

 **EUROBOOR**

FOR PROFESSIONALS BY PROFESSIONALS



**BURRS AND
MACHINES**

DIE GRINDING MACHINES

Exceptionally powerful for demanding use

- Maximum Control & Power
- Ergonomic
- VibraTec for perfect balance

At Euroboor we develop all of our machines with the professional users in mind. By using high quality materials, our grinding machines deliver excellent results. Euroboor die grinders are the number one choice for grinding, polishing, deburring and smoothing sharp edges. They are specially engineered to give you maximum control and the power you need to get the job done fast and safely.

Euroboor offers you both Electric and Air Pressured grinding machines which brings you great results under all circumstances. We continuously improve our machines by making them lighter, more ergonomic and by reducing vibration. The Euroboor VibraTec technology makes sure that vibration is minimized, which contributes to smoother, high quality finishes!

We invite you to take a closer look at our product range and see what we can do for you.

VibraTec Technology

Vibration limitation for easy operation, perfect balance and high quality finishes!

Other brand



Euroboor



Please refer to our VibraTec technology grinding machines to see what they could offer you!



CARBIDE ROTARY BURRS

The best choice for you!



Why choose Euroboor carbide rotary burrs?
Simple: They are tough to break and provide high stock removal!



Samurai precision!

Advanced heat treatment technology is applied on Euroboor rotary burrs, improving the strength of the steel, creating sharper edges and wear resistance.



HIGH stock removal & save time!

Thanks to the design and characteristics of tungsten carbide, Euroboor rotary burrs provide high stock removal. This saves a lot of time and energy.



Silver welding

The improved welding technology on the shank makes the burrs very strong and capable of handling high forces and high temperatures without breaking.



Lasts 50% longer!

Due to the innovative surface treatment and choice of materials, the Euroboor rotary burrs last 50% longer compared to conventional rotary burrs.



Conical shaped shank

The advanced conical shape of the shank divides the pressure over a larger area, making the burr less likely to break under high forces.



High durability – Less waste

All of our research, innovations and applied technologies bring you high quality rotary burrs that are suited for the toughest jobs, without breaking or losing performance. This means no more waste of burrs and money. That makes Euroboor burrs the best choice for you!

ROTARY BURRS

OVERVIEW

Euroboor carbide rotary burrs are available in different cuts, models and sizes. Your choice depends on which material you have to work on and what finish you need.

Our burrs have a universal shank, but are best used in combination with one of the Euroboor grinding machines.

Use with:

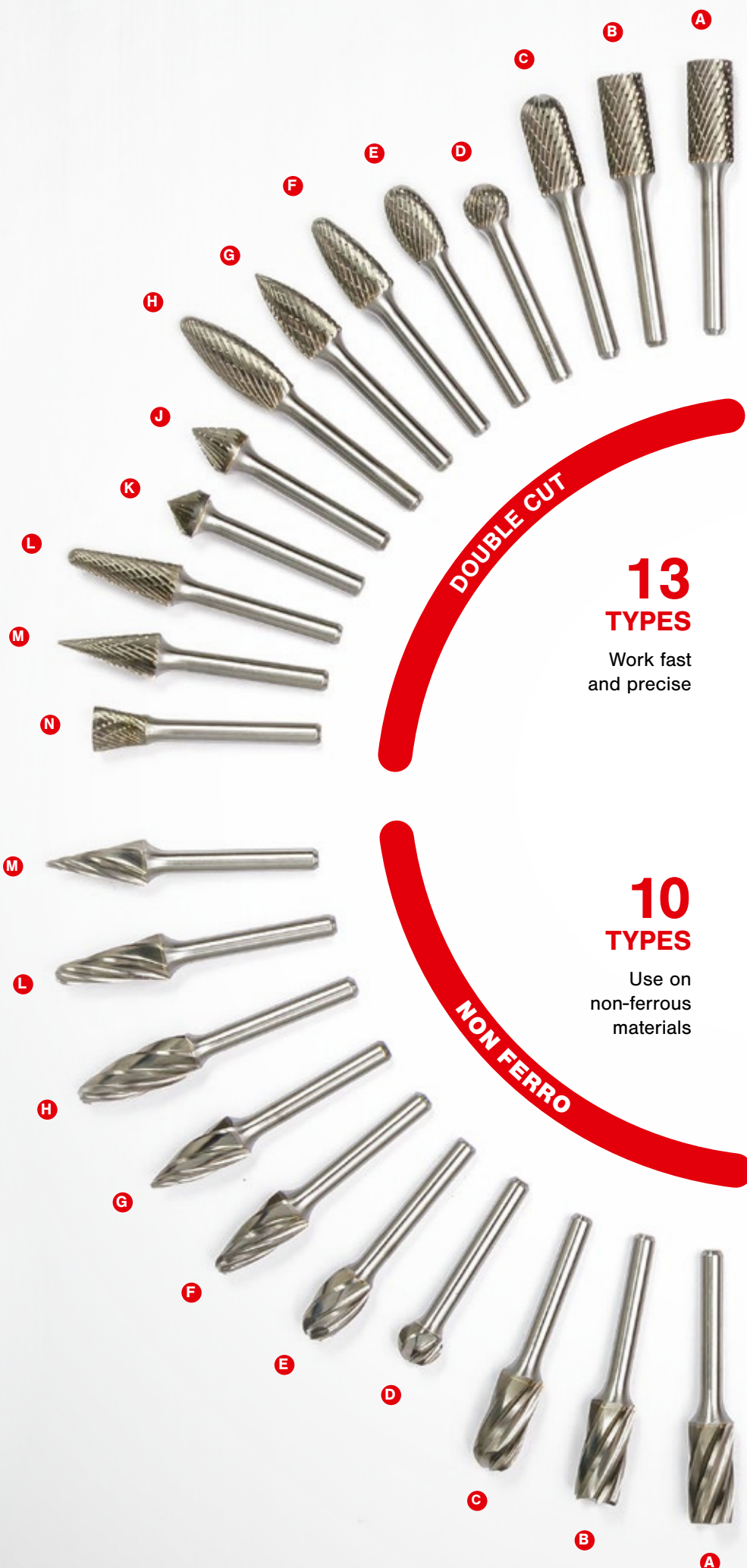
Euroboor die grinders
ADG.2A, ADG.2S,
ADG2E, EBG.600/18V
or other powerful
die grinders

Applications:

- Cutting out holes
- Deburring
- Leveling
- Milling
- Surfacing
- Smoothing welds
- Shaping

Also suitable for:

- Use in robotics
- Flexible and straight shaft drive
- CNC machines



**13
TYPES**

Work fast
and precise

**10
TYPES**

Use on
non-ferrous
materials

CARBIDE BURRS & APPLICATIONS

Our carbide burrs can be used on most hard materials, such as hardened and unhardened steel, aluminum and cast iron. The Euroboor carbide burrs are perfect for professionals as they will last for a long time, under high loads or high temperatures, with no breaking or chipping. Different cuts of carbide burrs are available with each cut having its own characteristics and capabilities.



Double cut carbide burr

Double cut burrs allow fast stock removal. The finer tothing surface provides high stock removal with fine and short chips for high control and great surface finish.

Ideal for

Cast iron

Cast steel

Unhardened steels

Low alloy steels

Stainless steel

Brass

Bronze / Copper



Non Ferro carbide burr

They are especially designed to have a high stock removal on non-ferrous materials.

Ideal for

Plastics

Aluminium

Zinc alloy



CARBIDE ROTARY BURRS SPECIFICATION

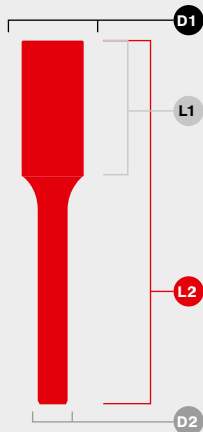
Our carbide rotary burrs are available in different cuts, models and sizes. All with their own characteristics and capabilities. Due to our innovative shape and welding technique, the burrs have high durability and due to advanced

heat treatments the carbide rotary burrs are long lasting and capable of high stock removal with fine grains. This makes the Euroboor carbide burrs perfectly suitable for all kind of situations.

| | Cast iron | Cast steel | Unhardened steels | Hardened steels | Low alloy steels | High alloy steels | Heat treated steels | Stainless steel | Titanium alloy | Brass | Bronze / Copper | Plastics | Aluminium | Zinc alloy |
|------------|-----------|------------|-------------------|-----------------|------------------|-------------------|---------------------|-----------------|----------------|-------|-----------------|----------|-----------|------------|
| Double cut | • | • | • | | • | | | • | | • | • | | | |
| Non Ferro | | | | | | | | | | | | • | • | • |

Type A

Without end cut



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-----|-------|----------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SA-1DC |
| 5/16 | 1/4 | 3/4 | 2-1/2 | SA-2DC* |
| 3/8 | 1/4 | 3/4 | 2-1/2 | SA-3DC |
| 3/8 | 1/4 | 3/4 | 6-3/4 | SA-3X6DC |
| 1/2 | 1/4 | 1 | 2-3/4 | SA-5DC |
| 1/2 | 1/4 | 1 | 2-3/4 | SA-5X6DC |
| 5/8 | 1/4 | 1 | 2-3/4 | SA-6DC |
| 3/4 | 1/4 | 1 | 2-3/4 | SA-7DC |
| 1 | 1/4 | 1 | 2-3/4 | SA-9DC |

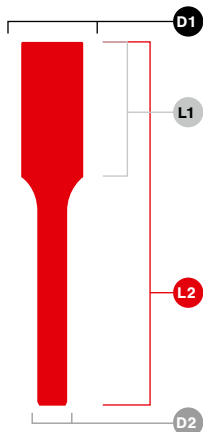


Non Ferro

| D1 | D2 | L1 | L2 | Code |
|-----|-----|----|-------|--------|
| 1/2 | 1/4 | 1 | 2-3/4 | SA-5NF |

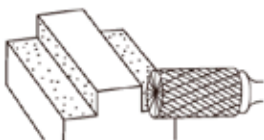
Type B

With end cut

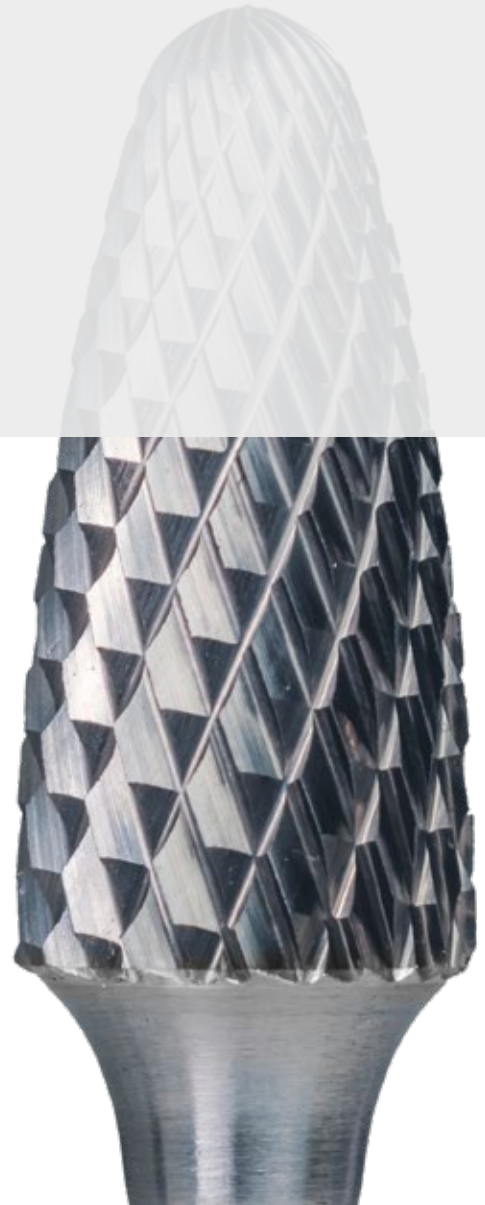


Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-----|-------|---------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SB-1DC |
| 5/16 | 1/4 | 3/4 | 2-1/2 | SB-2DC* |
| 3/8 | 1/4 | 3/4 | 2-1/2 | SB-3DC |
| 1/2 | 1/4 | 1 | 2-3/4 | SB-5DC |
| 5/8 | 1/4 | 1 | 2-3/4 | SB-6DC* |
| 3/4 | 1/4 | 1 | 2-3/4 | SB-7DC |
| 1 | 1/4 | 1 | 2-3/4 | SB-9DC |

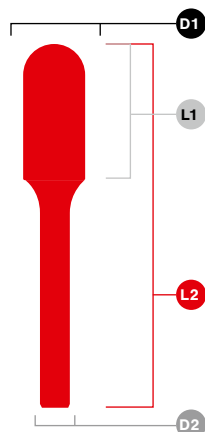


* Call for inventory availability



Type C

Ball nose cylinder



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-----|-------|----------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SC-1DC |
| 5/16 | 1/4 | 3/4 | 2-1/2 | SC-2DC* |
| 3/8 | 1/4 | 3/4 | 2-1/2 | SC-3DC |
| 1/2 | 1/4 | 1 | 2-3/4 | SC-5DC |
| 1/2 | 1/4 | 1 | 7 | SC-5X6DC |
| 5/8 | 1/4 | 1 | 2-3/4 | SC-6DC* |
| 3/4 | 1/4 | 1 | 2-3/4 | SC-7DC |
| 1 | 1/4 | 1 | 2-3/4 | SC-9DC |

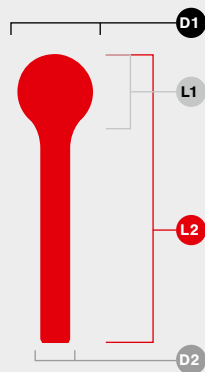


Non Ferro

| D1 | D2 | L1 | L2 | Code |
|-----|-----|----|-------|--------|
| 1/2 | 1/4 | 1 | 2-3/4 | SC-5NF |

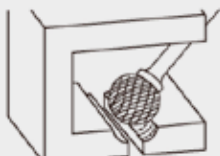
Type D

Ball



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-------|--------|----------|
| 1/4 | 1/4 | 7/32 | 2 | SD-1DC* |
| 5/16 | 1/4 | 1/4 | 2 | SD-2DC* |
| 3/8 | 1/4 | 5/16 | 2-1/16 | SD-3DC |
| 1/2 | 1/4 | 7/16 | 2-1/5 | SD-5DC |
| 1/2 | 1/4 | 7/16 | 6-1/2 | SD-5X6DC |
| 5/8 | 1/4 | 9/16 | 2-1/3 | SD-6DC* |
| 3/4 | 1/4 | 11/16 | 2-4/9 | SD-7DC |
| 1 | 1/4 | 15/16 | 2-2/3 | SD-9DC |

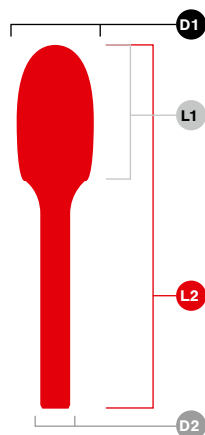


Non Ferro

| D1 | D2 | L1 | L2 | Code |
|-----|-----|------|-------|--------|
| 1/2 | 1/4 | 7/16 | 2-1/5 | SD-5NF |

Type E

Oval



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-----|-------|---------|
| 1/4 | 1/4 | 3/8 | 2-1/8 | SE-1DC |
| 5/16 | 1/4 | 1/2 | 2-1/4 | SE-2DC* |
| 3/8 | 1/4 | 5/8 | 2-3/8 | SE-3DC |
| 1/2 | 1/4 | 7/8 | 2-5/8 | SE-5DC |
| 5/8 | 1/4 | 1 | 2-3/4 | SE-6DC* |
| 3/4 | 1/4 | 1 | 2-3/4 | SE-7DC |



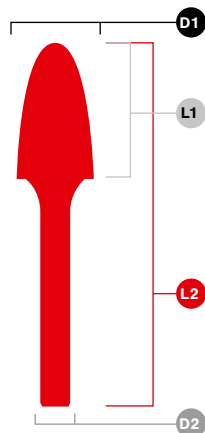
Non Ferro

| D1 | D2 | L1 | L2 | Code |
|-----|-----|------|-------|--------|
| 1/2 | 1/4 | 7/16 | 2-5/8 | SE-5NF |

* Call for inventory availability

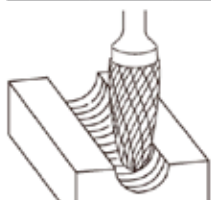
Type F

Ball nose tree



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-----|-------|----------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SF-1DC |
| 5/16 | 1/4 | 3/4 | 2-1/2 | SF-2DC* |
| 3/8 | 1/4 | 3/4 | 2-1/2 | SF-3DC |
| 3/8 | 1/4 | 3/4 | 6-3/4 | SF-3X6DC |
| 1/2 | 1/4 | 1 | 2-3/4 | SF-5DC |
| 1/2 | 1/4 | 1 | 7 | SF-5X6DC |
| 5/8 | 1/4 | 1 | 2-3/4 | SF-6DC* |
| 3/4 | 1/4 | 1 | 2-3/4 | SF-7DC |
| 1 | 1/4 | 1 | 2-3/4 | SF-9DC* |

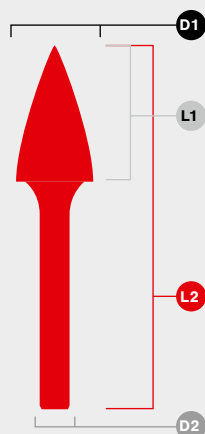


Non Ferro

| D1 | D2 | L1 | L2 | Code |
|-----|-----|-----|-------|----------|
| 3/8 | 1/4 | 3/4 | 2-1/2 | SF-3NF |
| 3/8 | 1/4 | 3/4 | 6-3/4 | SF-3X6NF |
| 1/2 | 1/4 | 1 | 2-3/4 | SF-5NF |
| 3/4 | 1/4 | 1 | 2-3/4 | SF-7NF |

Type G

Arc pointed tree



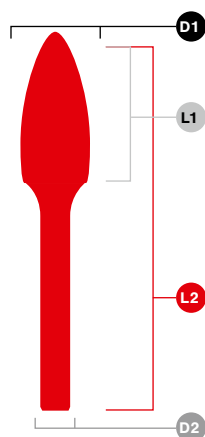
Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|-----|-------|----------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SG-1DC |
| 5/16 | 1/4 | 3/4 | 2-1/2 | SG-2DC* |
| 3/8 | 1/4 | 3/4 | 2-1/2 | SG-3DC |
| 1/2 | 1/4 | 1 | 2-3/4 | SG-5DC |
| 1/2 | 1/4 | 1 | 7 | SG-5X6DC |
| 5/8 | 1/4 | 1 | 2-3/4 | SG-6DC |
| 3/4 | 1/4 | 1 | 2-3/4 | SG-7DC |



Type H

Flame



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|--------|-------|---------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SH-1DC* |
| 5/16 | 1/4 | 3/4 | 2-1/2 | SH-2DC |
| 3/8 | 1/4 | 1 | 2-3/4 | SH-3DC* |
| 1/2 | 1/4 | 1-1/4 | 3 | SH-5DC |
| 5/8 | 1/4 | 1-7/16 | 3-1/4 | SH-6DC* |
| 3/4 | 1/4 | 1-5/8 | 3-3/8 | SH-7DC |

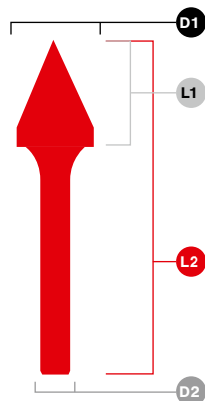


* Call for inventory availability



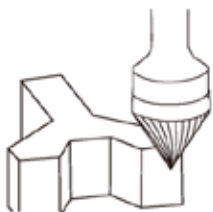
Type J

60 degree cone



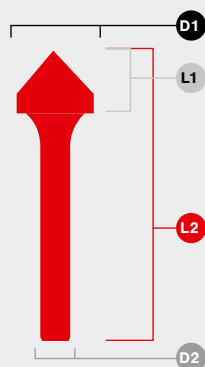
Double cut

| D1 | D2 | L1 | L2 | Code |
|-----|-----|-------|-------|---------|
| 1/4 | 1/4 | 3/16 | 2 | SJ-1DC* |
| 3/8 | 1/4 | 5/16 | 2-1/5 | SJ-3DC* |
| 1/2 | 1/4 | 7/16 | 2-1/3 | SJ-5DC |
| 5/8 | 1/4 | 9/16 | 2-4/9 | SJ-6DC* |
| 3/4 | 1/4 | 11/16 | 2-5/9 | SJ-7DC* |
| 1 | 1/4 | 15/16 | 2-7/9 | SJ-9DC* |



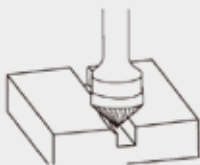
Type K

90 degree cone



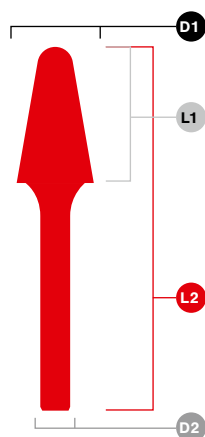
Double cut

| D1 | D2 | L1 | L2 | Code |
|-----|-----|------|--------|---------|
| 1/4 | 1/4 | 1/8 | 2 | SK-1DC* |
| 3/8 | 1/4 | 3/16 | 2-1/16 | SK-3DC* |
| 1/2 | 1/4 | 1/4 | 2-1/9 | SK-5DC |
| 5/8 | 1/4 | 5/16 | 2-1/4 | SK-6DC* |
| 3/4 | 1/4 | 3/8 | 2-1/3 | SK-7DC* |
| 1 | 1/4 | 1/2 | 2-3/8 | SK-9DC* |



Type L

Ball nose cone



Double cut

| D1 | D2 | L1 | L2 | Code |
|------|-----|--------|--------|----------|
| 1/4 | 1/4 | 5/8 | 2-3/8 | SL-1DC |
| 5/16 | 1/4 | 7/8 | 2-3/4 | SL-2DC* |
| 3/8 | 1/4 | 1 | 3 | SL-3DC |
| 3/8 | 1/4 | 1 | 7-1/16 | SL-3X6DC |
| 1/2 | 1/4 | 1-1/8 | 3 | SL-4DC |
| 1/2 | 1/4 | 1-1/8 | 7-1/8 | SL-4X6DC |
| 5/8 | 1/4 | 1-3/16 | 4-1/8 | SL-5DC |
| 3/4 | 1/4 | 1-1/2 | 3-3/8 | SL-7DC |



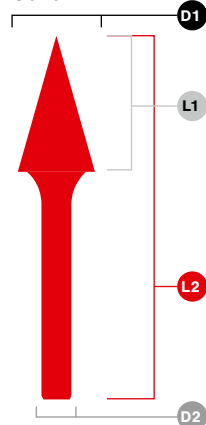
Non Ferro

| D1 | D2 | L1 | L2 | Code |
|-----|-----|-------|----|--------|
| 3/8 | 1/4 | 1 | 3 | SL-3NF |
| 1/2 | 1/4 | 1-1/8 | 3 | SL-4NF |

* Call for inventory availability

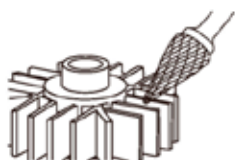
Type M

Cone



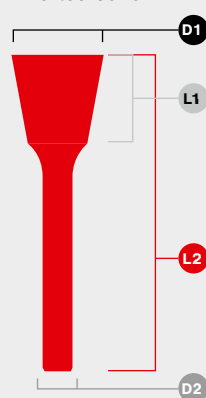
Double cut

| D1 | D2 | L1 | L2 | Code |
|-----|-----|-----|-------|---------|
| 1/4 | 1/4 | 3/4 | 2-1/2 | SM-1DC* |
| 3/8 | 1/4 | 5/8 | 2-1/2 | SM-3DC |
| 3/8 | 1/4 | 5/8 | 2-1/2 | SM-4DC |
| 1/2 | 1/4 | 7/8 | 2-3/4 | SM-5DC |
| 5/8 | 1/4 | 1 | 2-8/9 | SM-6DC |



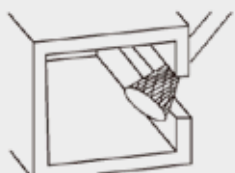
Type N

Inverted cone



Double cut

| D1 | D2 | L1 | L2 | Code |
|-----|-----|------|--------|---------|
| 1/4 | 1/4 | 5/16 | 2-1/16 | SN-1DC* |
| 3/8 | 1/4 | 3/8 | 2-1/9 | SN-3DC* |
| 1/2 | 1/4 | 1/2 | 2-1/4 | SN-4DC* |
| 5/8 | 1/4 | 3/4 | 2-1/2 | SN-5DC* |



* Call for inventory availability

Applications

Double cut carbide burr



Double cut burrs allow rapid stock removal. The finer tothing surface provides high stock removal with fine and short chips for high control and great surface finish.

Non Ferro carbide burr



They are especially designed to have a high stock removal on non-ferrous materials.



Samurai precision

Advanced heat treatment technology is applied on the Euroboor rotary burrs, improving the strength of the steel, creating sharper edges on the burr and give wear resistance.

More stock removal, less time

Thanks to the design and the characteristics of tungsten carbide, Euroboor rotary burrs provide high stock removal. This saves a lot of time and energy.

Carbide Rotary Burrs

Long Lasting

Due to the innovative surface treatment and the choice of materials, the Euroboor rotary burrs are long lasting and therefore perfect for usage over a longer period of time.

Long lasting

The improved welding technology on the shank is making the burrs very strong and capable of handling high forces and high temperatures without breaking.

Conical shaped shank

The advanced conical shape of the shank divides the pressure over a larger area, making the burr even less likely to break under high forces.

High durability – Less waste

All of our research, innovations and applied technologies brings you high quality rotary burrs that are suited for the toughest of jobs, without breaking or losing performance. This means no more waste of burrs and money. That makes Euroboor burrs the best choice for you!



DIE GRINDING MACHINES

The Euroboor grinding machines are developed with a focus on minimizing vibrations and being easy and safe in operation. The purpose of all Euroboor grinding machines is realizing smooth, high quality finishes while taking the minimum of your time and energy.

Euroboor has both electric and air pressured grinding machines which offer you great results under all circumstances.



ADG.2A

Air pressured lightweight
grinding machine (90° angle)



ADG.2S

Air pressured lightweight
grinding machine (straight)



ADG.2E

Air pressured lightweight
grinding machine (extended shaft)



EBG.600/18V

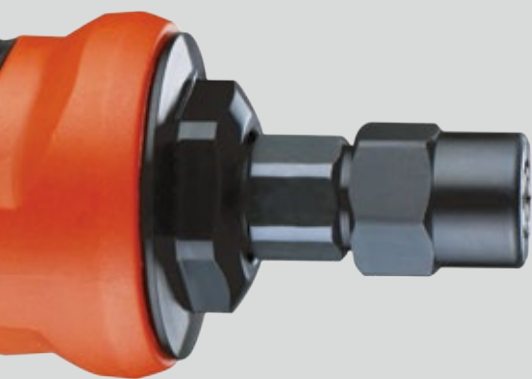
Battery operated grinding machine



VibraTec Technology

Minimize Vibrations!

- Better & easier operation!
- Smooth & high quality finish!
- Reduces strain and fatigue



ADG.2S

AIR DIE GRINDER STRAIGHT



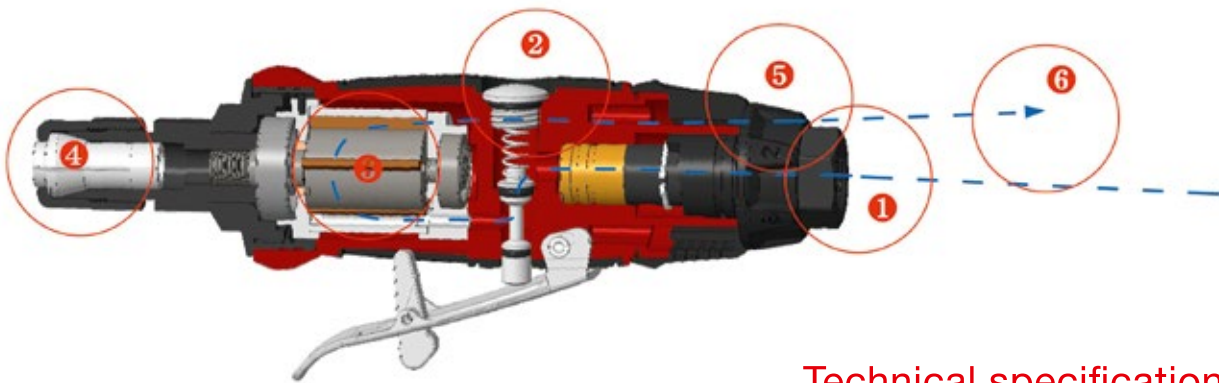


Air Die Grinder Straight

The Euroboor ADG.2S pneumatic grinder is your number one choice for grinding, polishing, deburring and smoothening sharp edges. The ADG.2S is compact, lightweight and fast! The Euroboor air die grinders offer maximum safety and comfort because of its soft grip, with rubber pads and a non-slip trigger with safety lever.

This ergonomic grip also contributes to minimizing Vibrations for greater finishes!

A four-speed air regulator provides an extra ease of operation and contributes to perfect finishes on all sorts of materials, while a 360° rotatable air exhaust provides an extra edge of comfort to the machine.



- 1 - Built-in air filter protect motor from dirt
- 2 - Soft grip with non-slip trigger and rubber pads for maximum grip
- 3 - Heavy duty motor, air powered
- 4 - Collet, made of hardened steel
- 5 - 4-speed air regulator
- 6 - 360° adjustable air exhaust

Technical specifications

| | |
|-------------------------|---------|
| Standard collet | 1/4" |
| Max. RPM (no load) | 20,000 |
| Speed 1 RPM | 9,500 |
| Speed 2 RPM | 13,000 |
| Speed 3 RPM | 18,000 |
| Speed 4 RPM | 20,000 |
| Average air consumption | 5 SCFM |
| Working air pressure | 90 PSI |
| Air hose size | 3/8" |
| Air inlet size | 1/4" |
| Weight | 1.5 lbs |
| Length | 7 5/8" |
| Height | 2 3/4" |

Machine includes:

- 1x Machine ADG.2S
- 1x Collet 6 mm (1/4")
- 3x Air nipple (1/4")
- 2x wrench



Part numbers:

Machine: ADG.2S

Also available in case: ADG.2S-CASE

Also available as set: ADG.2S-SET

Air Die Grinder Angle

The Euroboor ADG.2A pneumatic grinder is the perfect choice for small and difficult to reach spaces. Suitable for grinding, polishing, deburring and smoothing sharp edges.

The Euroboor Air die grinders offer maximum safety and comfort because of its soft grip, with rubber pads and a non-slip trigger

with safety lever. This ergonomic grip also contributes to minimizing vibrations for greater finishes! The 90° angle makes this machine perfectly suitable for working from above, below or in tight spaces.

With the powerful air pressured engine, this machine will do the job!





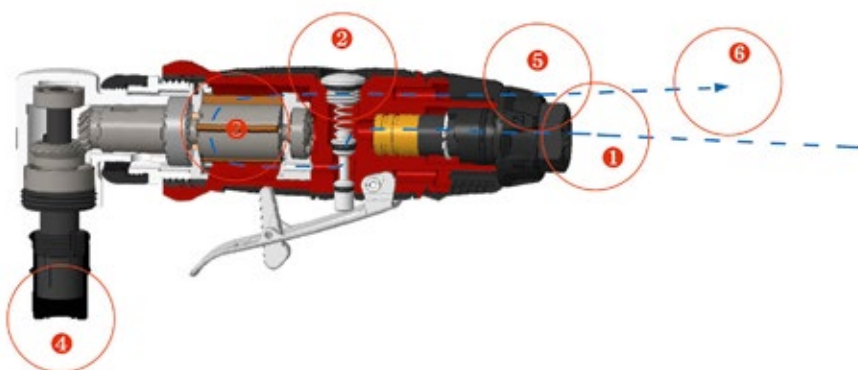
ADG.2A

AIR DIE GRINDER

ANGLE

Technical specifications

| | |
|-------------------------|---------|
| Standard collet | 1/4" |
| Max. RPM (no load) | 20,000 |
| Speed 1 RPM | 10,000 |
| Speed 2 RPM | 17,000 |
| Speed 3 RPM | 18,000 |
| Speed 4 RPM | 20,000 |
| Average air consumption | 4 SCFM |
| Working air pressure | 90 PSI |
| Air hose size | 3/8" |
| Air inlet size | 1/4" |
| Weight | 1.2 lbs |
| Length | 7 5/8" |
| Height | 2 3/4" |



- 1 - Built-in air filter protect motor from dirt
- 2 - Soft grip with non-slip trigger and rubber pads for maximum grip
- 3 - Heavy duty motor, air powered
- 4 - Collet, made of hardened steel
- 5 - 4-speed air regulator
- 6 - 360° adjustable air exhaust

Machine includes:

- 1x Machine ADG.2A
- 1x Collet 6 mm (1/4")
- 3x Air nipple (1/4")
- 2x wrench



Part numbers:

- Machine: ADG.2A
- Also available in case: ADG.2A-CASE
- Also available as set: ADG.2A-SET



ADG.2E

AIR DIE GRINDER EXTENDED



- 1 - Built-in air filter protect motor from dirt
- 2 - Soft grip with non-slip trigger and rubber pads for maximum grip
- 3 - Heavy duty motor, air powered
- 4 - Collet, made of hardened steel
- 5 - 4-speed air regulator perfect finishes
- 6 - 360° air exhaust for extra comfort

Technical specifications

| | |
|-------------------------|----------|
| Standard collet | 1/4" |
| Max. RPM (no load) | 20,000 |
| Speed 1 RPM | 9,000 |
| Speed 2 RPM | 14,000 |
| Speed 3 RPM | 18,000 |
| Speed 4 RPM | 22,000 |
| Average air consumption | 5 SCFM |
| Working air pressure | 90 PSI |
| Air hose size | 3/8" |
| Air inlet size | 1/4" |
| Weight | 2.89 lbs |
| Length | 13 5/16" |
| Height | 2 3/4" |



Machine includes:

- 1x Machine ADG.2E
- 1x Collet 6 mm (1/4")
- 3x Air nipple (1/4")
- 2x wrench

Part numbers:

- Machine: ADG.2E
- Also available in case: ADG.2E-Case
- Also available as set: ADG.2E-SET



Air Die Grinder Extended

The Euroboor ADG.2E pneumatic grinder with 150mm shaft is the perfect machine for working just out of reach! Suitable for grinding, polishing, deburring and smoothening sharp edges.

The Euroboor Air die grinders offer maximum safety and comfort because of its soft grip, with rubber pads and a non-slip trigger

with safety lever. The Vibratex technology contributes to minimizing vibrations for greater finishes! A four-speed air regulator provides an extra ease of operation and contributes to perfect finishes on all sorts of materials, while a 360° rotatable air exhaust provides an extra edge of comfort to the machine.

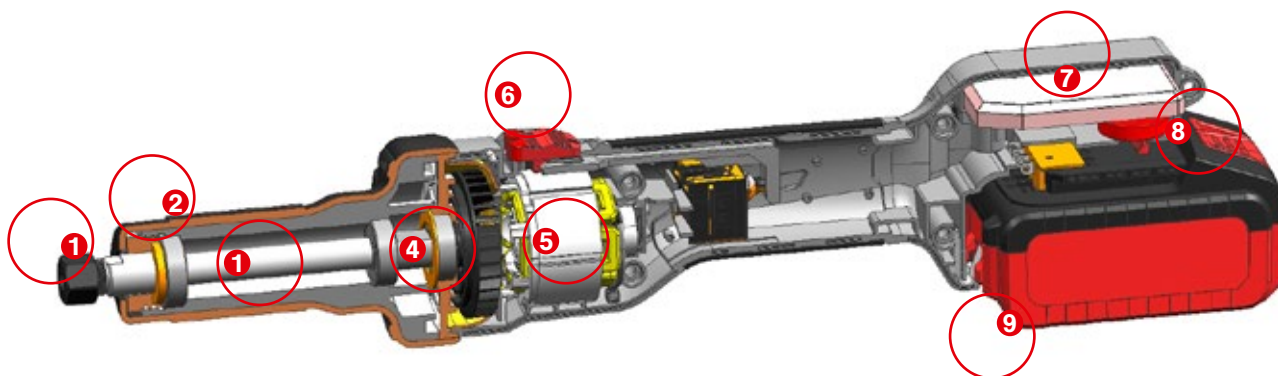


Battery Operated Die Grinder

The EBG.600/18V die grinder, powered by an 18V battery for cordless convenience and mobility. Featuring a powerful 800W brushless motor and a stepless adjustable speed range.

Compatible with 1/4" shanks, covering Euroboor's full range of rotary burrs. The grinder offers smooth

performance with a rotation speed stabilization system, ensuring consistency even under load. Its ergonomic design provides an excellent grip and balance. The Makita 18V LXT battery platform allows you to use the same battery across multiple tools.



- 1 - Nut/M15
- 2 - Dustproof cover
- 3 - Spindle
- 4 - Adaptor
- 5 - Motor
- 6 - Switch
- 7 - Control board
- 8 - Stepless adjustable speed regulator
- 9 - Battery

Technical specifications

| | |
|------------------|----------------------|
| Standard collet | 1/4" |
| RPM | 7,000 - 26,000 |
| Motor power | 800 W |
| Battery capacity | 18 V 5Ah or 18 V 9Ah |
| Weight | 3.3 lbs |
| Length | 17 11/16" |
| Height | 3 1/4" |



Machine includes:

- 1x Machine EBG.600/18V
- 1x Collet 1/4"
- 2x Wrench

Part numbers:

- Machine: EBG.600/18V
- Also available as set:
- EBG.600/18V Set (5Ah),
- EBG.600/18V Set (9Ah)



EBG.600/18V

BATTERY OPERATED ELECTRIC DIE GRINDER



CARBIDE BURRS AND MACHINE GUIDELINES

Before purchasing and/or using rotary burrs Euroboor advises to walk through the steps below. Purchasing the right rotary burr for each situation and application results in:

- Lower Energy Costs
- Better results
- Long lasting quality
- Safer working environment

| | Cast iron | Cast steel | Unhardened steels | Hardened steels | Low alloy steels | High alloy steels | Heat treated steels | Stainless steel | Titanium alloy | Brass | Bronze / Copper | Plastics | Aluminium | Zinc alloy |
|------------|-----------|------------|-------------------|-----------------|------------------|-------------------|---------------------|-----------------|----------------|-------|-----------------|----------|-----------|------------|
| Double cut | • | • | • | | • | | | • | | • | • | | | |
| Non Ferro | | | | | | | | | | | | • | • | • |

1 Please consider the materials you will use the burr on and select the correct cut.

2 Choose the right cut and consider the result you want. Choose the model that can do the job (model A – N)

3 Choose the shank diameter (D2) that fits your grinding machine's collet.

4 Choose your burr diameter (D1) for the result that you want. For the best result see the recommended RPM's of each burr, specified per material in the table on the next page.

5 After choosing the correct burr diameter (D1), refer to the table on the following page for the machine speed that is recommended for the best possible result, specified per material. Please keep in mind all safety advice and warnings.



Operating:

- Avoid excessive pressure to maintain optimal grinding speed and prevent damage.
- Maximize contact with the workpiece for a smoother finish.
- Prevent contact between the shank and the workpiece to avoid tool wear.
- Replace dull burrs before they become too worn to ensure efficiency.
- Periodically dip the burr in wax to improve performance and extend its lifespan.
- Regularly check air pressure, fittings, and seals to maintain optimal RPM and power.
- Use the correct speed for the material to achieve the best finish and removal rate, refer to the speed chart for guidance.

Recommended rotational speed

When choosing the right rotational speed (RPM), please consider the following:

1. The material 2. The burr diameter

Speed recommendation chart

Below table lists recommended rotational speeds (RPM x1,000) based on burr diameter and material type.

| Material | 1/8" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 13/16" | 1" |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|--------|
| Stainless Steel | 30 - 50 | 15 - 25 | 12 - 20 | 10 - 15 | 9 - 12 | 7 - 10 | 5 - 7 | 4 - 5 |
| Steel | 60 - 90 | 30 - 45 | 25 - 35 | 20 - 30 | 15 - 25 | 10 - 18 | 10 - 14 | 8 - 10 |
| Hardened / Tool Steel | 30 - 40 | 15 - 20 | 10 - 15 | 10 - 15 | 8 - 10 | 5 - 8 | 4 - 7 | 3 - 5 |
| Cast Iron | 60 - 90 | 30 - 45 | 25 - 35 | 20 - 30 | 15 - 20 | 10 - 18 | 10 - 14 | 8 - 10 |
| Aluminum / Plastics | 30 - 90 | 15 - 60 | 12 - 50 | 10 - 50 | 8 - 25 | 6 - 30 | 5 - 20 | 4 - 15 |
| Copper | 30 - 90 | 15 - 60 | 12 - 50 | 10 - 50 | 8 - 35 | 6 - 30 | 5 - 20 | 4 - 15 |
| Brass | 40 - 50 | 20 - 30 | 15 - 20 | 13 - 17 | 10 - 15 | 8 - 12 | 6 - 8 | 5 - 6 |
| Zinc | 60 - 90 | 30 - 45 | 25 - 35 | 20 - 30 | 15 - 25 | 10 - 18 | 10 - 14 | 8 - 10 |
| Nick / Titanium | 30 - 40 | 15 - 20 | 10 - 15 | 10 - 15 | 8 - 10 | 5 - 8 | 4 - 7 | 3 - 5 |

Troubleshooting:

| Occurance | Solution |
|---|--|
| Clogged burr | Use the correct burr for the materials |
| Heavy discoloration between shank and toothed section | Adjust RPM and/or reduce the pressure and/or adjust angle |
| The head breaks off | Adjust RPM and/or reduce the pressure and/or adjust angle |
| Sparks | Reduce RPM or ensure no more than 1/3rd of burr's surface touches working area |
| Heavy splintering or chipping of burr | Reduce stress on working area |
| Shank breach | Use rigid power tools or replace clamping system of power tool |
| Strong vibrations or sudden heavy sparks | Replace the burr as the lifetime has passed |

Safety:

- Use only rigid clamping systems and/or power tools to prevent premature tear.
- Do not engage more than 1/3 of the burr's surface with the material to avoid rough milling, which can damage the burr's teeth.
- Start cutting against the rotation, then finish with the rotation for a smooth surface.
- Use powerful machines with a smooth grip to reduce vibration and improve control.



Wear a mask



Wear ear protection



Wear safety glasses



Wear gloves

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Euroboor makes every effort to meet quality and integrity requirements. That is why we as an organization are proud of the recognition of some leading organizations worldwide.

*Disclaimer: Euroboor is not liable for any damage caused to the machine due to electrical problems in the workplace. Above mentioned protection is not guaranteed in all cases of voltage spikes and/or frequency fluctuations. Euroboor accepts no liability when it comes to the power protection not functioning or functioning poorly