none"><li>■ Universal disc for complete metal processing</li><li>■ Hardness: hard</li><li>■ Extremely high cutting output with good tool life by using special corundums</li><li>■ Best results using powerful angle grinders</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 36-T	115 x 2 x 22.23	—	13,300	1/25	616100000
	A 36-T	115 x 2 x 22.23	—	13,300	1/25	616105000
	A 36-T	115 x 3 x 22,23	—	13,300	1/25	616104000
	A 36-T	125 x 2 x 22.23	—	12,200	1/25	616101000
	A 36-T	125 x 2 x 22.23	—	12,200	1/25	616107000
	A 36-T	150 x 2 x 22.23	—	10,200	1/25	616109000
	A 36-T	150 x 2 x 22.23	—	10,200	1/25	616119000
	A 36-T	180 x 2 x 22.23	—	8,500	1/25	616102000
	A 36-T	180 x 2 x 22.23	—	8,500	1/25	616111000
	A 36-T	230 x 2.5 x 22.23	—	6,600	1/25	616103000
	A 36-T	230 x 2.5 x 22.23	—	6,600	1/25	616115000
	<b>Quality class A 60-T / A 46-T »Flexiamant Super« steel</b> <ul style="list-style-type: none"><li>■ Thin high output cutting disc especially for thin materials such as metal sheets, pipes, profiles, wires</li><li>■ Hardness: hard</li><li>■ Very high cutting output with good tool life</li><li>■ Low material consumption, power-saving, low machine load</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 60-T	115 x 1 x 22.23	—	13,300	1/25	616188000
	A 46-T	115 x 1.6 x 22.23	—	13,300	1/25	616191000
	A 60-T	125 x 1 x 22.23	—	12,200	1/25	616189000
	A 46-T	125 x 1.6 x 22.23	—	12,200	1/25	616192000
	<b>Quality class A 46-T "Novorapid" Inox</b> <ul style="list-style-type: none"><li>■ Quality Novorapid: powerful entry-level class</li><li>■ Thin cutting disc for processing rust-free, thin-walled materials such as pipes, sheeting, profiles, wires etc. as well as for general metalworking</li><li>■ Good cutting output with good tool life</li><li>■ Hardness: hard</li><li>■ Low material consumption, power-saving, low machine load</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	A 46-T Novorapid	115 x 1.0 x 22.23	—	13,300	1/25	616270000
	A 46-T Novorapid	125 x 1.0 x 22.23	—	12,200	1/25	616271000
	A 46-T Novorapid	180 x 1.5 x 22.23	—	8,600	1/25	616273000
	A 46-T Novorapid	230 x 1.9 x 22.23	—	6,600	1/25	616274000
	<b>Cutting discs "Promotion" Inox, TF 41, in tin</b> <ul style="list-style-type: none"><li>■ Universal disc for processing steels/stainless steels</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ Good cutting output with good tool life</li><li>■ Low material consumption, power-saving, low machine load</li></ul>					
	A 60 R	115 x 1 x 22.23	—	13,200	1/10	616358000
	A 60 R	125 x 1 x 22.23	—	13,200	1/10	616359000
	<b>Quality class A 30-P »Flexiamant« Inox</b> <ul style="list-style-type: none"><li>■ Universal disc for processing stainless steels</li><li>■ Hardness: soft</li><li>■ High cutting output with good tool life</li><li>■ Low in iron and sulphur &lt; 0.1%</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 30-P	100 x 2.5 x 16	—	15,300	1/25	616744000
	A 30-P	115 x 2.5 x 22.23	—	13,300	1/25	616737000
	A 30-P	115 x 3 x 22,23	—	13,300	1/25	616741000
	A 30-P	125 x 2.5 x 22.23	—	12,200	1/25	616738000
	A 30-P	180 x 3 x 22.23	—	8,500	1/25	616163000
	A 30-P	180 x 3 x 22.23	—	8,500	1/25	616299000
	A 30-P	230 x 3 x 22.23	—	6,600	1/25	616167000

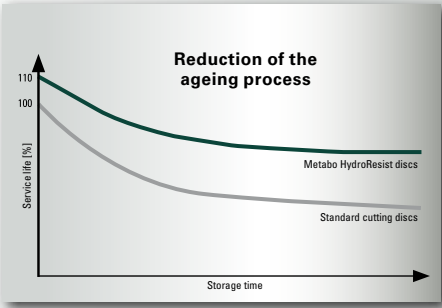




	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 60-R / A 46-R / A 30-R »Flexiarapid«</b> <b>Inox</b> <ul style="list-style-type: none"><li>■ Thin high-output cutting disc especially for stainless, thin-walled materials such as pipes, metal sheets, profiles, wires</li><li>■ Hardness: hard</li><li>■ Very high cutting output with good tool life by using special corundums</li><li>■ Low material consumption, power-saving, low machine load</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ Maximum working speed 80 m/s</li><li>■ A 60-R with 1 mm thickness; A 46-R with 1.6 mm thickness; A 30-R with 1.9 mm thickness</li></ul>					
	A 46-R	105 x 1.6 x 16	—	15,300	1/25	616180000
	A 60-R	115 x 1 x 22.23	—	13,300	1/25	616186000
	A 60-R	125 x 1 x 22.23	—	12,200	1/25	616187000
	A 46-R	115 x 1.6 x 22.23	—	13,300	1/25	616181000
	A 46-R	125 x 1.6 x 22.23	—	12,200	1/25	616182000
	A 46-R	125 x 2 x 22.23	—	12,200	1/25	616179000
	A 30-R	150 x 1.6 x 22.23	—	10,200	1/25	616183000
	A 30-R	180 x 1.6 x 22.23	—	8,500	1/25	616184000
	A 30-R	230 x 1.9 x 22.23	—	6,600	1/25	616185000




New durable miracle:  
Flexiarapid Super/Combinator cutting discs with  
HydroResist formula

Resin-bonded grinding discs age and lose performance over the course of time - even if they are unused. The newly developed HydroResist formula counteracts this process and sustainably ensures the performance of the discs.

- **More endurance:** increases the service life of the disc - even with high atmospheric humidity
- **Less replacement costs:** 10% more cuts (per disc) by virtue of newly developed formula for optimised connection of grain and bonding agent








	<b>Quality class A 36-U / A 46-U / A 60-U "Flexiarapid Super" Inox HydroResist</b> <ul style="list-style-type: none"><li>■ The super-thin high-output disc especially for processing stainless steel</li><li>■ Super quick with very long service life thanks to the use of special corundums</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), spring steels, tool steels</li><li>■ For use in the manufacture of vehicles, containers, car bodies, switch cabinets etc.</li><li>■ Cutting discs for quiet, precise cutting, cuts without burrs</li></ul>					
	A 60-U	105 x 1 x 16	—	15,300	1/25	616210000
	A 60-U	115 x 0.8 x 22.23	⌋	13,300	1/50	616208000
	A 60-U	115 x 1 x 22.23	—	13,300	1/25	616216000
	A 60-U	115 x 1 x 22.23	⌋	13,300	1/25	616217000
	A 46-U	115 x 1.6 x 22.23	—	13,300	1/25	616218000
	A 46-U	115 x 1.6 x 22.23	⌋	13,300	1/25	616219000
	A 60-U	125 x 0.8 x 22.23	⌋	12,200	1/50	616209000
	A 60-U	125 x 1 x 22.23	—	12,200	1/25	616220000
	A 46-U	125 x 1.6 x 22.23	—	12,200	1/25	616222000
	<b>Quality class A 46-U "Combinator" Inox HydroResist</b> <ul style="list-style-type: none"><li>■ One grinding disc for two applications: quick cutting, as well as easy deburring and sanding</li><li>■ All-purpose use for processing stainless steel and for general metal work</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ Reduces labour costs by saving on set-up time</li><li>■ Eliminates time-consuming disc changes during mobile use.</li><li>■ Highest standards in quality and safety thanks to the dimensional and lateral stability of the disc design (proven safety with 3 full-surface layers of material)</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	A 46-U Combinator Inox	115 x 1.9 x 22.23	⌋	13,200	1/25	616500000
	A 46-U Combinator Inox	125 x 1.9 x 22.23	⌋	12,200	1/25	616501000

	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>NEW</b> <b>Quality class A 24-P »Flexiarapid«</b> <b>Alu</b> <ul style="list-style-type: none"><li>■ Thin high-output cutting disc especially for processing aluminium, non-ferrous metals, copper, brass, bronze etc., thin-walled materials such as pipes, metal sheets, profiles, wires</li><li>■ Hardness: medium-hard</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li><li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li></ul>					
	A 24-P Flexiarapid	115 x 1.5 x 22.23	—	13,300	1/25	616512000
	A 24-P Flexiarapid	125 x 1.5 x 22.23	—	12,200	1/25	616513000
	A 24-P Flexiarapid	150 x 1.5 x 22.23	—	10,200	1/25	616514000
	A 24-P Flexiarapid	180 x 1.5 x 22.23	⌋	8,500	1/25	616515000
	A 24-P Flexiarapid	230 x 1.9 x 22.23	⌋	6,600	1/25	616516000
	<b>Quality class A 30-O »Flexiamant Super«</b> <b>Alu</b> <ul style="list-style-type: none"><li>■ Universal disc with open structure for processing non-ferrous metals such as aluminium, copper, brass, bronze ...</li><li>■ Hardness: soft</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li><li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li></ul>					
	A 30-O	115 x 2.5 x 22.23	⌋	13,300	1/25	616751000
	A 30-O	125 x 2.5 x 22.23	—	12,200	1/25	616752000
	A 30-O	150 x 3 x 22.23	—	10,200	1/25	616753000
	<b>Quality class C 30 »Novoflex«</b> <b>stone</b> <ul style="list-style-type: none"><li>■ Quality Novoflex: powerful entry-level class</li><li>■ Hardness: medium</li><li>■ For universal use for processing natural and artificial stone</li><li>■ Good cutting output with good tool life.</li><li>■ Maximum working speed 80 m/s</li></ul>					
	C 30 Novoflex	115 x 2.5 x 22.23	⌋	13,300	1/25	616455000
	C 30 Novoflex	125 x 2.5 x 22.23	⌋	12,200	1/25	616428000
	C 30 Novoflex	150 x 3 x 22.23	—	10,200	1/25	616449000
	C 30 Novoflex	180 x 3 x 22.23	⌋	8,500	1/25	616458000
	C 30 Novoflex	230 x 3 x 22.23	—	6,600	1/25	616453000
	C 30 Novoflex	230 x 3 x 22.23	⌋	6,600	1/25	616479000
	<b>Quality class C 30-S »Flexiamant Super«</b> <b>stone</b> <ul style="list-style-type: none"><li>■ Universal disc for processing natural and artificial stone</li><li>■ Hardness: medium</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	C 30-S	115 x 2.5 x 22.23	⌋	13,300	1/25	616728000
	C 30-S	125 x 2.5 x 22.23	⌋	12,200	1/25	616312000
	<b>Quality class C 60-T »Flexiamant Super«</b> <b>stone</b> <ul style="list-style-type: none"><li>■ Super thin special disc for processing tiles, ceramics, clinkers etc.</li><li>■ Hardness: hard</li><li>■ Very high cutting output with above average tool life</li><li>■ Quick cutting time, less cutting wastage, cleaner cutting edges</li><li>■ Maximum working speed 80 m/s</li></ul>					
	C 60-T	115 x 1.5 x 22.23	—	13,300	1/25	616195000
	C 60-T	125 x 1.5 x 22.23	—	12,200	1/25	616196000









Cutting discs

Cutting discs for cutting machines/petrol cutters						
	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 24-N »Flexiamant Super« steel</b> <ul style="list-style-type: none"><li>■ For use in all steel processing applications, also for cast materials</li><li>■ Hardness: medium</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 24-N	300 x 3.5 x 20	—	5,090	1/10	616136000
	A 24-N	300 x 3.5 x 22.2	—	5,090	1/10	616135000
	A 24-N	300 x 3.5 x 25.4	—	5,090	1/10	616137000
	<b>Quality class C 24-N »Flexiamant Super« stone</b> <ul style="list-style-type: none"><li>■ For processing natural and artificial stone, non-ferrous metals</li><li>■ Hardness: medium</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	C 24-N	300 x 3.5 x 20	—	5,090	1/10	616156000
	C 24-N	300 x 3.5 x 22.23	—	5,090	1/10	616155000





Cutting discs for table-top cutting machines						
	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 30-R / A 36-S »Flexiamant Super« steel</b> <ul style="list-style-type: none"><li>■ High cutting output with good tool life in steel</li><li>■ Tough version for powerful machines</li><li>■ A 36-S: with an inside gauze for quick cuts</li></ul>					
	A 30-R	300 x 2.5 x 25.4	—	5,090	1/10	616328000
	A 30-R	350 x 3 x 25.4	—	4,365	1/10	616327000
	A 36-S	350 x 3 x 25.4	—	4,365	1/10	616339000
	<b>Quality class A 24-M »Flexiamant Super« Stahl</b> <ul style="list-style-type: none"><li>■ High cutting output with good tool life in steel</li><li>■ Soft version for less powerful machines</li></ul>					
	A 24-M	350 x 3 x 25.4	—	4,365	1/10	616338000
	A 24-M	400 x 3 x 25.4	—	3,820	1/10	616215000
	<b>Quality class A 36-R »Flexiamant Super« Inox</b> <ul style="list-style-type: none"><li>■ Medium-hard special cutting disc for stainless steel</li><li>■ High cutting output with good tool life low in iron and sulphur &lt; 0.1 %</li></ul>					
	A 36-R	350 x 3 x 25.4	—	4,365	1/10	616343000




Cutting discs / roughing discs

Cutting discs for stationary cutting machines						
	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 30-S »Flexiamant Super« steel</b> <ul style="list-style-type: none"><li>■ Universal use in metal processing</li><li>■ Hardness: hard</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 100 m/s</li></ul>					
	A 30-S	300 x 3 x 25.4	—	6,365	1/10	616202000
	A 30-S	350 x 3.5 x 25.4	—	5,460	1/10	616203000
	A 30-S	400 x 4 x 25.4	—	4,775	1/10	616204000
	<b>Quality class C 30-S »Flexiamant Super« stone</b> <ul style="list-style-type: none"><li>■ Universal use for processing natural and artificial stone</li><li>■ Also suitable for processing non-ferrous metals</li><li>■ Hardness: hard</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 100 m/s</li></ul>					
	C 30-S	300 x 3 x 25.4	—	6,365	1/10	616212000
	C 30-S	350 x 3.5 x 25.4	—	5,460	1/10	616213000


Grinding discs for hand-held angle grinders						
	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class CA 36-O »M-Calibur« Inox</b> <ul style="list-style-type: none"><li>■ The latest generation of roughing discs with ceramic abrasive grain</li><li>■ Maximum material removal with extremely high tool life thanks to special ceramic corundum with new bonding</li><li>■ Highest productivity and work progress</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), high-allow steels, spring steels, tool steels</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	CA 36-O »M-Calibur«	115 x 7.0 x 22.23	—	13,300	1/25	616290000
	CA 36-O »M-Calibur«	125 x 7.0 x 22.23	—	12,200	1/25	616291000
	<b>Quality class A 24 »Novoflex« steel</b> <ul style="list-style-type: none"><li>■ Quality Novoflex: powerful entry-level class</li><li>■ Hardness: medium-hard</li><li>■ Universal use in metal processing</li><li>■ Good cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 24 Novoflex	100 x 6 x 16	—	15,300	1/25	616429000
	A 24 Novoflex	115 x 6 x 22.23	—	13,300	1/25	616460000
	A 24 Novoflex	125 x 6 x 22.23	—	12,200	1/25	616462000
	<b>Quality class A 24 Novoflex</b> <ul style="list-style-type: none"><li>■ Hardness: medium-hard</li><li>■ Universal use in metal processing</li><li>■ Good cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 24 Novoflex	150 x 6 x 22.23	—	10,200	1/25	616464000
	A 24 Novoflex	180 x 6 x 22.23	—	8,500	1/10	616465000
	A 24 Novoflex	230 x 6 x 22.23	—	6,600	1/10	616468000
	<b>Quality class A 24-N »Flexiamant« Steel</b> <ul style="list-style-type: none"><li>■ Universal disc for all metal processing requirements</li><li>■ Hardness: medium</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 24-N	100 x 6 x 16	—	15,300	1/25	616745000
	A 24-N	115 x 4 x 22.23	—	13,300	1/25	616736000
	A 24-N	115 x 6 x 22.23	—	13,300	1/25	616726000



	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	A 24-N	115 x 6.8 x 22.23	—	13,300	1/25	616725000
	A 24-N	125 x 4 x 22.23	—	12,200	1/25	616680000
	A 24-N	125 x 6 x 22.23	—	12,200	1/25	616730000
	A 24-N	150 x 6 x 22.23	—	10,200	1/25	616554000
	A 24-N	180 x 6 x 22.23	—	8,500	1/10	616560000
	A 24-N	180 x 6.8 x 22.23	—	8,500	1/10	616563000
	A 24-N	180 x 8 x 22.23	—	8,500	1/10	616561000
	A 24-N	230 x 6 x 22.23	—	6,600	1/10	616572000
	A 24-N	230 x 8 x 22.23	—	6,600	1/10	616573000
	<b>Quality class A 24-T »Flexiamant Super« Steel</b> <ul style="list-style-type: none"><li>■ Universal disc for all metal processing requirements</li><li>■ Especially suitable for deburring and grinding edges, also for cast processing</li><li>■ Hardness: hard</li><li>■ Good cutting output with extremely good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 24-T	115 x 6 x 22.23	—	13,300	1/25	616275000
	A 24-T	125 x 6 x 22.23	—	12,200	1/25	616486000
	A 24-T	150 x 6 x 22.23	—	10,200	1/25	616487000
	A 24-T	180 x 6 x 22.23	—	8,500	1/10	616277000
	A 24-T	230 x 6 x 22.23	—	6,600	1/10	616279000
	<b>Quality class A 36-O »Flexiamant Super« Inox</b> <ul style="list-style-type: none"><li>■ Special disc for processing stainless steels</li><li>■ Low in iron and sulphur &lt; 0.1%</li><li>■ Hardness: soft</li><li>■ Very good cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 36-O	100 x 6 x 16	—	15,300	1/25	616735000
	A 36-O	115 x 6 x 22.23	—	13,300	1/25	616739000
	A 36-O	125 x 6 x 22.23	—	12,200	1/25	616747000
	A 36-O	150 x 6 x 22.23	—	10,200	1/25	616604000
	A 36-O	180 x 6 x 22.23	—	8,500	1/10	616610000
	A 36-O	230 x 6 x 22.23	—	6,600	1/10	616622000
	<b>Quality class A 36-M »Flexiamant Super« Alu</b> <ul style="list-style-type: none"><li>■ Special disc with open structure for high cutting output and good tool life</li><li>■ Hardness: soft</li><li>■ Best suited for processing lubricating materials such as aluminium, bronze, copper, brass</li><li>■ Maximum working speed 80 m/s</li><li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li></ul>					
	A 36-M	115 x 6 x 22.23	—	13,300	1/25	616748000
	A 36-M	125 x 6 x 22.23	—	12,200	1/25	616749000
	A 36-M	150 x 6 x 22.23	—	10,200	1/25	616754000
	A 36-M	180 x 6 x 22.23	—	8,500	1/10	616760000
	A 36-M	230 x 6 x 22.23	—	6,600	1/10	616763000
	<b>Quality class C 24-N »Flexiamant Super« stone</b> <ul style="list-style-type: none"><li>■ Special disc for rough grinding on concrete, natural and artificial stone</li><li>■ Hardness: soft</li><li>■ High cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	C 24-N	115 x 6 x 22.23	—	13,300	1/25	616729000
	C 24-N	125 x 6 x 22.23	—	12,200	1/25	616731000
	C 24-N	150 x 6 x 22.23	—	10,200	1/25	616654000
	C 24-N	180 x 6 x 22.23	—	8,500	1/10	616660000
	C 24-N	230 x 6 x 22.23	—	6,600	1/10	616672000

	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 46 P / 40 »Flexiamant Super« FKS</b> <ul style="list-style-type: none"><li>■ Special roughing disc for processing fillet welds in stainless steel and steel, thanks to a high degree of fineness. Other application examples: Processing of weld seams, deburring, grinding of corners and edges</li><li>■ Particularly suited for frontal working with the Metabo flat-head angle grinders</li><li>■ Clean cut with high material removal ensures excellent cutting output</li><li>■ Different grain levels can be selected - additional fine grinding can consequently be omitted</li><li>■ The roughing disc has a sectioned rim, therefore best-suited for the individual processing of the material</li><li>■ Suitable for rust and acid resistant steels (V2A, Nirosta, INOX), highly solid, high-alloy steels, hardened steels, construction steels, grey cast iron</li><li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li><li>■ Maximum working speed 80 m/s</li></ul>					
	A 46 P / 40	125 x 4.0 x 22.23	—	13,300	1/25	616197000
	A 46 P / 40	125 x 4.0 x 22.23	—	13,300	1/25	616198000
	A 46 P / 40	150 x 4.0 x 22.23	—	10,200	1/25	616199000
	A 46 P / 40	150 x 4.0 x 22.23	—	10,200	1/25	616200000
	<b>Quality class ZA 24-T »Flexiamant Super« pipeline</b> <ul style="list-style-type: none"><li>■ Special disc for pipeline and container construction</li><li>■ Welded seam processing in front facing grinding</li><li>■ Grinding out welding faults</li><li>■ Hardness: hard</li><li>■ Very good cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	ZA 24-T	115 x 4 x 22.23	—	13,300	1/25	616792000
	ZA 24-T	180 x 4 x 22.23	—	8,500	1/10	616795000
	ZA 24-T	230 x 4 x 22.23	—	6,600	1/10	616796000
	<b>Quality class ZA 24-T »Flexiamant Super« cast</b> <ul style="list-style-type: none"><li>■ Especially for processing different cast materials</li><li>■ Suitable for surface grinding, processing of weld seams, chamfering, deburring, ...</li><li>■ Abrasive grain: Zirconia alumina</li><li>■ Hardness: hard</li><li>■ Very high cutting output with good tool life</li><li>■ Maximum working speed 80 m/s</li></ul>					
	ZA 24-T	115 x 7.0 x 22.23	—	13,300	1/25	616517000
	ZA 24-T	125 x 7.0 x 22.23	—	12,200	1/25	616518000
	ZA 24-T	180 x 7.0 x 22.23	—	8,500	1/25	616519000

Cup wheels, tapered





- Resin-bonded
- Good cutting output with good tool life
- Maximum working speed 50 m/s
- For angle grinders with disc diameters of 180 mm and 230 mm

	Diameter x thickness x bore mm	Maximum speed /min	Sales unit / packaging unit	Order Number
<b>Quality class A 16-Q</b>				
<ul style="list-style-type: none"><li>■ Surface grind across the entire metal processing sector with angle grinders</li><li>■ Hardness: hard</li></ul>				
	110 x 55 x 22.23	8,600	1/6	616170000
	110 x 55 x 22.23	8,600	1/1	630725000*
<b>Quality class C 16-N</b>				
<ul style="list-style-type: none"><li>■ For rough work, even for cast iron</li><li>■ Surface grinding across the entire stone processing sector</li><li>■ Also suitable for cast iron materials and non-ferrous metals</li></ul>				
	110 x 55 x 22.23	8,600	1/6	616171000
	110 x 55 x 22.23	8,600	1/1	630726000*
<b>Quality class C 36-M</b>				
<ul style="list-style-type: none"><li>■ Surface grinding across the entire stone processing sector</li><li>■ Also suitable for cast iron materials and non-ferrous metals</li></ul>				
	110 x 55 x 22.23	8,600	1/6	616177000



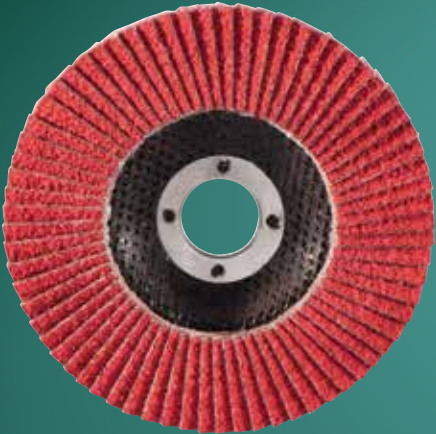
Cup Grinding Wheels

Cup wheels, cylindrical				
	Diameter x thickness x bore mm	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class A 80-M steel</b> <ul style="list-style-type: none"><li>■ Surface grind for all metal processing needs</li><li>■ Hardness: medium</li><li>■ Resin-bonded</li><li>■ Good cutting output with good tool life</li><li>■ Only for dry sanding/grinding</li><li>■ Maximum working speed 50 m/s</li><li>■ For angle grinders with wheel diameters of 115 mm, 125 mm and 150 mm</li></ul>			
	80 x 25 x 22.23	11,940	1/20	629174000
	80 x 25 x 22.23	11,940	1/1	630727000*
	<b>Quality class C 30-N stone</b> <ul style="list-style-type: none"><li>■ Surface grind for all stone processing needs</li><li>■ Hardness: medium</li><li>■ Resin-bonded</li><li>■ Good cutting output with good tool life</li><li>■ Only for dry sanding/grinding</li><li>■ Maximum working speed 50 m/s</li><li>■ For angle grinders with wheel diameters of 115 mm, 125 mm and 150 mm</li></ul>			
	80 x 25 x 22.23	11,940	1/20	629175000
	80 x 25 x 22.23	11,940	1/1	630728000*

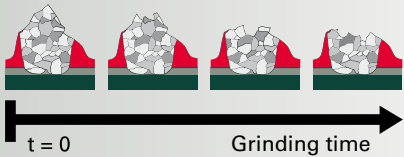
\*Self-service packaging

LAMELLAR GRIND-  
ING WHEELS AND  
FIBRE DISCS WITH  
CERAMIC GRAIN

THE NEW METABO  
CONVEX LAMELLAR  
GRINDING DISC



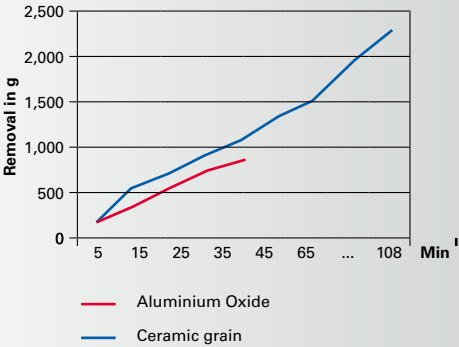
- **Extremely high tool life**  
thanks to high-quality ceramic grain
  - **Extremely high material removal**  
with little effort
  - **Uniform material removal across the entire service life** by virtue of self-sharpening ceramic grain
  - **Good bonding of the ceramic grain on the carrier material**
  - **Grind-active additional layer**
  - **Cool grinding on surfaces and edges**
  - **Fields of application:**  
Processing of sheet metal, container construction, die-cast parts, pipes, bars, metal, stainless steel, high-alloy steels, titanium alloy, chrome-nickel steel, brass, bronze etc.
  - Ideal also for extreme grinding jobs
- **Faster and more efficient work results**  
thanks to the design which is ideally adapted to fillet welds, also suitable for surface grinding
  - **Extremely high tool life**  
thanks to high-quality ceramic grit and/or zirkonia alumina
  - **Particularly long service life**  
thanks to the use of ceramic grit and/or zirkonia alumina and the high number of lamellae
  - **Specially shaped lamellar grinding plate**  
with lamellae that are rounded off towards the outer edges, suitable for all angle grinders
  - **Maximum working speed 80 m/s**



In the ceramic grit, fine aluminium oxide (Al<sub>2</sub>O<sub>3</sub>) crystals are bonded to each other by means of a sintering process. The grinding forces cause the micro crystals to break off during the grinding process so that the grinding grit always gets new, sharp cutting edges.





	Removed material after the end of the grinding time
Aluminium Oxide	890.0 g
Ceramic grain	2295.0 g

A ceramic grit fibre disc manages 2.5 times the removal of an aluminium oxide disc



















Lamellar Grinding Wheels


Lamellar Grinding Wheels						
	Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class aluminium oxide "Flexiamant"</b> <ul style="list-style-type: none"><li>■ Suitable for rough and intermediate grinding of steel, non-ferrous metals, wood and plastics</li><li>■ High lamellar lining on glass fibre plate</li><li>■ Uniform grinding capacity</li><li>■ Cool grinding</li><li>■ Low noise level</li><li>■ Even grinding results</li><li>■ Maximum working speed 80 m/s</li></ul>					
	115 x 22.23	P 40	⌒	13,300	1/10	624391000
	115 x 22.23	P 60	⌒	13,300	1/10	624392000
	115 x 22.23	P 80	⌒	13,300	1/10	624393000
	115 x 22.23	P 120	⌒	13,300	1/10	624394000
	125 x 22.23	P 40	⌒	12,200	1/10	624395000
	125 x 22.23	P 60	⌒	12,200	1/10	624396000
	125 x 22.23	P 80	⌒	12,200	1/10	624397000
	125 x 22.23	P 120	⌒	13,300	1/10	624398000
	<b>Quality class zirconia alumina "Novoflex"</b> <ul style="list-style-type: none"><li>■ Suitable for rough and intermediate grinding in all fields of metalworking including stainless steel, steel, cast iron, and sheet steel</li><li>■ Quality »Novoflex«: powerful entry-level class</li><li>■ Uniform grinding capacity</li><li>■ Cool grinding</li><li>■ Even grinding results</li><li>■ Most suitable for processing stainless steels</li><li>■ Maximum working speed 80 m/s</li></ul>					
	115 x 22.23	P 40	⌒	13,300	1/10	623175000
	115 x 22.23	P 60	⌒	13,300	1/10	623176000
	115 x 22.23	P 80	⌒	13,300	1/10	623177000
	115 x 22.23	P 120	⌒	13,300	1/10	623178000
	125 x 22.23	P 40	⌒	12,200	1/10	623195000
	125 x 22.23	P 60	⌒	12,200	1/10	623196000
	125 x 22.23	P 80	⌒	12,200	1/10	623197000
	125 x 22.23	P 120	⌒	12,200	1/10	623198000
	<b>Quality class zirconia alumina »Flexiamant«; with glass fibre plate</b> <ul style="list-style-type: none"><li>■ Suitable for rough and intermediate grinding in all fields of metalworking including stainless steel, steel, cast iron, and sheet steel</li><li>■ High lamellar lining on glass fibre plate</li><li>■ Uniform grinding capacity</li><li>■ Cool grinding</li><li>■ Low noise level</li><li>■ Even grinding results</li><li>■ Most suitable for processing stainless steels</li><li>■ Maximum working speed 80 m/s</li></ul>					
	115 x 22.23	P 40	⌒	13,300	1/10	624241000
	115 x 22.23	P 60	⌒	13,300	1/10	624243000
	115 x 22.23	P 80	⌒	13,300	1/10	624244000
	115 x 22.23	P 120	⌒	13,300	1/10	624239000
	125 x 22.23	P 40	⌒	12,200	1/10	624275000
	125 x 22.23	P 60	⌒	12,200	1/10	624277000
	125 x 22.23	P 80	⌒	12,200	1/10	624278000
	125 x 22.23	P 120	⌒	12,200	1/10	624279000
	178 x 22.23	P 40	⌒	8,500	1/10	624256000
	178 x 22.23	P 60	⌒	8,500	1/10	624258000
	178 x 22.23	P 80	⌒	8,500	1/10	624259000
	178 x 22.23	P 120	⌒	8,500	1/10	624276000
	115 x 22.23	P 40	⌒	13,300	1/10	624246000



Lamellar Grinding Wheels

	Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	115 x 22.23	P 60	⌒	13,300	1/10	624247000
	115 x 22.23	P 80	⌒	13,300	1/10	624248000
	125 x 22.23	P 40	⌒	12,200	1/10	624475000
	125 x 22.23	P 60	⌒	12,200	1/10	624477000
	125 x 22.23	P 80	⌒	12,200	1/10	624478000
	178 x 22.23	P 40	⌒	8,500	1/10	624356000
	178 x 22.23	P 60	⌒	8,500	1/10	624358000
	178 x 22.23	P 80	⌒	8,500	1/10	624359000
	<b>Quality class ceramics »Flexiamant Super«</b> <ul style="list-style-type: none"><li>■ Extremely high cutting output with little effort thanks to the self-sharpening ceramic grain</li><li>■ Excellent results for surface and edge grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li><li>■ Very high tool life; cool grinding on surfaces and edges</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	115 x 22.23	P 40	⌒	13,300	1/10	626166000
	115 x 22.23	P 60	⌒	13,300	1/10	626167000
	115 x 22.23	P 80	⌒	13,300	1/10	626168000
	125 x 22.23	P 40	⌒	12,200	1/10	626169000
	125 x 22.23	P 60	⌒	12,200	1/10	626170000
	125 x 22.23	P 80	⌒	12,200	1/10	626171000
	<b>Quality class ceramics »Flexiamant Super Convex«</b> <ul style="list-style-type: none"><li>■ Specially shaped lamellar grinding plate with lamellae that are rounded off towards the outer edges</li><li>■ Thanks to the special design it is particularly suited for processing fillet welds, making faster and more efficient processing possible; also suitable for surface grinding</li><li>■ Very high cutting output with very high tool life thanks to the use of ceramic grain</li><li>■ Cool cut for materials with poor thermal conduction</li><li>■ For grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	125 x 22.23	P 60	⌒	12,200	1/10	626460000
	125 x 22.23	P 80	⌒	12,200	1/10	626461000
	 150 x 22.23	P 60	⌒	10,200	1/10	626488000
	 150 x 22.23	P 60	⌒	10,200	1/10	626489000
	<b>Quality class zirconia alumina »Flexiamant Convex«</b> <ul style="list-style-type: none"><li>■ Specially shaped lamellar grinding plate with lamellae that are rounded off towards the outer edges</li><li>■ Grinding media: Zirconia alumina</li><li>■ Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding</li><li>■ High cutting output with very high tool life thanks to the use of zirconia alumina</li><li>■ Suitable for processing stainless steel and steel</li><li>■ Maximum working speed: 80 m/s</li></ul>					
	125 x 22.23	P 40	⌒	12,200	1/10	626462000
	125 x 22.23	P 60	⌒	12,200	1/10	626463000
	125 x 22.23	P 80	⌒	12,200	1/10	626464000
	 150 x 22.23	P 40	⌒	12,200	1/10	626490000
	 150 x 22.23	P 60	⌒	10,200	1/10	626491000
	 150 x 22.23	P 60	⌒	10,200	1/10	626492000




Lamellar Grinding Wheels						
	Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class ceramics »Flexiamant Super«</b> <ul style="list-style-type: none"><li>■ Lamellar grinding wheel with straight, profiled lamellae particularly suited for processing fillet welds. The profiled lamellae, arranged radially in the shape of a fan, adapt exceptionally well to the contours of the work piece. Ideally suited for an evenly smooth weld seam. Thanks to the offset shape it can also be used at hard to reach places.</li><li>■ Very high cutting output with very high tool life thanks to the use of ceramic grain</li><li>■ Excellent results for surface and edge grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li><li>■ Cool cut for materials with poor thermal conduction</li></ul>					
	125 x 22.23	P 40		10,000	1/5	626470000
	125 x 22.23	P 60		10,000	1/5	626471000
	125 x 8 x 5/8"	P 40		10,000	1/5	626486000
	125 x 8 x 5/8"	P 60		10,000	1/5	626487000

Fibre grinding discs					
	Diameter x bore mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Aluminium oxide, hole type: round hole, slotted</b> <ul style="list-style-type: none"><li>■ Suitable for use throughout the metal industry</li><li>■ For rough and fine grinding jobs</li><li>■ Processing weld joints, removing rust, deburring</li><li>■ High cutting output with good tool life</li><li>■ Even grinding results</li><li>■ Maximum working speed 80 m/s</li></ul>				
	100 x 16	P 24	15,300	1/25	624094000
	115 x 22.23	P 16	13,300	1/25	624135000
	115 x 22.23	P 24	13,300	1/25	624136000
	115 x 22.23	P 36	13,300	1/25	624145000
	115 x 22.23	P 40	13,300	1/25	624137000
	115 x 22.23	P 50	13,300	1/25	624144000
	115 x 22.23	P 60	13,300	1/25	624138000
	115 x 22.23	P 80	13,300	1/25	624139000
	115 x 22.23	P 100	13,300	1/25	624140000
	115 x 22.23	P 120	13,300	1/25	624141000
	115 x 22.23	P 150	13,300	1/25	624142000
	115 x 22.23	P 180	13,300	1/25	624143000
	125 x 22.23	P 16	12,200	1/25	624223000
	125 x 22.23	P 24	12,200	1/25	624218000
	125 x 22.23	P 36	12,200	1/25	624216000
	125 x 22.23	P 40	12,200	1/25	624219000
	125 x 22.23	P 50	12,200	1/25	624217000
	125 x 22.23	P 60	12,200	1/25	624220000
	125 x 22.23	P 80	12,200	1/25	624221000
	125 x 22.23	P 100	12,200	1/25	624222000
	125 x 22.23	P 120	12,200	1/25	624224000
	125 x 22.23	P 150	12,200	1/25	624225000
	125 x 22.23	P 180	12,200	1/25	624226000
	180 x 22.23	P 16	8,500	1/25	624123000
	180 x 22.23	P 24	8,500	1/25	624103000
	180 x 22.23	P 30	8,500	1/25	624124000
	180 x 22.23	P 36	8,500	1/25	624122000
	180 x 22.23	P 40	8,500	1/25	624104000
	180 x 22.23	P 50	8,500	1/25	624102000
	180 x 22.23	P 60	8,500	1/25	624105000
	180 x 22.23	P 80	8,500	1/25	624106000

	Diameter x bore mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order Number
	180 x 22.23	P 100	8,500	1/25	624107000
	180 x 22.23	P 120	8,500	1/25	624101000
	230 x 22.23	P 24	6,600	1/25	624227000
	230 x 22.23	P 40	6,600	1/25	624228000
	<b>Zirconia alumina, hole type: round hole, slotted</b> <ul style="list-style-type: none"><li>■ Suitable for use throughout the metal industry</li><li>■ For rough and fine grinding jobs</li><li>■ Especially for processing stainless steel</li><li>■ High cutting output with good tool life</li><li>■ Even grinding results</li><li>■ Maximum working speed 80 m/s</li></ul>				
	115 x 22.23	P 36	13,300	1/25	622971000
	115 x 22.23	P 40	13,300	1/25	622972000
	115 x 22.23	P 50	13,300	1/25	622973000
	115 x 22.23	P 60	13,300	1/25	622974000
	115 x 22.23	P 80	13,300	1/25	622975000
	115 x 22.23	P 100	13,300	1/25	622976000
	115 x 22.23	P 120	13,300	1/25	622977000
	125 x 22.23	P 36	12,200	1/25	622981000
	125 x 22.23	P 40	12,200	1/25	622982000
	125 x 22.23	P 60	12,200	1/25	622984000
	125 x 22.23	P 80	12,200	1/25	622985000
	125 x 22.23	P 100	12,200	1/25	622986000
	125 x 22.23	P 120	12,200	1/25	622987000
	180 x 22.23	P 36	8,500	1/25	622991000
	180 x 22.23	P 40	8,500	1/25	622992000
	180 x 22.23	P 60	8,500	1/25	622994000
	180 x 22.23	P 80	8,500	1/25	622995000
	180 x 22.23	P 100	8,500	1/25	622996000
	180 x 22.23	P 120	8,500	1/25	622997000
	<b>Ceramics, hole type: round hole, slotted</b> <ul style="list-style-type: none"><li>■ Extremely high cutting output with little effort thanks to the self-sharpening ceramic grain</li><li>■ Excellent results for surface grinding of steel and stainless steel. Ideal for extreme grinding jobs such as processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze, thanks to high load capacity.</li><li>■ Very high tool life; cool grinding</li><li>■ Ceramic filter discs achieve their best performance on powerful angle grinders with increased down pressure</li></ul>				
	115 x 22.23	P 24	13,300	1/25	626150000
	115 x 22.23	P 36	13,300	1/25	626151000
	115 x 22.23	P 60	13,300	1/25	626152000
	115 x 22.23	P 80	13,300	1/25	626153000
	125 x 22.23	P 24	12,200	1/25	626154000
	125 x 22.23	P 36	12,200	1/25	626155000
	125 x 22.23	P 60	12,200	1/25	626156000
	125 x 22.23	P 80	12,200	1/25	626157000
	180 x 22.23	P 24	8,500	1/25	626158000
	180 x 22.23	P 36	8,500	1/25	626159000
	180 x 22.23	P 60	8,500	1/25	626160000
	180 x 22.23	P 80	8,500	1/25	626161000

Semi-flexible sanding sheets

	Order Number
 <b>Semi-flexible sanding sheets</b> <ul style="list-style-type: none"><li>■ Suitable for use on masonry and stone work</li></ul> For use with the elastic backing pad 623279 Diameter: 115 mm Grit: C 24 Material suitability: stone Sales unit: 10	624873000



Cleaning Fleeces



For the removal of light rust, paint / varnish on metal, cleaning weld seams / steel / copper / aluminium / brass, sanding steel and texturing wood.

Diameter x bore mm	Order Number
115 x 22.23	624346000*
125 x 22.23	624347000*

Backing pads, standard



- Standard version for medium to rough grinding work
- Model with cooling ribs can be used for all other rough grinding work in addition to processing special steel, e.g. stainless
- The cooling ribs run radially on the grinding surface reducing overheating of workpiece and backing pad
- All pads with adjusting nut
- Maximum working speed 80 m/s
- 626418000: Special version with longer clamping nut for use on Metabo angle grinders with Autobalancer / brake

Diameter mm	Flange Nut	Maximum speed /min	Order Number
112	M 14	13,300	623279000*
122	M 14	12,200	623278000*
122	M 14	12,200	626418000*
175	M 14	8,500	623275000*
220	M 14	6,600	623280000*
97	M 10	15,300	623285000*
112	5/8 "	13,300	623283000*
122	5/8 "	12,200	623284000*
175	5/8 "	8,500	623281000*
220	5/8 "	6,600	623282000*

Backing pad with cooling ribs



- Standard version for medium to rough grinding work
- Model with cooling ribs can be used for all other rough grinding work in addition to processing special steel, e.g. stainless.
- The cooling ribs run radially on the grinding surface reducing overheating of workpiece and backing pad
- All pads with adjusting nut
- Maximum working speed 80 m/s

Diameter mm	Flange Nut	Maximum speed /min	Order Number
112	M 14	13,300	623290000*
122	M 14	12,200	623291000*
175	M 14	8,500	623292000*

Fleece compact grinding discs »Unitized« - VKS



- Made of compacted fleece material on a fibreglass disc
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels

Diameter x thickness x bore mm	Grit	Sales unit / packaging unit	Order Number
125 x 22.23	Very fine	1/1	626368000*
125 x 22.23	Very fine	1 / 5	626417000

Fleece compact grinding discs »Unitized« - VKS-ZK



- Several layers of pressed fleece material, soaked with resin-bonded abrasive grain (zirconia alumina)
- The addition of abrasive grain covers jobs from deburring to soft and flexible finishing jobs. It is suited for deburring, smoothing of weld seams, precise cleaning and finishing of surfaces.
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels
- Profiling of the grinding media possible for precise working. Minimal processing depth required. Bore of 22.23 mm (for angle grinder). Max. 10,000 min<sup>-1</sup>

Diameter x thickness x bore mm	Grit	Sales unit / packaging unit	Order Number
125 x 6 x 22.23	Coarse	1 / 5	626482000
125 x 6 x 22.23	medium	1 / 5	626483000

Combi Lamellar Grinding disc - KLS



- Made from high-quality pink aluminium oxide fabric in combination with high-quality grinding fleece
- For removal of material to fine polish in a single process. Very even grinding results with good material removal.
- For processing weld seams for example, and for grinding or polishing. For removing minor scratches and damage to the work piece.
- Suitable for grinding, cleaning and finishing work on stainless steel, steel, coloured and light metals, titanium alloys

Diameter x bore mm	Grit	Sales unit / packaging unit	Order Number
125 x 22.23	Coarse	1/1	626369000*
125 x 22.23	Coarse	1 / 5	626415000
125 x 22.23	medium	1/1	626370000*
125 x 22.23	medium	1 / 5	626416000

Fleece compact grinding discs »Unitized« - VKS




- Made from pressed fleece material
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels

Diameter x bore mm	Grit	Sales unit / packaging unit	Order Number
125	Very fine	1/1	626375000*


\*Self-service packaging



Cling-fit Backing Pad "Metabo Pyramid"





	<ul style="list-style-type: none"><li>■ Velcro-faced and with flexible intermediate layer, foam-moulded; for attaching polishing and sanding accessories</li><li>■ Sanding plates for polishing and medium-hard grinding jobs. Especially recommended for Metabo Pyramid cling-fit sanding sheets</li></ul>			
Female Thread	Diameter mm	Thickness mm	Sales Unit	Order Number
5/8 "	123	3	1	623298000*
M 14	123	3	1	623300000*

»Metabo Pyramid« cling-fit sanding sheets

	<ul style="list-style-type: none"><li>■ 3-dimensional structure of the grinding media (pyramid-shaped)</li><li>■ High removal of material with, at the same time, a very even and fine grinding result. Long service life. Faster progress when compared to tradition grinding media thanks to the considerable reduction in the number of working stages.</li><li>■ For removing scratches, mill skin on stainless steel. Preparation for polishing.</li><li>■ Suitable for use throughout the metal industry; especially for stainless steels, titanium, cobalt, nickel, chrome alloys</li></ul>			


Diameter mm	Grit	Sales unit / packaging unit	Order Number
125	P 120 (A 160)	1 / 5	626371000*
125	P 280 (A 65)	1 / 5	626372000*
125	P 400 (A 45)	1 / 5	626373000*
125	P 600 (A 30)	1 / 5	626374000*
125	P 1200 (A 16)	1 / 5	626403000*
125	P 2000 (A6)	1 / 5	626404000*

Further accessories for processing Inox

	Order Number
 <div><b>Vienna Lime</b><ul style="list-style-type: none"><li>■ For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.</li><li>■ Contents: 300 g, shaker</li></ul></div>	626399000
 <div><b>Stainless Steel Adhesive Tape</b><ul style="list-style-type: none"><li>■ For mitre cuts of welded stainless steel profiles.</li><li>■ Dimensions: 2.5 m x 40 mm</li></ul></div>	626376000
 <div><b>3 Micro-fibre cloths 380 x 380 mm</b><ul style="list-style-type: none"><li>■ For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue</li><li>■ Suitable for all metals and hard plastics</li></ul></div>	626398000*
 <div><b>Spray for stainless steel care 400 ml</b><ul style="list-style-type: none"><li>■ For cleaning, conserving and sealing of surfaces, especially of stainless steels.</li></ul></div>	626377000

\*Self-service packaging


Steel-wire cup brushes, twisted



- For universal use in metal processing, e.g. for cleaning, deburring, purging, removing rust, smoothing welding seams and points, stripping slag, scales and old paint
- For processing large areas, weld seams etc.
- Edging type: twisted steel wire

	Diameter mm	Female Thread	Wire thickness mm	Maximum speed /min	Sales Unit	Order Number
	70	M 14	0.35	11,000	1	623796000*
	70	M 14	0.35	11,000	50	623796700
	70	5/8 "	0.50	11,000	1	623804000*
	80	M 14	0.80	8,600	1	623710000*
	100	M 14	0.80	8,600	1	623711000*


Steel-wire cup brushes, stainless steel, twisted



- For universal use in stainless steel processing, e.g. for smoothing welding seams and points, stripping slag, scales and old paint. Ideally suited for processing stainless steels
- Edging type: twisted stainless steel wire

	Diameter mm	Female Thread	Wire thickness mm	Maximum speed /min	Sales Unit	Order Number
	70	M 14	0.35	11,000	1	623801000*
	70	5/8 "	0.35	11,000	1	623805000*


Steel-wire cup brushes, crimped steel



- For light surface processing and deburring work in all metal processing
- For processing larger areas, weld seams, metal plates
- Edging type: crimped steel wire

	Diameter mm	Female Thread	Wire thickness mm	Maximum speed /min	Sales Unit	Order Number
	75	M 14	0.30	11,000	1	623715000*
	100	M 14	0.30	8,600	1	623719000*

Steel-wire wheel brushes, twisted steel



- For universal use in metal processing, e.g. for processing of profiles, cutting edges, gear wheels, grooves, smoothing welding seams and points, stripping slag, scales and old paint
- Especially suitable for processing narrow workpieces as well as inner edges
- Edging type: twisted steel wire

	Diameter mm	Female Thread	Wire thickness mm	Maximum speed /min	Sales Unit	Order Number
	100	M 14	0.50	12,500	1	623803000*
	115	M 14	0.50	12,500	1	626770000*
	125	M 14	0.50	12,500	1	626771000*
NEW	125		0.50	12,500	1	626815000*
NEW	150		0.50	10,000	1	626816000*

\*Self-service packaging



# DIAMOND CUTTING DISCS: EXTREMELY EASY CUTTING, PRECISE AND DURABLE.

For processing of concrete and natural stone you need high-quality, robust diamond cutting discs. Metabo diamond cutting discs guarantee precise cutting, as they are manufactured from high-quality synthetic diamonds.

## Structure and function

**The saw blade**  
For the stability and smooth running accuracy, the steel core is made of hardened steel of a very high quality. The notches between the segments are for cooling purposes and give the disc the required stability.

**The cutting segments**  
The diamond studded segments consist of a mixture of diamond grit and metal powder. In manufacturing, only synthetic diamonds of the best quality are used. The mixture of diamonds and bonding agent is compacted under high pressure and temperature. During this process the cutting segment obtains its form. It is thicker than the basic blade so that a relief clearance is obtained.

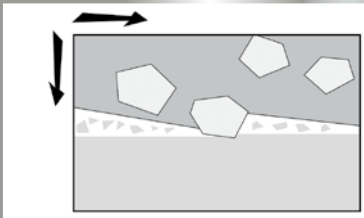
**Quality and area of application**  
The bond between the cutting segments and main disc body is a distinct aspect which you can use to measure for quality and/or the application in which the disc was designed for use:

**Soldering:**  
The connection between segment tips and the main disc is bonded with a silver solder. These discs are only utilized when cutting with water coolant. Due to the high temperatures generated when dry-cutting, segments can become detached. Increased risk of accidents!

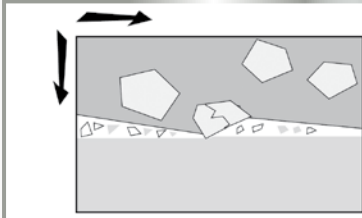
**Sintering:**  
The cutting segments are bonded to the disc body with temperature and pressure. This bond is so strong that sintered cutting discs can be used for dry-cutting without a problem.

**Laser welding:**  
The best bond is presently obtained with the laser welding process. With the laser beam a strong micro bond between segment and the main disc body is obtained.

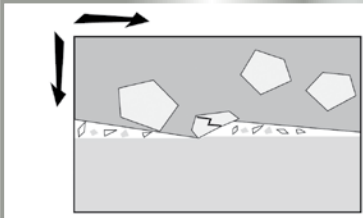
Laser welding gives safety of the highest level.



**Mode of operation**  
Each Metabo diamond cutting disc is "sharpened" at the factory for immediate use. During the sharpening process, the residues between the individual diamonds on the cutting segment are removed.



The metal bond holds all diamonds in place. During the cutting process the exposed diamonds slice through the contact material, leaving only a fine dust afterwards.



During the cutting process the diamonds splinter or break off. The harder the contact material the greater the wear. Simultaneously the material in the segment bond also wears off and bit by bit new diamonds are exposed.



Which diamond cutting disc is suitable for which application?

	Quality class »Professional«					Quality class »Classic«				
	UP Universal	UP-T ...Turbo	CP Concrete	AP Abrasive	TP Tiles	UC Universal	UC-T ...Turbo	CC Concrete	AC Abrasive	Tacho Consta- matic (TC) Tiles
Segment height	12 mm	10 mm	12 mm	12 mm	10 mm	7 mm	8 mm	7 mm	7 mm	8 mm
Material										
Asbestos cement	■	■		■		■	■		■	
Basalt	■	■	■			■	■	■		
Concrete	■	■	■			■	■	■		
Reinforced concrete	■	■	■			■	■	■		
Concrete, curb stones	■	■	■			■	■	■		
Concrete plate	■	■	■			■	■	■		
Concrete roof tiles	■	■	■	■		■	■	■	■	
Concrete industrial floors			■					■		
Roof tiles, red	■	■	■	■	■	■	■	■	■	■
Screed	■	■		■		■	■		■	
Fibre cement	■	■		■		■	■		■	
Fine earthenware					■					■
Glazed tiles					■					■
Non-glazed tiles					■					■
Gas or porous concrete	■	■		■		■	■		■	
Grey concrete	■	■		■		■	■		■	
Gneiss	■	■	■			■	■	■		
Granite	■	■	■			■	■	■		
Sand-lime brick, medium hard	■	■	■	■		■	■	■	■	
Sand-lime brick, soft	■	■		■		■	■		■	
Sand-lime brick, hard	■	■	■			■	■	■		
Ceramic					■					■
Clinkers, hard	■	■	■			■	■	■		
Clinkers, soft	■	■		■		■	■		■	
Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■
Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■
Mortar	■	■		■		■	■		■	
Natural sandstone, medium hard	■	■	■	■		■	■	■	■	
Natural sandstone, soft	■	■		■		■	■		■	
Natural slate	■	■	■	■		■	■	■	■	
Proton	■	■		■		■	■		■	
Porphyry	■	■	■			■	■	■		
Sandstone, medium hard	■	■	■	■		■	■	■	■	
Sandstone, hard	■	■	■			■	■	■		
Sandstone, soft	■	■		■		■	■		■	
Fireclay, hard	■		■					■		
Slate stones	■	■	■			■	■	■		
Silicate stones, very abrasive				■					■	
Terazzo	■	■	■	■		■	■	■	■	
Clay pipes	■	■		■		■	■		■	
Clay tile	■	■		■	■	■	■		■	■
Travertine	■	■		■		■	■		■	
Exposed aggregate concrete	■	■	■			■	■	■		
Glazed brick			■					■		
Brick, abrasive	■	■		■		■	■		■	


■ = highly suitable  
■ = well suited

■ = only partially suitable. The exclusive use of these materials will result in reduced service life or reduced cutting capacity





Segmented for general building materials						
	Diameter x bore mm	Segment Dimensions mm	Number of Segments	Maximum speed /min	Sales unit / packaging unit	Order Number
	<b>Quality class »professional« / UP</b> <ul style="list-style-type: none"><li>■ Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li><li>■ The universal disc with high quality diamonds for optimal cutting performance and a long tool life.</li><li>■ Laser welded diamond segments</li><li>■ Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 400 mm: 100 m/s)</li></ul>					
	115 x 22.23	32 x 2.15 x 12	8	13,200	1	628111000*
	125 x 22.23	32 x 2.15 x 12	9	12,200	1	628112000*
	150 x 22.23	38 x 2.15 x 12	10	10,200	1	628114000*
	180 x 22.23	40 x 2.3 x 12	14	8,500	1	628115000*
	230 x 22.23	40 x 2.5 x 12	15	6,600	1	628116000*
	300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6,300	1	628118000*
	350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5,400	1	628121000*
	400 x 25.4	40 x 3.2 x 12	28	4,700	1	628123000*
	125 x 22.23	32 x 2.15 x 12	9	12,200	1 / 2	628113000*
	<b>Quality class »classic« / UC</b> <ul style="list-style-type: none"><li>■ Well suited for all construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone and clay tiles.</li><li>■ Good cutting performance, optimum tool life</li><li>■ Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 400 mm: 100 m/s)</li></ul>					
	115 x 22.23	32 x 2.15 x 7	8	13,200	1	628156000*
	125 x 22.23	32 x 2.15 x 7	9	12,200	1	628157000*
	150 x 22.23	38 x 2.15 x 7	10	10,200	1	628158000*
	180 x 22.23	38 x 2.3 x 7	14	8,500	1	628159000*
	230 x 22.23	40 x 2.5 x 7	15	6,600	1	628160000*
	300 x 20 / 22.23 / 25.4	40 x 3,2 x 7	20	6,300	1	628161000*
	350 x 20 / 22.23 / 25.4	40 x 3,2 x 7	24	5,400	1	628164000*
	400 x 20	40 x 3,2 x 7	28	4,700	1	628166000*

Diamond Cutting Disc "Universal", segmented


	Diameter x bore mm	Segment width mm	Max. speed rpm	Sales unit / sales display	Order Number
	<b>Quality class "promotion", universal</b> <ul style="list-style-type: none"><li>■ For general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li><li>■ Sintered diamond segments</li><li>■ Segment height: 7.0 mm</li><li>■ Maximum working speed: 80 m/s</li><li>■ 10 pieces in sales display</li></ul>				
	115 x 22.23	7	13,300	1 piece / 10 pieces	624306000
	125 x 22.23	7	12,200	1 piece / 10 pieces	624307000
	150 x 22.23	7	10,200	1 piece / 10 pieces	624308000
	180 x 22.23	7	8,500	1 piece / 10 pieces	624309000
	230 x 22.23	7	6,600	1 piece / 10 pieces	624310000

\*Self-service packaging


For general building materials, closed edge »Turbo«

	Diameter x bore mm	Segment Dimensions mm	Number of Segments	Maximum speed /min	Sales Unit	Order Number
	<b>Quality class »professional« / UP-T</b> <ul style="list-style-type: none"><li>■ Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li><li>■ The circumferentially closed »Turbo« cutting edge provides a clean cutting edge without material chipping, optimal cutting performance and long tool life.</li><li>■ Sintered cutting edge</li><li>■ Segment height: 9.6 mm; maximum working speed 80 m/s</li></ul>					
	115 x 22.23	2.2 x 9.6		13,200	1	628124000*
	125 x 22.23	2.2 x 9.6		12,200	1	628125000*
	150 x 22.23	2.2 x 9.6		10,200	1	628126000*
	180 x 22.23	2.5 x 9.6		8,500	1	628127000*
	230 x 22.23	2.7 x 9.6		6,600	1	628128000*
	<b>Quality class »classic« / UC-T</b> <ul style="list-style-type: none"><li>■ Well suited for all construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone and clay tiles.</li><li>■ The circumferentially closed cutting edge provides a clean cutting edge without material chipping, good cutting performance and optimal tool life.</li><li>■ Laser welded diamond segments, segment height: 8.0 mm; Maximum working speed 80 m/s</li></ul>					
	115 x 22.23	2 x 8		13,200	1	628167000*
	125 x 22.23	2 x 8		12,200	1	628168000*
	150 x 22.23	2 x 8		10,200	1	628169000*
	180 x 22.23	2.3 x 8		8,500	1	628170000*
	230 x 22.23	2.5 x 8		6,600	1	628171000*


General construction / construction site material "Tuckpointing"

	Diameter x bore mm	Segment Dimensions mm	Number of Segments	Maximum speed /min	Sales Unit	Order Number
	<b>Quality class »professional« / UP-TP</b> <ul style="list-style-type: none"><li>■ Particularly suited for joints in plaster and masonry</li><li>■ Sintered cutting edge</li><li>■ Segment height: 10.0 mm; disc width: 6.0 mm; maximum working speed 80 m/s</li></ul>					
	125 x 22.23	10		13,200	1	624304000



Segmented; for hard materials

	Diameter x bore mm	Segment Dimensions mm	Number of Seg-ments	Maximum speed /min	Sales Unit	Order Number
	<b>Quality class »professional« / CP</b> <ul style="list-style-type: none"><li>■ Ideal for all hard construction materials such as concrete (including reinforced), concrete pipes, granite, hard sandstones, facing stones, exposed aggregate concrete.</li><li>■ The diamond quality and soft bond provides optimal cutting performance and long tool life</li><li>■ Laser welded diamond segments</li><li>■ Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li></ul>					
	115 x 22.23	32 x 2.15 x 12	8	13,200	1	628129000*
	125 x 22.23	32 x 2.15 x 12	9	12,200	1	628130000*
	150 x 22.23	38 x 2.15 x 12	10	10,200	1	628132000*
	180 x 22.23	40 x 2.3 x 12	14	8,500	1	628133000*
	230 x 22.23	40 x 2.5 x 12	15	6,600	1	628134000*
	300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6300	1	628136000*
	350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5,400	1	628139000*
	125 x 22.23	32 x 2.15 x 12	9	12,200	2	628131000*
	230 x 22.23	40 x 2.5 x 12	15	6,600	2	628135000*



\*Self-service packaging

	Diameter x bore mm	Segment Dimensions mm	Number of Segments	Maximum speed /min	Sales Unit	Order Number
	<b>Quality class »classic« / CC</b> <ul style="list-style-type: none"><li>■ Ideal for all hard materials such as concrete (including reinforced), concrete pipes, kerbstones, granite, hard sandstone, facing stones, exposed aggregate concrete.</li><li>■ High diamond quality with soft bond for good cutting performance and optimal tool life</li><li>■ Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li></ul>					
	115 x 22.23	32 x 2.15 x 7	8	13,200	1	628172000*
	125 x 22.23	32 x 2.15 x 7	9	12,200	1	628173000*
	150 x 22.23	38 x 2.15 x 7	10	10,200	1	628174000*
	180 x 22.23	38 x 2.3 x 7	14	8,500	1	628175000*
	230 x 22.23	40 x 2.5 x 7	15	6,600	1	628176000*
	300 x 20	40 x 2.8 x 7	20	6,300	1	628177000*
	350 x 20	40 x 3,2 x 7	24	5,400	1	628180000*

Segmented for hard materials

	Diameter x bore mm	Segment Dimensions mm	Number of Segments	Maximum speed /min	Sales Unit	Order Number
	<b>Quality class »professional« / AP</b> <ul style="list-style-type: none"><li>■ For best cutting performance in soft, abrasive materials, such as fresh concrete, sand-lime brick, sand stone</li><li>■ High diamond quality with soft bond ensures optimal cutting performance and long tool life</li><li>■ Laser welded diamond segments</li><li>■ Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li></ul>					
	115 x 22.23	32 x 2.15 x 12	8	13,200	1	628141000*
	125 x 22.23	32 x 2.15 x 12	9	12,200	1	628142000*
	150 x 22.23	38 x 2.15 x 12	10	10,200	1	628143000*
	180 x 22.23	40 x 2.3 x 12	14	8,500	1	628144000*
	230 x 22.23	40 x 2.5 x 12	15	6,600	1	628145000*
	300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6,300	1	628146000*
	350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5,400	1	628149000*
	<b>Quality class »classic« / AC</b> <ul style="list-style-type: none"><li>■ For all soft and abrasive materials such as fresh concrete, sand-lime brick, sand stone</li><li>■ High diamond quality with hard bond for good cutting performance and optimal tool life</li><li>■ Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li></ul>					
	115 x 22.23	32 x 2.15 x 7	8	13,200	1	628182000*
	125 x 22.23	32 x 2.15 x 7	9	12,200	1	628183000*
	150 x 22.23	38 x 2.15 x 7	10	10,200	1	628184000*
	180 x 22.23	38 x 2.3 x 7	14	8,500	1	628185000*
	230 x 22.23	40 x 2.5 x 7	15	6,600	1	628186000*
	300 x 20	40 x 3.2 x 7	20	6,300	1	628187000*
	350 x 20	40 x 3.2 x 7	24	5,400	1	628190000*





















\*Self-service packaging

For tiles; enclosed edge						
	Diameter x bore mm	Segment Dimensions mm	Number of Segments	Maximum speed /min	Sales Unit	Order Number
	<b>Quality class »professional« / TP</b> <ul style="list-style-type: none"><li>■ Special disc to meet the highest demands for all types of tiles, glazed and unglazed, natural stone slabs, fine earthenware</li><li>■ Optimal cutting quality and long tool life.</li><li>■ Sintered cutting edge</li><li>■ Segment height: 10.0 mm; Maximum working speed 80 m/s</li></ul>					
	115 x 22.23	1.7 x 10		13,200	1	628151000*
	125 x 22.23	1.7 x 10		12,200	1	628152000*
	150 x 22.23	1.7 x 10		10,200	1	628153000*
	180 x 22.23	1.7 x 10		8,500	1	628154000*
	230 x 22.23	1.7 x 10		6,600	1	628155000*
	<b>Quality class »classic« / TC</b> <ul style="list-style-type: none"><li>■ Special disc for all types of tiles, glazed and unglazed, natural stone slabs</li><li>■ Good cutting performance and optimal tool life</li><li>■ Sintered cutting edge, segment height: 7.0 mm; Maximum working speed 80 m/s</li></ul>					
	115 x 22.23	1.7 x 7		13,200	1	628192000*
	125 x 22.23	1.7 x 7		12,200	1	628193000*
	150 x 22.23	1.7 x 7		10,200	1	628194000*
	180 x 22.23	1.7 x 7		8,500	1	628195000*
	230 x 22.23	1.7 x 7		6,600	1	628196000*

\*Self-service packaging



Which machine and accessories for which application?

			Renovation Grinder RS 14-125			Renovation Grinder RS 17-125			Renovation Planer RF 14-115				
													
Range of applications			for small areas up to ~ 50 m²			for medium areas up to ~ 100 m²			for medium areas up to ~ 100 m²				
Accessories			Diamond cup wheel concrete »pro« Ø 125 mm	Diamond cup wheel abrasive »pro« Ø 125 mm	PCD cup wheel »pro« Ø 125 mm	Diamond cup wheel concrete »pro« Ø 125 mm	Diamond cup wheel abrasive »pro« Ø 125 mm	PCD cup wheel »pro« Ø 125 mm	Cutter head flat (complete) Ø 115 mm / M14	Cutter head pointed (complete) Ø 115 mm / M14	Diamond cup wheel concrete »pro« Ø 125 mm	Diamond cup wheel abrasive »pro« Ø 125 mm	PCD cup wheel »pro« Ø 125 mm
			Order Number 628205000	Order Number 628206000	Order Number 628208000	Order Number 628205000	Order Number 628206000	Order Number 628208000	Order Number 628212000	Order Number 628210000	Order Number 628205000	Order Number 628206000	Order Number 628208000
													
Concrete		Fresh concrete	■ Remove thick concrete layers	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		Old concrete/ very hard concrete > B35	■ Floor preparation		<input type="checkbox"/>								
Adhesive		Tile cement	■ Grinding and removal / planing ready for further processing (on soft and hard surfaces)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Elastic adhesive					<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
Screed		Soft	■ Levelling	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Hard		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
Plaster		■ Removal/cutting of hard cement plaster and / or (cement lime plaster) with high sand content		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		■ Grinding / removal of hard cement plaster		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		■ Grinding / removal of hard plaster (cement lime finishing plaster)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		■ Grinding / removal of synthetic resin plaster		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		■ Grinding / removal of lime plaster, gypsum plaster		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		■ Removal of gypsum filler		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Colour / coating		Latex colours and oil colours	■ Grinding and removal / milling for further processing (on soft and hard surfaces)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Elastic protective coatings (concrete colour)		<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
		Bitumen				<input type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>
		PU Polyurethane				<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
		Epoxy		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Natural stone / ceramics		Granite	■ Levelling of natural stone	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
		Ceramic		<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
		Marble		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

☐ Well suited    ☒ Highly suitable

For hard materials, quality class concrete »professional«



- Powerful diamond grinding wheel. Particularly suited for grinding of thick concrete layers, levelling of concrete, preparation of concrete, removal of sludge residue and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, levelling of granite, natural stone and other very hard materials, for clean processing of edges, without chipping.

Diameter x bore mm	Number of Segments	Sales Unit	Order Number
125 x 22.23	16	1	628205000*

For abrasive materials, quality class abrasive »professional«



- Powerful diamond grinding cup wheel. Particularly suited for grinding of fresh concrete coatings, chalk and cement plaster, gypsum filler, levelling of fresh screed, removal of tile adhesive and processing of marble.

Diameter x bore mm	Number of Segments	Sales Unit	Order Number
125 x 22.23	16	1	628206000*

For concrete coatings, quality class »professional«



- Powerful specialized cup wheel. Ideally suited for spot grinding and removal of elastic protective coatings (on soft and hard surfaces), adhesives, sealants, removal of latex and oil paints, bitumen, PU/polyurethane, epoxy, elastic adhesive, for removal of lime plaster and gypsum plaster, abrading of resin plaster and hard cement plaster.
- Cup wheel equipped with PCD segments (poly-crystalline diamonds). By virtue of the PCD segments, particularly problematic coatings are removed quickly and effectively without bonding.

Diameter x bore mm	Sales Unit	Order Number
125 x 22.23	1	628208000*





For hard materials, quality class concrete »classic«






- Double-coated diamond cup wheel for grinding of thick concrete layers, levelling of concrete, preparation of concrete, removal of sludge skins and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, levelling of granite, natural stone and other very hard materials

Diameter x bore mm	Number of Segments	Sales Unit	Order Number
125 x 22.23	20	1	628209000*


\*Self-service packaging

Cutter head pointed complete		
		Order Number
	<ul style="list-style-type: none"><li>■ Cutting head pointed tooth - contact face tipped with 15 carbide stars</li><li>■ For the removal of hard plaster, concrete, foam backing, adhesive remains, paint coatings on plaster, synthetic resin plaster, elastic protective coatings, plaster on beams and latex / oil paint on plaster</li><li>■ The subsurface is roughened by the pointed shape of the stars</li></ul>	628210000*
Cutter head flat complete		
		Order Number
	<ul style="list-style-type: none"><li>■ Cutting head flat tooth - contact face tipped with 15 carbide stars</li><li>■ For the removal of soft materials such as plaster, fresh ("green") concrete, foam backing and adhesive remains, soft PU coatings, paint coatings on plaster, plaster on wooden beams, latex / oil paint on plaster, formwork joints and concrete runs on fresh concrete areas</li><li>■ The subsurface becomes smooth thanks to the flat shape of the stars (pulling cut)</li></ul>	628212000*
Stars, pointed head (set=15 pieces)		
		Order Number
	<ul style="list-style-type: none"><li>■ For retrofitting the cutter head</li></ul>	628211000*
Stars, flat head (set=15 pieces)		
		Order Number
	<ul style="list-style-type: none"><li>■ For retrofitting the cutter head</li></ul>	628213000*

\*Self-service packaging

Diamond drill bits for tiles »Dry«, M14		
	<ul style="list-style-type: none"><li>■ M14 Thread for use on angle grinders</li><li>■ Vacuum hard soldered diamonds for a long service life and quick drilling progress</li><li>■ Aperture in the shank for easy removal of the drilled core</li><li>■ Developed for dry use, no separate cooling required</li></ul>	
Diameter mm	Sales Unit	Order Number
6	1	628300000*
8	1	628301000*
10	1	628302000*
12	1	628303000*
14	1	628304000*
18	1	628305000*
20	1	628306000*
25	1	628307000*
32	1	628308000*
35	1	628309000*
40	1	628310000*
45	1	628318000*
50	1	628311000*
55	1	628312000*
60	1	628313000*
68	1	628314000*
75	1	628315000*
82	1	628316000*
Diamond drill bit set for tiles		
		Order Number
	<b>Diamond drill bit set for tiles »Dry« 7 pieces</b> <ul style="list-style-type: none"><li>■ M14 Thread for use on angle grinders</li><li>■ Vacuum hard soldered diamonds for a long service life and quick drilling progress</li><li>■ Opening in the shaft for easy removal of the drilled core</li><li>■ Developed for dry use, no separate cooling required</li></ul> Set consisting of: each 1 x Ø 6 mm, 8 mm, 14 mm, 35 mm, 40 mm, 50 mm, 68 mm; 1 x Plusbox 623581	628317000
	<b>Diamond drill bit set for tiles »Dry« , 7 pieces</b> <ul style="list-style-type: none"><li>■ M14 Thread for use on angle grinders</li><li>■ Vacuum hard soldered diamonds for a long service life and quick drilling progress</li><li>■ Aperture in the shank for easy removal of the drilled core</li><li>■ Developed for dry use, no separate cooling required</li></ul> Set consisting of: each 1 x Ø 35 mm, 50 mm, 68 mm; 1 x Plusbox L 6.23581	628322000






Other accessories for angle grinders


		Order Number
	<b>Bench Cut-off Stand</b> <ul style="list-style-type: none"><li>■ Suitable for all Metabo angle grinders with cutting disc Ø 230 mm</li><li>■ For secure fixed use of the angle grinder as a cutting machine: also suitable for mitre cuts up to 45°</li><li>■ Largest cut depth when using an angle grinder with 230mm cutting wheel = 50 mm; maximum span width = 100 mm</li><li>■ Dimensions of table top: 244 x 321 mm; table height: 34.5 mm</li><li>■ Scope of delivery: length stop, 6 mm Allen key</li></ul> Weight: 9.7 kg	635000000


\*Self-service packaging






Support handles for angle grinders		
		Order Number
	<b>Metabo VibraTech (MVT) side handle. M 14</b> <ul style="list-style-type: none"><li>■ Suitable for all two-hand operated angle grinders with M 14 thread</li></ul>	627360000*
	<b>Metabo VibraTech (MVT) side handle, M 8</b> <ul style="list-style-type: none"><li>■ Suitable for Metabo one-hand operated angle grinders with M 8 thread</li></ul>	627361000*
	<b>Front handle WS</b> <ul style="list-style-type: none"><li>■ Front handle with ideal ergonomics, e.g. for surface grinding with fibre discs, diamond cup wheels, light polishing work etc.</li><li>■ Suitable for Metabo angle grinders W..9..; WE 10..; W..12..; WE 15..; WE 17..</li></ul>	623262000
 <div></div>	<b>Multiple position bar for side handle</b> <ul style="list-style-type: none"><li>■ The 180° bar permits variable individual adjustment of the side handle position for ergonomic, low-fatigue working e.g. for cutting jobs or for left-handed users</li><li>■ The side handle can be adjusted without tools for changing working positions</li><li>■ The robust hexagon shape permits folding the side handle to the rear (at an angle of 45° to the machine) for safe, two-handed operation in confined spaces</li><li>■ Suitable for W..9-1..; WEV 10-125; W..12-1..; WE15-1..; WE..17-1..; W..8-1..; WE9-125; W..11-1..; WEQ 1400-125; WE14-1..</li></ul>	627362000


Hand Guard		
		Order Number
	<b>Hand Guard</b> <ul style="list-style-type: none"><li>■ For fitting under the angle grinder's side support handle when working with the backing pads</li><li>■ For all angle grinders</li></ul>	630327000


Inner Support Flange		
		Order Number
	<b>Inner Support Flange</b> <ul style="list-style-type: none"><li>■ For all angle grinders with M 14-spindle thread, except W 7-100</li></ul>	630705000



Flange Nut		
		Order Number
	<b>Flange Nut</b> <ul style="list-style-type: none"><li>■ For all angle grinders with M 14-spindle thread</li></ul>	630706000

"Quick" Flange Nut		
		Order Number
	<b>"Quick" flange nut M 14</b> <ul style="list-style-type: none"><li>■ For all large angle grinders; suitable for other makes (required minimum free spindle length 10 mm); required thread connection M 14; tool-free disc change</li></ul>	630800000*
<b>Metabo "Quick" flange nut M 14</b> <ul style="list-style-type: none"><li>■ Especially for Metabo Quick system for tool-less disc change at the touch of a button. Suitable for all small Metabo angle grinders with red M-Quick spindle button, except W 6-115, W 6-125, WB 11-125 required thread connection M 14</li></ul>		630802000*

Flat-pin Spanner		
		Order Number
	<b>Flat-pin Spanner</b> For angle grinders with disc diameter 100 mm - 150 mm Model: straight Grinding disc-Ø: 100/150 mm	623934000*
	<b>Flat-pin Spanner</b> For angle grinders with disc diameter 180 mm - 230 mm Model: straight Grinding disc-Ø: 180/230 mm	623935000*
	<b>Flat-pin Spanner</b> For angle grinders with disc Ø 115-230 mm Model: offset Grinding disc-Ø: 115/230 mm	623910000*

Working gloves M1		
	<ul style="list-style-type: none"><li>■ Tailored protective glove</li><li>■ Finish made from easy-grip, soft Amara leather on the palm, high degree of flexibility and grip</li><li>■ Protection from mechanical stress</li><li>■ Abrasion-proof, breathable</li><li>■ Does not contain any substances known to cause allergies</li><li>■ DIN EN 388 (2121)</li></ul>	
		Order Number
Working gloves M1, size 9		623757000*
Working gloves M1, size 10		623758000*

Working gloves M2		
	<ul style="list-style-type: none"><li>■ Ideally shaped 5-finger knitted glove made from PA/Spandex, palm coated in black Nitrile/PU</li><li>■ Breathable</li><li>■ Excellent safe grip</li><li>■ Does not contain any substances known to cause allergies</li><li>■ DIN EN 388 (3131)</li></ul>	
		Order Number
Working gloves M2, size 9		623759000*
Working gloves M2, size 10		623760000*

Safety goggles		
		Order Number
	<b>Protective Goggles</b> <ul style="list-style-type: none"><li>■ More than just normal protective goggles: its modern fashion look make them a welcome companion in your daily work</li><li>■ Perfect all-round protection, large field of vision thanks to specially shaped lens</li><li>■ Excellent ventilation thanks to optimally integrated temple concept</li><li>■ Special coating (outside scratch-proof, inside anti-fog)</li><li>■ Lens colourless, UV 2 - 1.2</li></ul>	623750000*
	<b>Protective goggles, solar protection</b> <ul style="list-style-type: none"><li>■ More than just normal protective goggles: its modern fashion look make them a welcome companion in your daily work</li><li>■ Perfect all-round protection, large field of vision thanks to specially shaped lens</li><li>■ Excellent ventilation thanks to optimally integrated temple concept</li><li>■ Special coating (outside scratch-proof, inside anti-fog)</li><li>■ Grey lens, UV 5 - 2.5</li></ul>	631071000*

\*Self-service packaging





## THE MOST IMPORTANT ASPECT WHEN IT COMES TO SERVICE: YOUR SATISFACTION.

When deciding on a Metabo machine you always get a good feeling when you receive a quick and straightforward solution to any requirement. Be it maintenance, repairs or spare parts: We quickly bring you and your Metabo machine back together. Your readiness is the measure of all things. We know this, and consequently adjust our service to ensure it.

### 24 hour repair service



Machine broken? We step on the gas: Within 24 hours after reaching us, your machine will leave again our premises ready to use. Guaranteed!

### Spare part express service



Do you need to order spare parts up to 3pm? Even then you will have the spare part in your hands within 24 hours.

### Free disposal of old tools



There will come a point when even the most durable Metabo machine will have had its day. In this case we gladly take over the professional disposal for you.

### Online services



At [www.metabo.de/service](http://www.metabo.de/service) you can obtain all information related to your Metabo machine and service.

### Fixed prices for repairs



Simply fair: Repairs are carried out at fair calculated fixed prices. And the best part: afterwards we grant a warranty of six months.

### 8 year guarantee of spare parts availability



Good to know: Even when we do not sell your particular angle grinder anymore, we can still supply you with the required spare parts for up to 8 years.

### 3-year warranty



Your safety plus: After having registered your Metabo tool online, you receive a certified extension to the standard warranty - resulting in Metabo's full 3 years' warranty.



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