

Cepicat Metal Tools

Deburring and edge
rounding, sintering,
polishing and
fineblanking

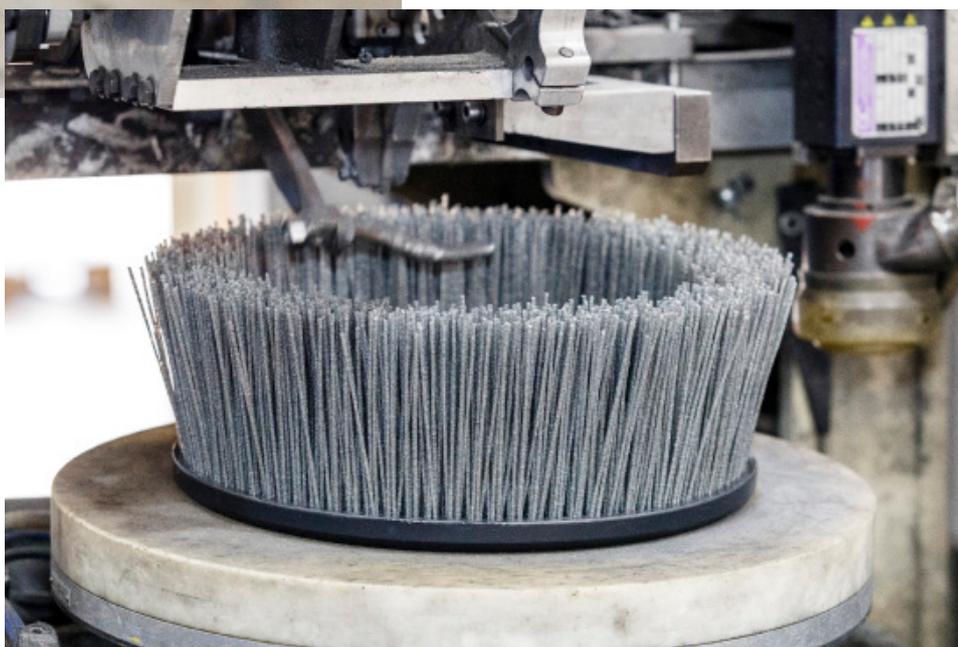
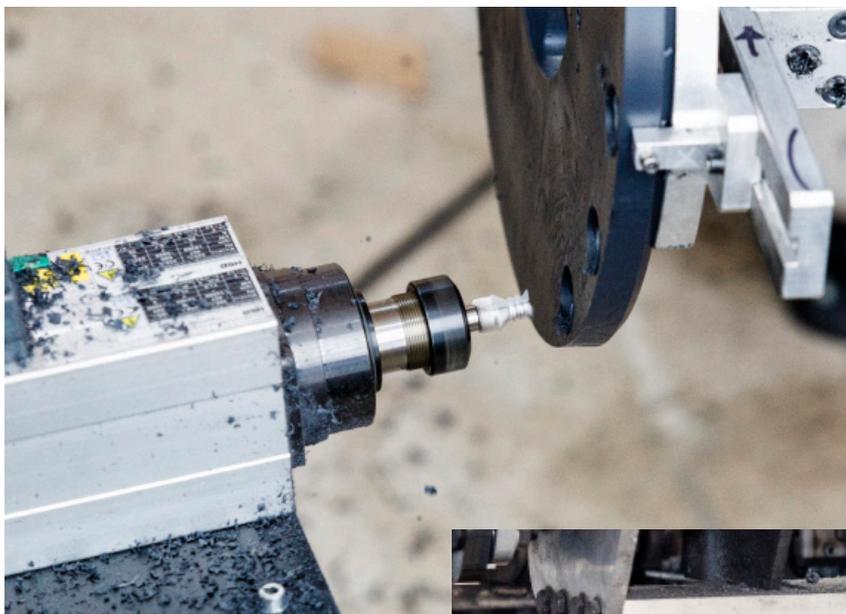


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01 Cepicat, who we are?

CEPICAT was founded in 2005 with a view to becoming a benchmark in the production of modern brushes. Since the outset, we've placed particular focus on the manufacture of high-quality brushes with cutting-edge systems, machinery and production processes.

02

Why Cepicat?

There are many companies that manufacture flexible abrasives, but at **CE-PICAT** you will find a highly-qualified team that uses the latest industrial technologies to design and produce the best product for each customer's needs with the desired time frame, quality and price.

CEPICAT is an Industry 4.0 company, robotizing all our manufacturing processes and expanding our big data processes. We have achieved a high degree of efficiency that allows us to compete in the global marketplace.



03 Applications

03.1 Deburring and edge rounding

CEPIMET is our product line of brushes for deburring and edge rounding of stamped, finecut, sintered and casted metal parts. These brushes are used in brushing machines such as Loeser, Weber, Lapmaster Wolters, Loewer, Costa and many more. Another area of application is robotic deburring.

Depending on the area of application, the material and the desired finishing, we offer these brushes in a big variety of grits with silicon carbide, oxide alumina, diamond, abramax and ceramic grains.

03.2 Fineblanking

The burr is eliminated via perpendicular contact between the component and the abrasive filament brush. For your unique deburring applications, **Cepicat** has the capacity to engineer, manufacture, and build an abrasive filament brush solution. Because they are made to operate in perfect synchrony, an engineered deburring system and an abrasive filament brush combined offer the best deburring option.

The deburring results are produced by the abrasive filament brush, and the deburring method enables a quicker and more effective deburring procedure.

03.3 Sintering (Powdered Metal)

Metal powders are put under pressure, the particles chemically link to one another and, when heated to a high temperature, solidify into a consistent shape. Our **CEPIMET** brushes will remove the burrs generated during the process in order to get the desired result.



03.4 Surface Polishing/ Finishing

Metal polishing has benefits that go beyond its aesthetic value. It considerably extends a metal's useful life by removing oxidation from it and preventing further corrosion beneath the surface. With the **CEPIMET** brushes, you will reach the desired finish.

04

Grit Material



Silicon Carbide: The hardness of black silicon carbide is between oxide alumina and diamond. It has high mechanical strength, stable chemical properties, high thermal conductivity, low thermal expansion coefficient, good wear resistance, and certain electrical and thermal conductivity.

The base material of the bristles is a nylon heavily impregnated with abrasive SiC particles.

During manufacturing, the individual filaments are specially treated to resist thermal aging.

Made from high-end engineering polymers PA 6.10 and PA 6.12 these items are used in a multitude of both wet and dry applications, including steel, hard metal and for textile structuring.

Diamond: Minerals are assigned a number between 1 and 10 on the Mohs Hardness Scale to describe how resistant to scratching they are. Diamonds are given the highest number, a 10. There is nothing that can scratch a diamond except another diamond.

With diamond bristles, the processing spectrum covers applications ranging from edge rounding off to super finish surface polishing. The heat resistance of the

nylon base material heat resistance means that diamond brushes can be used in either wet or dry processing environments.

Oxide Alumina: Aluminum Oxide is a tough, hard material often referred to by a number of other names including, Alumina, and Corundum. With a Mohs hardness of 9, Aluminum Oxide is a high strength, wear-resistant material possessing a strong ability to resist vigorous chemical attacks (such as acid and alkali) at extreme temperatures.

Aluminum oxide abrasive allows these brushes to work more gently than comparable SiC tools. The base material of the filaments is also a nylon well suited to wet working conditions. This type of tool is primarily used on workpieces made of somewhat softer, often non-ferrous materials

Ceramic: Abrasive ceramics are used to grind or cut away other softer material. Primarily, when considering the design of an abrasive material it is hardness and wear resistance that are of the most importance. Toughness is also considered as a necessary requirement so that the abrasive material does not shatter during grinding.

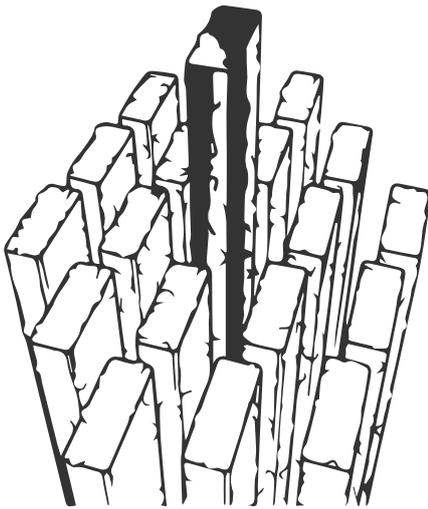
The base material of these bristles is again nylon. However, the structure of the grains in the ceramic brush is generally more aggressive than in the SiC version. These tools achieve superior stock removal rates and hence larger radius on edges result. The material is particularly suited to wet working conditions

Abramax: CEPICAT reinvented abrasives with ABRAMAX filaments. The secret lies in the revolutionary precision-shaped grain technology. As the shaped grain wears, it continuously fractures to form sharp points and edges that slice through metal or hardwood, wear evenly and provide super-long life and consistency at any grinding pressure.

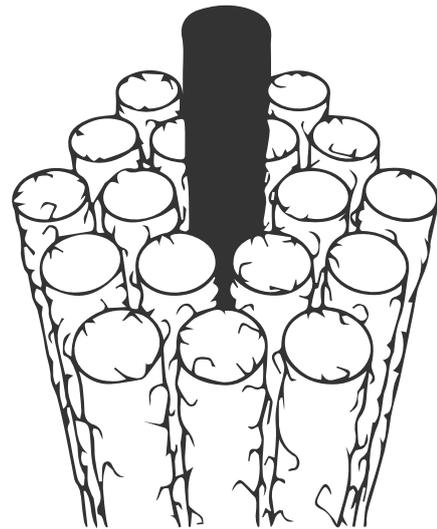
05

Abrasive filaments

Our filaments are characterized for its long brush life, their fast and excellent performance, and its rigidity in wet conditions. We offer them in 2 models:



Rectangular



Round

06

General Characteristics

- We produce **all grits** with different filament diameters, % grit load, plastic base and shapes.
- Diameter : from 0.2 mm to 3 mm
- **Plastic base**: Nylon 6.12, Nylon 6.10 and Nylon 6
- **Shape**: Round or rectangular (more aggressive) and crimp or level
- % grit load: from 15% to 40%

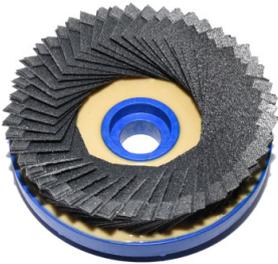
07 Products

07.1 Cepimet Discs:

Cepicat offers a great catalog of disks who can be used for the following applications:

- Edge radiusing
- Deburring and removing sharp edges and burrs
- Cleaning, finishing and polishing surfaces
- Surface prepping
- Blending tools marks
- Achieving textures and special finishes

Cepimet FlapDisk



The **Cepimet FlapDisk** is developed to request the demands of **primary deburring**. It offers a long life span and doesn't generate undesirable secondary burr.

It is made of Silicium, even though we can work special requests.

Diameter Ø (d)		Height (h)		Flap Grit					
mm	"	mm	"	46	80	120	180	240	320
115	4.1/2"	20	0.8"	FL1152046	FL1152080	FL11520120	FL11520180	FL11520240	FL11520320
		25	1"	FL1152546	FL1152580	FL11525120	FL11525180	FL11525240	FL11525320
		30	1.2"	FL1153046	FL1153080	FL11530120	FL11530180	FL11530240	FL11530320
125	5"	20	0.8"	FL1252046	FL1252080	FL12520120	FL12520180	FL12520240	FL12520320
		25	1"	FL1252546	FL1252580	FL12525120	FL12525180	FL12525240	FL12525320
		30	1.2"	FL1253046	FL1253080	FL12530120	FL12530180	FL12530240	FL12530320
150	6"	20	0.8"	FL1502046	FL1502080	FL15020120	FL15020180	FL15020240	FL15020320
		25	1"	FL1502546	FL1502580	FL15025120	FL15025180	FL15025240	FL15025320
		30	1.2"	FL1503046	FL1503080	FL15030120	FL15030180	FL15030240	FL15030320
165	6.1/2"	20	0.8"	FL1652046	FL1652080	FL16520120	FL16520180	FL16520240	FL16520320
		25	1"	FL1652546	FL1652580	FL16525120	FL16525180	FL16525240	FL16525320
		30	1.2"	FL1653046	FL1653080	FL16530120	FL16530180	FL16530240	FL16530320
190	7.1/2"	20	0.8"	FL1902046	FL1902080	FL19020120	FL19020180	FL19020240	FL19020320
		25	1"	FL1902546	FL1902580	FL19025120	FL19025180	FL19025240	FL19025320
		30	1.2"	FL1903046	FL1903080	FL19030120	FL19030180	FL19030240	FL19030320
200	8"	20	0.8"	FL2002046	FL2002080	FL20020120	FL20020180	FL20020240	FL20020320
		25	1"	FL2002546	FL2002580	FL20025120	FL20025180	FL20025240	FL20025320
		30	1.2"	FL2003046	FL2003080	FL20030120	FL20030180	FL20030240	FL20030320
230	9"	20	0.8"	FL2302046	FL2302080	FL23020120	FL23020180	FL23020240	FL23020320
		25	1"	FL2302546	FL2302580	FL23025120	FL23025180	FL23025240	FL23025320
		30	1.2"	FL2303046	FL2303080	FL23030120	FL23030180	FL23030240	FL23030320

Cepimet Full-density



The **Cepimet Full-density** has been developed to request the demands of primary deburring. They are used for deburring and edge rounding of milling, and drilling tools and for polishing and deburring hard metal parts amongst other areas.

Cepimet Full-density brushes can be produced in silicon carbide, diamond, aluminum oxide and ceramic.

Diameter Ø (d)		Height (h)		Grit					
mm	"	mm	"	46	80	120	180	240	320
115	4.1/2"	20	0.8"	FD1152046	FD1152080	FD11520120	FD11520180	FD11520240	FD11520320
		25	1"	FD1152546	FD1152580	FD11525120	FD11525180	FD11525240	FD11525320
		30	1.2"	FD1153046	FD1153080	FD11530120	FD11530180	FD11530240	FD11530320
125	5"	20	0.8"	FD1252046	FD1252080	FD12520120	FD12520180	FD12520240	FD12520320
		25	1"	FD1252546	FD1252580	FD12525120	FD12525180	FD12525240	FD12525320
		30	1.2"	FD1253046	FD1253080	FD12530120	FD12530180	FD12530240	FD12530320
150	6"	20	0.8"	FD1502046	FD1502080	FD15020120	FD15020180	FD15020240	FD15020320
		25	1"	FD1502546	FD1502580	FD15025120	FD15025180	FD15025240	FD15025320
		30	1.2"	FD1503046	FD1503080	FD15030120	FD15030180	FD15030240	FD15030320
165	6.1/2"	20	0.8"	FD1652046	FD1652080	FD16520120	FD16520180	FD16520240	FD16520320
		25	1"	FD1652546	FD1652580	FD16525120	FD16525180	FD16525240	FD16525320
		30	1.2"	FD1653046	FD1653080	FD16530120	FD16530180	FD16530240	FD16530320
190	7.1/2"	20	0.8"	FD1902046	FD1902080	FD19020120	FD19020180	FD19020240	FD19020320
		25	1"	FD1902546	FD1902580	FD19025120	FD19025180	FD19025240	FD19025320
		30	1.2"	FD1903046	FD1903080	FD19030120	FD19030180	FD19030240	FD19030320
200	8"	20	0.8"	FD2002046	FD2002080	FD20020120	FD20020180	FD20020240	FD20020320
		25	1"	FD2002546	FD2002580	FD20025120	FD20025180	FD20025240	FD20025320
		30	1.2"	FD2003046	FD2003080	FD20030120	FD20030180	FD20030240	FD20030320
230	9"	20	0.8"	FD2302046	FD2302080	FD23020120	FD23020180	FD23020240	FD23020320
		25	1"	FD2302546	FD2302580	FD23025120	FD23025180	FD23025240	FD23025320
		30	1.2"	FD2303046	FD2303080	FD23030120	FD23030180	FD23030240	FD23030320

Cepimet TURBO



The **Cepimet TURBO** are used, among other things, to polish and deburr hard metal parts as well as to deburr and round the edges of milling and drilling tools. Utilized for both first- and second-deburring.

Its grit can be produced in silicon carbide, diamond, aluminum oxide and ceramic.

Diameter Ø (d)		Height (h)		Grit					
mm	"	mm	"	46	80	120	180	240	320
115	4.1/2"	20	0.8"	TU1152046	TU1152080	TU11520120	TU11520180	TU11520240	TU11520320
		25	1"	TU1152546	TU1152580	TU11525120	TU11525180	TU11525240	TU11525320
		30	1.2"	TU1153046	TU1153080	TU11530120	TU11530180	TU11530240	TU11530320
125	5"	20	0.8"	TU1252046	TU1252080	TU12520120	TU12520180	TU12520240	TU12520320
		25	1"	TU1252546	TU1252580	TU12525120	TU12525180	TU12525240	TU12525320
		30	1.2"	TU1253046	TU1253080	TU12530120	TU12530180	TU12530240	TU12530320
150	6"	20	0.8"	TU1502046	TU1502080	TU15020120	TU15020180	TU15020240	TU15020320
		25	1"	TU1502546	TU1502580	TU15025120	TU15025180	TU15025240	TU15025320
		30	1.2"	TU1503046	TU1503080	TU15030120	TU15030180	TU15030240	TU15030320
165	6.1/2"	20	0.8"	TU1652046	TU1652080	TU16520120	TU16520180	TU16520240	TU16520320
		25	1"	TU1652546	TU1652580	TU16525120	TU16525180	TU16525240	TU16525320
		30	1.2"	TU1653046	TU1653080	TU16530120	TU16530180	TU16530240	TU16530320
190	7.1/2"	20	0.8"	TU1902046	TU1902080	TU19020120	TU19020180	TU19020240	TU19020320
		25	1"	TU1902546	TU1902580	TU19025120	TU19025180	TU19025240	TU19025320
		30	1.2"	TU1903046	TU1903080	TU19030120	TU19030180	TU19030240	TU19030320
200	8"	20	0.8"	TU2002046	TU2002080	TU20020120	TU20020180	TU20020240	TU20020320
		25	1"	TU2002546	TU2002580	TU20025120	TU20025180	TU20025240	TU20025320
		30	1.2"	TU2003046	TU2003080	TU20030120	TU20030180	TU20030240	TU20030320
230	9"	20	0.8"	TU2302046	TU2302080	TU23020120	TU23020180	TU23020240	TU23020320
		25	1"	TU2302546	TU2302580	TU23025120	TU23025180	TU23025240	TU23025320
		30	1.2"	TU2303046	TU2303080	TU23030120	TU23030180	TU23030240	TU23030320

Cepimet Tuft



The **Cepimet Tuft** are produced in silicon carbide, diamond, aluminum oxide and ceramic. This deburring brushes are used in automatic deburring machines, such as Loeser, Peter Wolters, Promax, etc

The insertion of the filaments occurs at a right angle or with a right or left orientation so that they are more aggressive.

They have a high flexibility, so it is a great tool to work with pieces of different heights.

Diameter Ø (d)		Height (h)		Grit					
mm	"	mm	"	46	80	120	180	240	320
115	4.1/2"	20	0.8"	CL1152046	CL1152080	CL11520120	CL11520180	CL11520240	CL11520320
		25	1"	CL1152546	CL1152580	CL11525120	CL11525180	CL11525240	CL11525320
		30	1.2"	CL1153046	CL1153080	CL11530120	CL11530180	CL11530240	CL11530320
125	5"	20	0.8"	CL1252046	CL1252080	CL12520120	CL12520180	CL12520240	CL12520320
		25	1"	CL1252546	CL1252580	CL12525120	CL12525180	CL12525240	CL12525320
		30	1.2"	CL1253046	CL1253080	CL12530120	CL12530180	CL12530240	CL12530320
150	6"	20	0.8"	CL1502046	CL1502080	CL15020120	CL15020180	CL15020240	CL15020320
		25	1"	CL1502546	CL1502580	CL15025120	CL15025180	CL15025240	CL15025320
		30	1.2"	CL1503046	CL1503080	CL15030120	CL15030180	CL15030240	CL15030320
165	6.1/2"	20	0.8"	CL1652046	CL1652080	CL16520120	CL16520180	CL16520240	CL16520320
		25	1"	CL1652546	CL1652580	CL16525120	CL16525180	CL16525240	CL16525320
		30	1.2"	CL1653046	CL1653080	CL16530120	CL16530180	CL16530240	CL16530320
190	7.1/2"	20	0.8"	CL1902046	CL1902080	CL19020120	CL19020180	CL19020240	CL19020320
		25	1"	CL1902546	CL1902580	CL19025120	CL19025180	CL19025240	CL19025320
		30	1.2"	CL1903046	CL1903080	CL19030120	CL19030180	CL19030240	CL19030320
200	8"	20	0.8"	CL2002046	CL2002080	CL20020120	CL20020180	CL20020240	CL20020320
		25	1"	CL2002546	CL2002580	CL20025120	CL20025180	CL20025240	CL20025320
		30	1.2"	CL2003046	CL2003080	CL20030120	CL20030180	CL20030240	CL20030320
230	9"	20	0.8"	CL2302046	CL2302080	CL23020120	CL23020180	CL23020240	CL23020320
		25	1"	CL2302546	CL2302580	CL23025120	CL23025180	CL23025240	CL23025320
		30	1.2"	CL2303046	CL2303080	CL23030120	CL23030180	CL23030240	CL23030320

Cepimet Bundle



The **Cepimet Bundle** are deburring brushes are ideal to request the demands of secondary deburring.

Fit perfectly with machines such as Loeser, Peter Wolters, Promax, etc.

The insertion of the hairs occurs at a right angle or with a right or left orientation so that they are more aggressive.

The bundles are denser, so the brush has more aggressiveness and life span than Tufted brushes.

The Cepimet Bundle are produced in silicon carbide, diamond, aluminum oxide, ceramic and zirconium.

Diameter Ø (d)		Height (h)		Grit					
mm	"	mm	"	46	80	120	180	240	320
115	4.1/2"	20	0.8"	BD1152046	BD1152080	BD11520120	BD11520180	BD11520240	BD11520320
		25	1"	BD1152546	BD1152580	BD11525120	BD11525180	BD11525240	BD11525320
		30	1.2"	BD1153046	BD1153080	BD11530120	BD11530180	BD11530240	BD11530320
125	5"	20	0.8"	BD1252046	BD1252080	BD12520120	BD12520180	BD12520240	BD12520320
		25	1"	BD1252546	BD1252580	BD12525120	BD12525180	BD12525240	BD12525320
		30	1.2"	BD1253046	BD1253080	BD12530120	BD12530180	BD12530240	BD12530320
150	6"	20	0.8"	BD1502046	BD1502080	BD15020120	BD15020180	BD15020240	BD15020320
		25	1"	BD1502546	BD1502580	BD15025120	BD15025180	BD15025240	BD15025320
		30	1.2"	BD1503046	BD1503080	BD15030120	BD15030180	BD15030240	BD15030320
165	6.1/2"	20	0.8"	BD1652046	BD1652080	BD16520120	BD16520180	BD16520240	BD16520320
		25	1"	BD1652546	BD1652580	BD16525120	BD16525180	BD16525240	BD16525320
		30	1.2"	BD1653046	BD1653080	BD16530120	BD16530180	BD16530240	BD16530320
190	7.1/2"	20	0.8"	BD1902046	BD1902080	BD19020120	BD19020180	BD19020240	BD19020320
		25	1"	BD1902546	BD1902580	BD19025120	BD19025180	BD19025240	BD19025320
		30	1.2"	BD1903046	BD1903080	BD19030120	BD19030180	BD19030240	BD19030320
200	8"	20	0.8"	BD2002046	BD2002080	BD20020120	BD20020180	BD20020240	BD20020320
		25	1"	BD2002546	BD2002580	BD20025120	BD20025180	BD20025240	BD20025320
		30	1.2"	BD2003046	BD2003080	BD20030120	BD20030180	BD20030240	BD20030320
230	9"	20	0.8"	BD2302046	BD2302080	BD23020120	BD23020180	BD23020240	BD23020320
		25	1"	BD2302546	BD2302580	BD23025120	BD23025180	BD23025240	BD23025320
		30	1.2"	BD2303046	BD2303080	BD23030120	BD23030180	BD23030240	BD23030320

Cepimet MULTIFORO



The **Cepimet Multiforo** deburring brushes are developed to request the demands of secondary deburring, used in automatic deburring machines, such as Loeser, Peter Wolters, Promax, etc.

Like Cepimet Bundle, the bundles are dense, so the brush has more aggressiveness and life span than Tufted brushes. The hairs are inserted at a right angle or with a right or left orientation. Flexibility and hardness are combined, so they are perfect for working with components of various heights.

Cepimet Multiforo are produced in silicon carbide, diamond, aluminum oxide, ceramic and zirconium.

Diameter Ø (d)		Height (h)		Grit					
mm	"	mm	"	46	80	120	180	240	320
115	4.1/2"	20	0.8"	MT1152046	MT1152080	MT11520120	MT11520180	MT11520240	MT11520320
		25	1"	MT1152546	MT1152580	MT11525120	MT11525180	MT11525240	MT11525320
		30	1.2"	MT1153046	MT1153080	MT11530120	MT11530180	MT11530240	MT11530320
125	5"	20	0.8"	MT1252046	MT1252080	MT12520120	MT12520180	MT12520240	MT12520320
		25	1"	MT1252546	MT1252580	MT12525120	MT12525180	MT12525240	MT12525320
		30	1.2"	MT1253046	MT1253080	MT12530120	MT12530180	MT12530240	MT12530320
150	6"	20	0.8"	MT1502046	MT1502080	MT15020120	MT15020180	MT15020240	MT15020320
		25	1"	MT1502546	MT1502580	MT15025120	MT15025180	MT15025240	MT15025320
		30	1.2"	MT1503046	MT1503080	MT15030120	MT15030180	MT15030240	MT15030320
165	6.1/2"	20	0.8"	MT1652046	MT1652080	MT16520120	MT16520180	MT16520240	MT16520320
		25	1"	MT1652546	MT1652580	MT16525120	MT16525180	MT16525240	MT16525320
		30	1.2"	MT1653046	MT1653080	MT16530120	MT16530180	MT16530240	MT16530320
190	7.1/2"	20	0.8"	MT1902046	MT1902080	MT19020120	MT19020180	MT19020240	MT19020320
		25	1"	MT1902546	MT1902580	MT19025120	MT19025180	MT19025240	MT19025320
		30	1.2"	MT1903046	MT1903080	MT19030120	MT19030180	MT19030240	MT19030320
200	8"	20	0.8"	MT2002046	MT2002080	MT20020120	MT20020180	MT20020240	MT20020320
		25	1"	MT2002546	MT2002580	MT20025120	MT20025180	MT20025240	MT20025320
		30	1.2"	MT2003046	MT2003080	MT20030120	MT20030180	MT20030240	MT20030320
230	9"	20	0.8"	MT2302046	MT2302080	MT23020120	MT23020180	MT23020240	MT23020320
		25	1"	MT2302546	MT2302580	MT23025120	MT23025180	MT23025240	MT23025320
		30	1.2"	MT2303046	MT2303080	MT23030120	MT23030180	MT23030240	MT23030320

07.2 Cepimet END brushes

Cepimet End Brushes work best for robotic deburring and for hand-held power tool deburring.

We offer many different sizes, and they can be made of diamond, silicium, ceramic, abramax and oxid aluminum.

Applications

- Removal of burrs, scale, paint and all kind of adhesions.
- To access zones difficult to access.
- Cleaning pipes, moulds, pistons, etc.



Outside Diameter		Trim Length (s)		Grade			
mm	"m	m"	"	80	120	180	320
25	1"	30	1.3/16"	FL253080	FL2530120	FL2530180	FL2530320
10	3/8"	25	1"	FL102580	FL1025120	FL1025180	FL1025320
12	1/2"	20	3/4"	FL122080	FL1220120	FL1220180	FL1220320
16	5/8"	83	"F	L16880	FL168120	FL168180	FL168320
		3,25	3/32"	FL16380	FL163120	FL163180	FL163320
19	3/4"	30	1.3/16"	FL193080	FL1930120	FL1930180	FL1930320

07.3 Cepimet Radial brushes

Cepimet radial Brushes work best for robotic deburring and for hand-held power tool deburring. These Metal Brushed can be made of diamond, silicium, ceramic, abramax and oxid aluminum.

Applications

- Removal of burrs, scale, paint and all kind of adhesions.
- To access zones difficult to access.
- Cleaning pipes, moulds, pistons, etc.



Outside Diameter		Face Width (a)T		rim Length (s)		Arbor Hole				Grit			R.P.M.
mm	"m	mm	"m	mm	"m					120	180	320	Max. 180
100	4"	85	1/16"	18	11/16"	13,1620,22,26,30mm				R1008120	R1008180	R1008320	12.000
100	4"	16	5/8"	18	11/16"	1/2"-5/8"-3/4"-7/8"-1.3/16"				R10016120	R10016180	R10016320	12.000
150	6"	13	1/2"	27	1.1/16"	Multithread R1				R15013120	R15013180	R15013320	6.500
150	6"	28	1.1/8"	27	1.1/16"					R15028120	R15028180	R15028320	6.500
175	7"	16	5/8"	40	1.5/8"	mm	"m	m	"	R17516120	R17516180	R17516320	6.500
175	2"	29	1.1/8"	40	1.5/8"	31	1/2"	01	.3/16"	R17529120	R17529180	R17529320	6.500
200	8"	16	5/8"	40	1.5/8"	16	5/8"	32	1.1/4"	R20016120	R20016180	R20016320	6.000
200	8"	29	1.1/8"	40	1.5/8"	20	3/4"	35	1.3/8"	R20029120	R20029180	R20029320	6.000
250	10"	16	5/8"	45	1.3/4"	22	7/8"	36	1.3/8"	R25016120	R25016180	R25016320	5.000
250	10"	29	1.1/8"	45	1.3/4"	25		40	1.5/8"	R25029120	R25029180	R25029320	5.000
300	12"	16	5/8"	50	2"	26	1"	50		R30016120	R30016180	R30016320	4.500
300	12"	29	1.1/8"	50	2"			50.82	"R	30029120	R30029180	R30029320	4.500

08

Cutting Speeds and Grain Sizes

Each product clearly states the upper limit for safe operation. An rpm number (min-1) or circumferential speed in (m/sec) are both acceptable values for this. These restrictions are essential for workplace safety. These restrictions must never be exceeded.

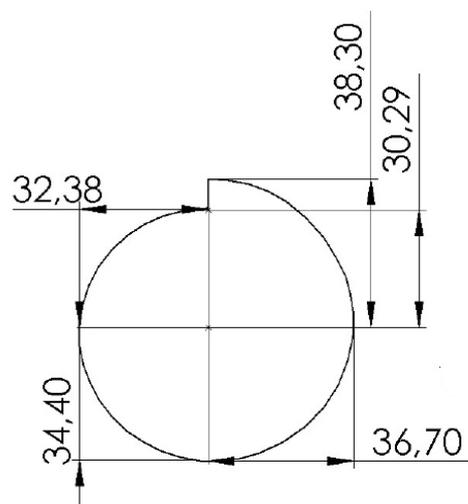
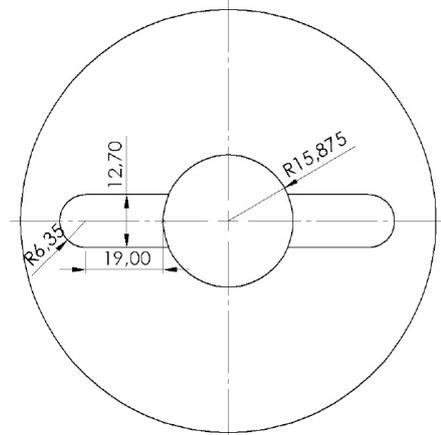
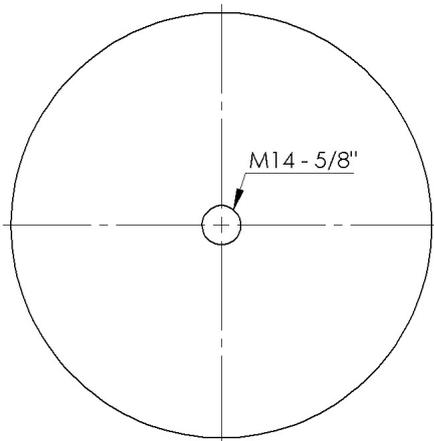
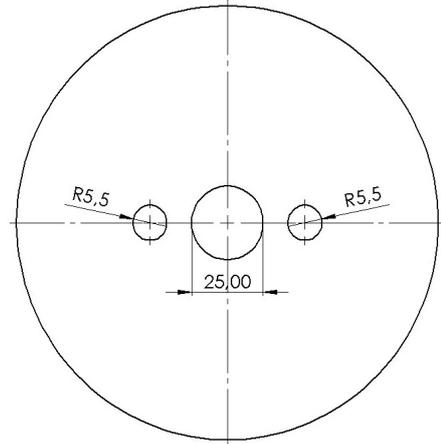
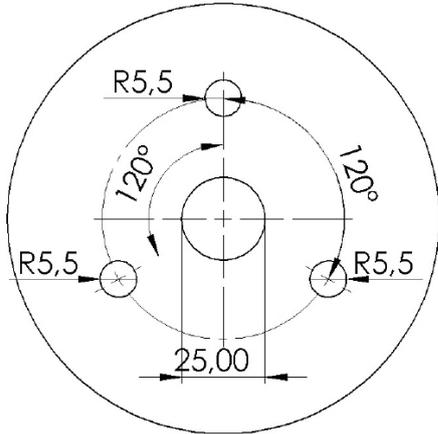
Chart for Circumferential Speed m/sec.											
rpm MAX	Brush Diameter ϕ in mm										
	20	40	60	80	100	115	120	150	180	190	230
400	0.4	0.8	1.3	1.7	2.1	2.4	2.5	3.1	3.8	4.0	4.8
600	0.6	1.3	1.9	2.5	3.1	3.6	3.8	4.7	5.7	6.0	7.2
800	0.8	1.7	2.5	3.4	4.2	4.8	5.0	6.3	7.5	8.0	9.6
1000	1.0	2.1	3.1	4.2	5.2	6.0	6.3	7.9	9.4	9.9	12.0
1200	1.3	2.5	3.8	5.0	6.3	7.2	7.5	9.4	11.3	11.9	14.5
1400	1.5	2.9	4.4	5.9	7.3	8.4	8.8	11.4	13.2	13.9	16.9
1600	1.7	3.4	5.0	6.7	8.4	9.6	10.1	12.6	15.1	15.9	19.3
1800	1.9	3.8	5.7	7.5	9.4	10.8	11.3	14.1	17.0	17.9	21.7
2000	2.1	4.2	6.3	8.4	10.5	12.0	12.6	15.7	18.8	19.9	24.1
2200	2.3	4.6	6.9	9.2	11.5	13.2	13.8	17.3	20.7	21.9	26.5
2500	2.6	5.2	7.9	10.5	13.1	15.1	15.7	19.6	23.6	24.9	30.1
3000	3.1	6.3	9.4	12.6	15.7	18.1	18.8	23.6	28.3	29.8	36.1
3500	3.7	7.3	11.0	14.7	18.3	21.1	22.0	27.5	33.0	34.8	42.1
4000	4.2	8.4	12.6	16.8	20.9	24.1	25.1	31.4	37.7	39.8	48.2
4500	4.7	9.4	14.1	18.8	23.6	27.1	28.3	35.3	42.4	44.8	54.2
5000	5.2	10.5	15.7	20.9	26.2	30.1	31.4	39.3	47.1	49.7	60.2
6000	6.3	12.6	18.8	25.1	31.4	36.1	37.7	47.1	56.5	59.7	72.3
8000	8.4	16.8	25.1	33.5	41.9	48.2	50.3	62.8	75.4	79.6	96.3
10000	10.5	20.9	31.4	41.9	52.4	60.2	62.8	78.5	94.2	99.5	120.4
15000	15.7	31.4	47.1	62.8	78.5	90.3	94.2	117.8	141.4	149.2	180.6
20000	20.9	41.9	62.8	83.8	104.7	120.4	125.7	157.1	188.5	199.0	240.9

Recommended non-cooled Optimal setting, wet working Maximum in cooled conditions

09

Fixation

At Cepicat we work mainly with these fixings,
but we will adapt to your needs.



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How to make a Copicat order?

To order Copicat products you have to complete the code of the products adding the material and the orientation of the filaments:

Order= CODE + ORIENTATION + GRIT MATERIAL

Example:

Cepimet Bundle 150 mm diameter, 20 mm high, 120 grain (BD15020120) ; oriented to the right (SX) ; grit made of ceramic (C)

BD15020120 + SX + C → BD15020120SXC

Send us the code of all the products you need to info@cepikat.com, and we'll get back to you straight away.

cepicat

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