





**JAZ**<sup>®</sup>  
SURFACE EXPERTS



# Committed to excellence working with surfaces since 1924

Since 1924 JAZ has specialized in the manufacturing and selling of power and hand wire brushes, nylon brushes, coated abrasives, etc. for solutions used in surface treatment.

We are the market leader in Spain and export the majority of our production to more than 65 countries worldwide, with special activity in the USA through our wholly owned subsidiary JAZ BRUSH USA, INC.

After 95 years of experience and internationally recognized for our quality, service and innovation, JAZ continues with the same vision and goals that we started with back in 1924.

This is evident through our constant commitment and investments in R&D and the commitment to the future, redefining the way to better understand our products, offering a new look and feel geared towards better educating the end user, expanding our product offering and our new brand image. All of this with the goal of continuing to offer the absolute best solutions and best service to our customers and end users.



In JAZ, we work as a team and we share the aim of being an enterprise that offers different products and solutions for surface treatment applications. This allows us to provide satisfaction and profitability to our customers, as well as being a reference of quality, service and innovation for them.

### Management System

In JAZ we adapt to changes through the increasing of knowledge and the generation of new opportunities.

For this objective we work systematically in the 5 key areas for our competitiveness

- Quality Assurance Program
- Training
- Health and Safety at Work
- Productivity
- Innovation



## Activity

### Wire Brushes:

A wide range of standard articles for industrial supplies and professional hardware sectors.

### Technical Brushes:

We offer new brushing solutions for different industrial applications and areas.



Present in 65  
countries



### Internationalization

In JAZ we export most of our production to 65 countries worldwide with special activity in the USA where we operate through our subsidiary JAZ USA Inc. -located in New Bedford, MA-, who gives service to our customers in the USA and CANADA.





# Specialist in surface treatment

## Innovation

In JAZ innovation is the systematic search for changes in the market and the analysis of the opportunities offered by such changes.

In recent years we have developed and registered new international patents and we have received awards in technological innovation.



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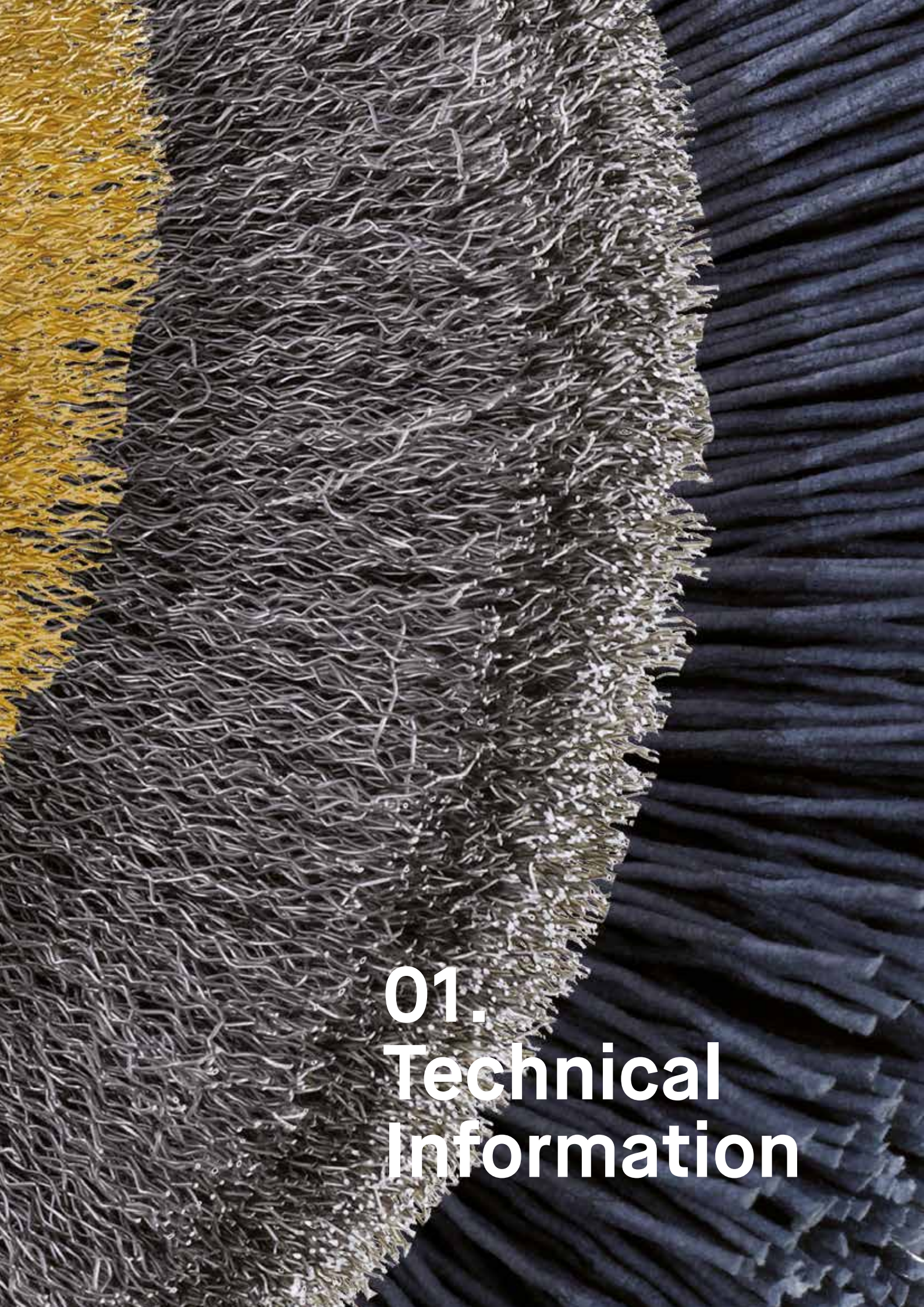
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# 01. Technical Information

### BRUSH USAGE RECOMMENDATIONS

At JAZ, a primary focus is using our brushes in a safe manner. Therefore, we recommend taking the following measures into account before starting to use them. Pay special attention to power brushes that are going to be mounted on electric and/or pneumatic tools and read the instruction manual for the power tools and the working conditions of the power brushes. The brushing must be performed with wire ends.

Excessive pressure causes over-bending of the wires, increasing their fatigue and therefore, causing a premature breaking, reducing significantly their working life. If you need a higher removal capacity, instead of higher pressure on the brush, we suggest the following:

- Use a more aggressive brush: A brush with a thicker wire, with less trim length or twist knot wire instead crimped wire.
- Increase the brushing speed with a model who can work faster or with a bigger diameter, in the case of the wheel brushes.

### SAFETY WARNINGS



The European Standard EN 1083-2 about Safety Requirements in the use of Power-driven brushes states the safety instructions that all brush operators must observe. These requirements and common safety practices will reduce the likelihood of physical injury and brush fail:

- Wear safety goggles, protective clothing and equipment.
- Observe all speed restrictions indicated on the brushes, packaging or catalogue. And do not exceed Maximum Safe Free Speed (Max. R.P.M.) under any circumstances.
- Keep all machine guards in place.
- Do not use deteriorated brushes.
- Oxidation or any other chemical alteration in the wire may cause malfunctioning.
- Store brushes in original packaging, in a clean and dry location protected from dust, humidity and other environmental effects, gases, etc).



### FIXING THE BRUSH

**Brushes NOT mounted properly or securely can cause irreparable damage.**

While fixing a brush to a machine, pay attention to the attachment of the brush:

- For power brushes with a fixed arbor hole, inspect that there is no play between the machine's shaft and the power brushes arbor hole.
- For brushes with a threaded nut, it must be threaded along its entire length and be mounted properly and securely by tightening with a wrench or corresponding tool.



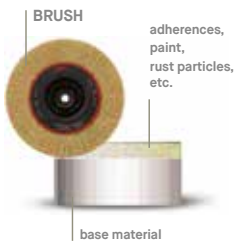
“JAZ” BRUSH MODELS MOVED BY MACHINES.



Machine normal speed	Most common brushes	Model	Brush diameter
Bench Grinders	Crimped & Knotted Wheel	CT, CU, CAM, CCA, DNA, CTP, CDO	75 mm (3") to 350 mm (14")
Angle Grinders (5.000 - 8.500 RPM)	Crimped & Knotted Wheels	CT, CAM, CPL, CCA, CTP	100mm(4") to 175mm(7")
	Crimped & Knotted Cups	TO, TT, TCA, TOG, TTG, TCAG, TNA, TOP, TTP	80mm (3.1/4") to 150mm (6")
	Flap Discs	DLZ, DLO	
Mini Angle Grinders (10.000-12.500 RPM)	High Speed Cups, Discs & Wheels	HSC, HST, HSD, HSK, HSP, HSR, HCA, HSCG, HSTG, HCAG, HSKG, HSDG, HSCP, HSTP, HSRP	65mm (2.9/16") to 115 mm (4.1/2")
	Flap Discs	DLZ, DLO	
Drill & Pneumatic Tools (15.000-20.000 RPM)	Wheels & End Brushes with Shank	CDE, CAE, B, BA, BB, BC, BF, BH, BD, BI, BE, BR, BCP, BEC, BOL, BP	12 mm (1/2") to 75mm(3")
	Flap Discs	AL	
Drills (4.500 RPM)	Wheels, Cups & End Brushes with Shank	BDER, BTE, BBC, BDOR, CNA, BS, BNAR, FH, L1,L2, L1F, LAC, LTON	26 mm (1") to 100 mm (4")
	Flap Wheels	AL	
Industrial Machine	Wheels & End Brushes without Shank, Crimped, Knotted & Abrasive nylon	CUCB-BCSE-CA-CCM-SPECIAL BRUSHES	



### WIRE TYPE, DIAMETER AND LENGTH



#### Wire Brushes Vs. Hard Abrasives

Wire brushes act as an impact tool removing oxide, paint or other adherence from the surface without damaging the base material, as opposed to hard abrasives which will remove the base material along with the surface adherence.

Wire brushes are much more flexible allowing the ability to clean difficult areas to reach and adapt to irregular surfaces, which bonded and coated abrasives can not.

The selection of the right type of brush depends on the type of finishing required (fine or coarse), and the characteristics of the surface to be brushed (stainless steel, carbon steel, wood, etc...).

Besides that, in the case of the brushes fixed in a machine, it is necessary to know the main features of the machine in order to choose the right brush type:

- The maximum diameter allowed.
- The machine speed or RPM.
- The arbor hole diameter or the thread type (M14, 5/8"-11, etc...).

#### Crimped Wire, Twisted Knot Wire and Abrasive Nylon

Crimped wire brushes, because of their higher flexibility, are appropriate to work on uneven surfaces and they obtain a more regular and fine finishing.

Twist knot wire, offers longer life and a higher removal capacity but a more rough finishing. Abrasive Nylon brushes have the flexibility of crimped wire and offers a smoother finishing.

#### Wire Diameter and Characteristics of Abrasive Nylon

Wire gauge of a brush determines the type of surface finishing:

A thicker wire provides for a more aggressive brushing action.

The larger the nylon grit size is the smoother finishing you get.

#### Trim Length

A short trim length makes the brush face rigid and consequently the brush removal capacity is higher.

With a longer trim length the brush becomes flexible and it provides a uniform brushing even on irregular surfaces.

### BRUSH DIMENSIONS AND R.P.M.

The outer diameter of the brush influences the peripheral speed. The larger the diameter of the brush, the fewer rotations you need to achieve the desired result, therefore, the conclusion is that, at lower RPM, we obtain better results in less time. For effective brushing, it is recommended to choose the right brush for the machine to be used. Take into account the maximum RPM of the machine, protections etc ...

## R.P.M.

### Peripheral speed

The power tool speed influences the performance of the brush and the safety of the operator. If load speed marked on the power tool is higher than the brush MAXIMUM RPM, do not mount the brush. Maximum RPM are indicated on brush side plates and shall never be exceeded. MAXIMUM RPM are the maximum RPM at which the brush could be run with no work applied (spinning free). It is merely a safety indication for the user, not the recommended operating speed.

### Cutting speed [m/s]

Removal	Steel	Stainless Steel and Brass	Nylon
Burr	25-35m/s	20-25m/s	15/20m/s
Weld pass	40-45m/s	35-35m/s	
Oxides, Varnishes, Corrosion	30-35m/s	20-25m/s	15-20m/s
Paints and Scales	40-45m/s	35/35m/s	

Converting m/sec en ft/min.: 1 m/sec = 197 ft/min. 1 ft / min. = 5,08 m/sec

Material	Ø mm	Ø ''	Wire code
Grey Steel	0,12	.005	A
	0,15	.006	B
	0,20	.008	C
	0,25	.010	D
	0,30	.012	E
	0,35	.014	F
	0,40	.016	G
	0,50	.020	H
Brass Coated Steel	12x0,23	12x.009	#
	6 x 0,353 + 3 x 0,20	6 x .014 + 3 x .008	@
	0,15	.006	M
	0,20	.008	N
	0,30	.012	Z
	0,40	.016	P
	0,50	.020	Q
	7 x 0,35	7 x .013	@Z
Stainless Steel	0,08	.003	U
	0,30	.012	V
	0,40	.016	X
Brass	0,37	.015	J
	0,50	.020	K
Grey Steel	0,80	.032	L
	0,08	.003	O
German Silver	0,90 x 0,50	.035 x .020	T
Flat Steel	0,43	.017	S
Galvanised Steel	3 x 0,20 + 6 x 0,35	3 x .008 + 6 x .014	W
Laminated Wire	0,50	.020	Y

n RPM	Ø Brush d <sub>1</sub> [mm]															
	25	30	40	50	60	75	80	100	115	125	150	175	200	250	300	
1.000	1	2	2	3	3	4	4	5	6	7	8	9	10	13	16	
1.250	2	2	3	3	4	5	5	7	8	8	10	11	13	16	20	
1.500	2	2	3	4	5	6	6	8	9	10	12	14	16	20	24	
1.750	2	3	4	5	5	7	7	9	11	11	14	16	18	23	27	
2.000	3	3	4	5	6	8	8	10	12	13	16	18	21	26	31	
2.500	3	4	5	7	8	10	10	13	15	16	20	23	26	33	39	
3.000	4	5	6	8	9	12	13	16	18	20	24	27	31	39	47	
3.500	5	5	7	9	11	14	15	18	21	23	27	32	37	46	55	
4.000	5	6	8	10	13	16	17	21	24	26	31	37	42	52	63	
4.500	6	7	9	12	14	18	19	24	27	29	35	41	47	59	71	
5.000	7	8	10	13	16	20	21	26	30	33	39	46	52	65	79	
5.500	7	9	12	14	17	22	23	29	33	36	43	50	58	72		
6.000	8	9	13	16	19	24	25	31	36	39	47	55	63	79		
6.500	9	10	14	17	20	26	27	34	39	43	51	60	68			
7.000	9	11	15	18	22	27	29	37	42	46	55	64	73			
7.500	10	12	16	20	24	29	31	39	45	49	59	69	79			
8.000	10	13	17	21	25	31	34	42	48	52	63	73				
10.000	13	16	21	26	31	39	42	52	60	65	79					
12.000	16	19	25	31	38	47	50	63	72	79						
14.000	18	22	29	37	44	55	59	73								
16.000	21	25	34	42	50	63	67									
20.000	26	31	42	52	63	79										
22.000	29	35	46	58	69											
25.000	33	39	52	65	79											

Ø Brush		Ø Wire		
mm	''	mm	''	I.S.W.G
25	1''	0,08	0,003''	44
50,8	2''	0,1	0,004''	42
76,2	3''	0,12	0,005''	40
101,6	4''	0,15	0,006''	38
127	5''	0,2	0,008''	36
152,4	6''	0,25	0,01''	33
177,8	7''	0,3	0,0118''	31
203,2	8''	0,35	0,0138	29
228,6	9''	0,4	0,016''	27
254	10''	0,5	0,02''	25
279,4	11''	0,8	0,0315''	21



#### Example

Brush diameter d<sub>1</sub>=150mm

R.P.M.: 3,000 r.p.m

Cutting Speed: 24m/s

R.P.M.: 5,000 r.p.m.

$$\text{Cutting speed (v)} = \frac{d_1 \times \pi \times n^{\circ} \text{ of rev. (n)}}{1.000 \times 60}$$

### MAIN ACTIONS TO BE TAKEN WITH BRUSHES



#### Deburring

**Deburring** is the action of removing burrs, these are normally produced after performing cutting or machining operations on certain materials such as steel, stainless steel, aluminum, brass, etc.

- For deburring carbon steel, brushes with carbon steel are best suited for these applications. As a general rule, the larger the diameter of the wire filament, the more aggressive removal the brush has.
- For deburring stainless steel, it is best to use brushes with stainless steel wires to avoid problems of contamination on the working surface.
- For deburring brass it is recommended that the brush wires are made of brass. There are many materials and alloys that are also deburred, the most suitable option must be tried in each case.



#### Surface preparation

Surface preparation is the process of changing the surfaces appearance of a material. Wood is a typical material to apply this process. By passing a steel brush over a wooden surface we are able to highlight the hardest grain, replicating an aged wood look. This process is also known by the term "Rustic".

The diameter of the wire is important to obtain the desired finish, some woods are harder and require a larger wire diameter than soft woods.

For the final step during finishing, some experts use abrasive nylon brushes, these soften the aggressive passage of the steel.

Other materials/surfaces are also prepped, such as stainless steel, stone or rubber. Preparing stainless steel is also known as a "satin finish". A wide range of products are used to provide a satin stainless-steel finish, the most common is abrasive wheels, but in some cases abrasive nylon brushes are used, fixed to a wheel sander machine.



#### Grinding

Removal of paint, rust, dirt, coatings on metal parts etc ... The steel wire brush is the ideal tool for this application. The wires remove rust, paint, coatings etc ... very easily.

In any of the styles of a brush, cup, circular, end brush etc ... the performance is ideal for this application. If the result is not as expected, try using a larger diameter wire or changing from a crimped wire style brush to a twisted knot wire brush for more cutting action.



#### Cleaning

Removing of labels, cleaning of welding joints, stripping of wire rod, cleaning of molds, foundry dust, pad printing on metal parts, conveyor belts etc ... Steel brushes are not always the right solution. Depending on the metal part to be cleaned, you can also use synthetic fibers (nylon, polypropylene, pekalon, etc.) for cleaning. For example, a plastic conveyor belt cannot be cleaned with wire brushes, but you can do it with synthetic fiber brushes. There are other types of brushes made with natural fibers such as Horse hair, Tampico, Wild pig hair, etc.). This type of fiber has the advantage of not creating static electricity. In some cleaning processes, the friction of synthetic fibers with surfaces generates static electricity and they are useless, hence the use of vegetable fibers.



## Sweeping

Eliminate melt sands, dust, flours, etc. Synthetic fiber brushes are the most suitable for this type of application. Normally it is about removing substances that are loosely attached to the surface. The food industry is a common user of this type of application.















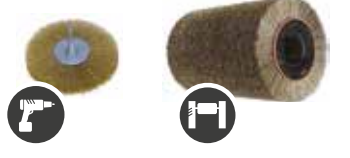

## Finishing

With our main focus of finishing surfaces with the use power and hand brushes, we specialize in fill materials that can be used in brushes. With brushes it is not possible to achieve finishing that is possible with other materials such as scotch brite, abrasive sponges, etc ... In the market, abrasive nylon, aluminum oxide, diamond, etc. fibers are available. They are the most widely used abrasives in brushes. With this type of brushes, fine burrs and improvements in surface finishing are achieved. These are synthetic fiber filaments impregnated in the different types of abrasive mentioned above. The most widely used fiber is Abrasive Nylon.

Finishing	Grade					Removal	Flexibility
	WIRE	ABRASIVE NYLON	SANDPAPER	POLISH	SWEEP		
COARSE	W1	NA1	SP1	P1	SW1	● ● ● ● ●	● ● ● ● ●
MEDIUM	W2	NA2	SP2	P2	SW2	1 2 3 4 5	1 2 3 4 5
FINE	W3	NA3	SP3	P3	SW3	- / +	- / +
SUPERFINE	W4	NA4	SP4	P4	SW4		
NEUTRAL	W5	NA5	SP5	P5	SW5		



CHOOSE THE BRUSH ACCORDING TO THE ACTION TO BE PERFORMED

SURFACE	 Deburring	 Surface preparation	 Cleaning (weld bead)
STEEL			
ALUMINIUM			
STAINLESS			
BRASS			
WOOD			
RUBBER			
STONE			



GRINDER


















DRILL



BENCH-GRINDER



INDUSTRIAL MACHINE

 <b>Grinding</b> (paint, rust, ...)	 <b>Sweeping</b> (dust, sand, ...)	 <b>Finishing</b> (Improve surface finish)
		
		
		
		
		



DIE-GRINDER



BY HAND



MINI-GRINDER



WOOD PORTABLE MACHINE

### SURFACE TREATMENT

The first step is to identify the type of surface that the application will be performed on; steel, stainless steel, aluminum, wood etc. The following is our recommendation for what brush fill material is best to be used for each work surface material.



#### CARBON STEEL

For brushing carbon steel material, the most common brushes to use are made with carbon steel wires. Only in cases where carbon steel is at high temperatures is it recommended to use stainless steel brushes. Carbon steel rusts in heat and stainless does not.



#### STAINLESS STEEL

As a general rule, it is recommended to use stainless steel wire brushes for brushing stainless steel surfaces, to avoid oxidation problems in on the material.



#### WOOD

Wood has different characteristics than other materials. The end user is the one who knows the finishing type he is looking for and that can change the criteria when selecting brushes. They are generally carbon steel brushes along with abrasive nylon brushes. The choice of wire thickness will depend on the type of wood (hard or soft), as well as the grain of the abrasive nylon.



#### NON-SPARKING

We consider Non-Sparking those metallic surfaces where sparks should not be generated when brushing because they are in environments with a risk of explosion. For brushing surfaces and not wanting to generate sparks, we recommend using solid brass wire brushes.



#### OTHER SURFACES

**Rubber:** In rubber brushing processes, tire manufacturers, retreading and metal-rubber component industry, use carbon steel brushes.

**Leather:** The footwear sector also uses carbon steel brushes to prepare the leather before gluing it to the sole.

**Jewelry:** To work these delicate surfaces, jewelers use brushes made of brass and nickel silver with very fine filaments (0.08mm).

**Stone:** This type of surface is usually worked with steel brushes and also with abrasive brushes. On the one hand, it is possible to remove soft elements from the stone as well as satin and / or aged finishes. Abrasive brushes are common on marble, quartz, granite, ceramic and terrazzo surfaces.



NECESSARY STEPS FOR THE CORRECT CHOICE OF A BRUSH

The choice of a brush depends on several criteria to take into account.

**1.**  
Material you  
are working on/  
Surface to be  
treated



Steel



Stainless/  
aluminum



Non-sparking



Wood



others

**2.**  
Power tool  
being used



Drill



Grinder



Mini-Grinder



Die-Grinder



Wood Portable  
Machine



Bench-Grinder



Industrial Machine

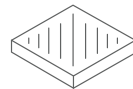


By hand

**3.**  
Type of  
application



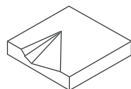
Cleaning



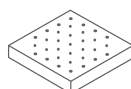
Surface preparation



Deburring



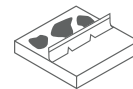
Grinding



Finishing



Polishing



Sweeping

**4.**  
Surface finish  
required

Finishing	Grade					Removal	Flexibility
	WIRE	ABRASIVE NYLON	SANDPAPER	POLISH	SWEEP		
COARSE	W1	NA1	SP1	P1	SW1		
MEDIUM	W2	NA2	SP2	P2	SW2		
FINE	W3	NA3	SP3	P3	SW3		
SUPERFINE	W4	NA4	SP4	P4	SW4		
NEUTRAL	W5	NA5	SP5	P5	SW5		

## RANGE OF METALLIC WIRES

**Brass Coated Steel**

High Performance and flexibility.  
Anti-corrosion material.  
Suitable for a large range of finishing.  
Traction resistance 230-250 Kgs/mm<sup>2</sup>. Carbon content 0,75%.  
Available thickness (mm): 0,15 - 0,20 - 0,25 - 0,30 - 0,35 - 0,40 - 0,50.  
We have the following cable crimped wire range: 6x0,23 - 12x0,23 - (3x0,20)+(6x0,35).

**Brass**

Non-sparking wires.  
Suitable for soft finishing in non-ferrous materials.  
Traction resistance 80-95 Kgs/mm<sup>2</sup>.  
Available thickness (mm): 0,08 - 0,30 - 0,40.

**Cable Crimped Wire. High Performance**

High Performance brushes are made of cable wire, made of a bunch of high strength brass coated steel wires, which form a flexible and compact unit. You get a type of finishing and extraction capacity similar to monofilament of 0.30 mm.  
They provide important advantages:  
Performance: 50% longer lifetime due to their greater resistance to fatigue.  
Flexibility: Better adaptation to irregular surfaces.  
Security: It avoids broken chunks.

**Laminated Wire Brush**

The laminated wire is a novelty in the metal brushware industry and it provides an element of comfort and security to the handling of wire brushes. The coating of the wires prevents from being wounded too.  
It provides a high performance as a result of the reduced level of breakings of the laminated wires compared to an equivalent wire uncoated.

**Grey Steel**

Suitable for twist-knotted brushes and a high removal capacity.  
Non suitable for stainless steel surfaces.  
Traction resistance 200-275 Kgs/mm<sup>2</sup>.  
Carbon content 0,50-0,60%.  
Available thickness (mm): 0,12 - 0,20 - 0,30 - 0,37 - 0,50 - 0,80.  
We have 0,10 mm Bessemer wire.

**Stainless Steel**

These wires are used for the brushing of stainless steel, aluminium or non ferrous metal surfaces.  
Stainless steel turned into wire becomes lightly magnetic.  
Traction resistance 160-180 Kgs/mm<sup>2</sup> following AISI 304-L regulations.  
Available thickness (mm): 0,15 - 0,20 - 0,30 - 0,40 - 0,50.  
We have stainless steel wire following AISI 316-L regulations and stainless steel cable 7x0,35.

**German Silver**

Suitable for soft polishing in silver colour surfaces.  
Copper content 60-65%, Zinc 22-25% and Nickel 11-13%.  
Available thickness: 0,08 mm

RANGE OF SYNTHETIC FIBERS

Materials

SYNTHETIC FIBERS		TEMP. RESISTANCE IN°C	LIQUID ABSORPTION	1. GASOLINE	2. VEGETABLE OIL	3. BENZOL	4. TRICHLOROETHYLENE	5. ACETONE	6. VASELINE	7. CAUSTIC SODA	8. CAUSTIC POTASE	9. CITRIC ACID	10. SULFURIC ACID	11. NITRIC ACID	12. HYDROCHLORIC ACID	13. ETHYL ACETATE	PROPERTIES
Polyamide 6-40	PA 6-40	-40 +80	10 %														Specifically for low temperatures
Polyamide 6 FH	PA6FH	-20 +100	9,5 %														Fiber with a flame retardant.
Polyamide 6.6	PA66	-30 +110	8,5 %														High mechanical resistance to fatigue and to wear.
Polyamide 6.12	PA612	-30 +110	3 %														High quality fibers with excellent shape memory and recovery qualities
Polyamide6.12 Abrasive	CASI OXAL	-20 +110	3 %														High quality abrasive fibers silicon carbide (CASI).Aluminium oxide (OXAL)
Rilsan	RSS	-20 +150	3 %														Very high quality for intense tasks
Pekalon	PPS	-30 +190	0,02 %														Special for high temperatures
PBT Polyester	PBT	-20 +140	0 %														Very high resistance to wear. Food industry
Polypropylene	PP	-15 +80	0,6 %														With anti-UV treatment. Good stiffness
Polyethylene	PE	-15 +65	0,2 %														Very flexible, high resistance to impact

■ Resistant  
■ Limited resistance  
■ Not resistant

## TROUBLESHOOTING GUIDE

Several factors can influence a brush application. If the selected brush does not achieve the expected result, the following table may provide solutions for the most common problems faced by the user.

For **further information**, please contact our **Technical Department**.

Problem	Suggested Solutions
Brush is too aggressive	<ul style="list-style-type: none"> <li>• Increase trim length.</li> <li>• Decrease wire diameter.</li> <li>• Work at lower speed.</li> </ul>
Finish too coarse	<ul style="list-style-type: none"> <li>• Increase trim length.</li> <li>• Decrease wire diameter.</li> <li>• Choose a nylon abrasive brush.</li> </ul>
Action of brush is not uniform	<ul style="list-style-type: none"> <li>• Decrease brushing pressure.</li> <li>• Decrease wire diameter.</li> <li>• Work at lower speed.</li> </ul>
Life of the brush is too short	<ul style="list-style-type: none"> <li>• Decrease wire diameter.</li> <li>• Increase brush diameter.</li> <li>• Decrease brushing pressure.</li> </ul>



## MULTI-THREADS AND ADAPTERS



### Threaded nut

The exclusive and patented **JAZ** threaded nut provides for a number of advantages:

- Easier tightening into machines.
- Higher resistance of the brush against possible deformation.
- The multithread option allows the use of one brush on machines with different types of spindle:
  - **R88 threaded nut**: fits both 5/8-11" and M14-2 machines.
  - **R77 threaded nut**: fits both M10x1,25 and M10x1,5.

The purpose of these innovations is to help distributors better manage the line by reducing the number of SKU-s or items and improve their level of service to their customers and end users.



### Multi-threads adapters

**JAZ** is offering a variety of thread adapter options from 5/8-11" nuts:

- ADP. W5/8-F10: adapter to M10x1,25.
- ADP. W5/8-M10: adapter to M10x1,5.
- ADP. W5/8-U38: adapter to 3/8"-24.
- ADP. W5/8-R77: multi-adapter to both M10x1,25 and M10x1,5.

This last option, when used in conjunction with an R88 thread, can substitute 4 different thread options.

## CUSTOMIZED BRUSHING SOLUTIONS

From our Technical Department we offer brushing solutions for different industrial processes and needs posed by the different sectors which demand customized products and rely on our experience gained over our history of more than 90 years dedicated to the brushware industry.

Manufacturing of technical brushes requires direct collaboration between manufacturer and user. In **JAZ** we have specialized personnel and appropriate technical resources, for answering your queries and provide the best solution to your request.

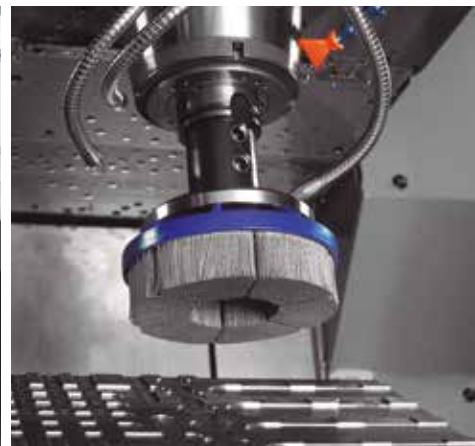
We offer a complete service that covers the definition of form and materials, making necessary tooling (shafts or rotors), end user training and even automatization the process of brushing.

Knowledge of the different wires and materials is very important in defining the ideal brush for each requirement. **JAZ** offers high resistance steel wire between 0.08 and 0.80 mm., Stainless steel wires, brass, nickel silver, nylon abrasives,. We also offer high performance steel and stainless steel.

**JAZ** can also supply brushes with different arbor holes: plain hole or with keyway.

The **sectors** we serve are very diverse. Among them are the following:

- Construction
- Tube deburring
- Rubber - Metal Injection
- Packaging
- Cleaning of continuous saws
- Treatment in stone
- Wood Texturing
- Food industry
- Turning
- Rod cleaning
- Retreading
- Mold cleaning
- Automotive parts deburring
- ...





ACERO



ST



**JAZ**

**02.**  
**Wire**  
**Brushes**

**Technical Information**

They are designed for individual tasks with wide possibilities in dimensions, arbor holes and wires.

**Applications**

Removal of rust, paint, scale, edges, etc.  
Cleaning of forged pieces. Tyre recovery.  
Surface processing in metal, rubber, plastic, wood, glass, etc.

CT Wide Face Wheel



**ACTION**  
SURFACE TOOL FINISHING REMOVAL

DEBURRING, CLEANING, SURFACE PREPARATION  
STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
BENCH-GRINDER

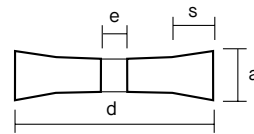
COARSE, MEDIUM, FINE WIRE

REMOVAL

FLEXIBILITY

0,12-0,20 mm  
0,30-0,40 mm  
0,50-0,80 mm

0,12-0,20 mm  
0,30-0,50 mm



ORDER EXAMPLE:  
CT 1507E 99  
1.Model: CT  
2.Article Code: 1507  
3.Wire Code: E  
4.Multi-fitting: 99

See construction drawing on page 112

Diameter (d)	No. of Rows	Face Width (a)		Trim Length (s)		Arbor Hole (e)		Multi Thread (e)		Coated Steel					Stainless Steel.			Brass	R.P.M. Max.	
		mm	"	mm	"	mm	"	mm	"	mm	"	0,12 mm .005"	0,15 mm .006"	0,20 mm .008"	0,30 mm .012"	0,40 mm .016"	0,50 mm .020"	0,20 mm .008"		0,30 mm .012"
50	2"	3	12	1/2"	9	3/8"				0503A	0503B	0503C	0503E	0503G	0503H	0503N	0503Z	0503V	12.000	
		4	14	9/16"						0504A	0504B	0504C	0504E	0504G	0504H	0504N	0504Z	0504V		
		5	15	5/8"						0505A	0505B	0505C	0505E	0505G	0505H	0505N	0505Z	0505V		
75	3"	3	12	1/2"	22	7/8"	10	3/8"	-	0703A	0703B	0703C	0703E	0703G	0703H	0703N	0703Z	0703V		
		4	14	9/16"						0704A	0704B	0704C	0704E	0704G	0704H	0704N	0704Z	0704V		
		5	16	5/8"						0705A	0705B	0705C	0705E	0705G	0705H	0705N	0705Z	0705V		
		6	19	3/4"						0706A	0706B	0706C	0706E	0706G	0706H	0706N	0706Z	0706V		
		7	20	3/4"						0707A	0707B	0707C	0707E	0707G	0707H	0707N	0707Z	0707V		
		9	25	1"						0709A	0709B	0709C	0709E	0709G	0709H	0709N	0709Z	0709V		
100	4"	3	12	1/2"	18	11/16"	13	1/2"	-	1003A	1003B	1003C	1003E	1003G	1003H	1003N	1003Z	1003V		6.500
		4	14	9/16"						1004A	1004B	1004C	1004E	1004G	1004H	1004N	1004Z	1004V		
		5	16	5/8"						1005A	1005B	1005C	1005E	1005G	1005H	1005N	1005Z	1005V		
		6	19	3/4"						1006A	1006B	1006C	1006E	1006G	1006H	1006N	1006Z	1006V		
		7	22	7/8"						1007A	1007B	1007C	1007E	1007G	1007H	1007N	1007Z	1007V		
		9	26	1"						1009A	1009B	1009C	1009E	1009G	1009H	1009N	1009Z	1009V		
125	5"	3	13	1/2"	30	1.5/32"	13	1/2"	-	1203A	1203B	1203C	1203E	1203G	1203H	1203N	1203Z	1203V		
		4	15	5/8"						1204A	1204B	1204C	1204E	1204G	1204H	1204N	1204Z	1204V		
		5	19	3/4"						1205A	1205B	1205C	1205E	1205G	1205H	1205N	1205Z	1205V		
		6	19	3/4"						1206A	1206B	1206C	1206E	1206G	1206H	1206N	1206Z	1206V		
		7	22	7/8"						1207A	1207B	1207C	1207E	1207G	1207H	1207N	1207Z	1207V		
		9	25	1"						1209A	1209B	1209C	1209E	1209G	1209H	1209N	1209Z	1209V		
150	6"	3	12	1/2"	28	1.1/8"	13	1/2"	-	1503A	1503B	1503C	1503E	1503G	1503H	1503N	1503Z	1503V	4.500	
		4	15	5/8"						1504A	1504B	1504C	1504E	1504G	1504H	1504N	1504Z	1504V		
		5	19	3/4"						1505A	1505B	1505C	1505E	1505G	1505H	1505N	1505Z	1505V		
		6	19	3/4"						1506A	1506B	1506C	1506E	1506G	1506H	1506N	1506Z	1506V		
		7	25	1"						1507A	1507B	1507C	1507E	1507G	1507H	1507N	1507Z	1507V		
		9	32	1.1/4"						1509A	1509B	1509C	1509E	1509G	1509H	1509N	1509Z	1509V		
175	7"	3	19	3/4"	40	1.5/8"	20	3/4"	-	1703A	1703B	1703C	1703E	1703G	1703H	1703N	1703Z	1703V		
		4	17	11/16"						1704A	1704B	1704C	1704E	1704G	1704H	1704N	1704Z	1704V		
		5	20	3/4"						1705A	1705B	1705C	1705E	1705G	1705H	1705N	1705Z	1705V		
		6	19	3/4"						1706A	1706B	1706C	1706E	1706G	1706H	1706N	1706Z	1706V		
		7	27	1.1/16"						1707A	1707B	1707C	1707E	1707G	1707H	1707N	1707Z	1707V		
		9	32	1.1/4"						1709A	1709B	1709C	1709E	1709G	1709H	1709N	1709Z	1709V		
200	8"	3	14	1/2"	40	1.5/8"	50	2"	-	2003A	2003B	2003C	2003E	2003G	2003H	2003N	2003Z	2003V		
		4	17	11/16"						2004A	2004B	2004C	2004E	2004G	2004H	2004N	2004Z	2004V		
		5	20	3/4"						2005A	2005B	2005C	2005E	2005G	2005H	2005N	2005Z	2005V		
		6	25	1"						2006A	2006B	2006C	2006E	2006G	2006H	2006N	2006Z	2006V		
		7	27	1.1/16"						2007A	2007B	2007C	2007E	2007G	2007H	2007N	2007Z	2007V		
		9	35	1.3/8"						2009A	2009B	2009C	2009E	2009G	2009H	2009N	2009Z	2009V		



## CT Wide Face Wheel

Diameter (d)		No. of Rows	Face Width (a)		Trim Length (s)		Arbor Hole (e)		Multi Thread (e)		Coated Steel					Stainless Steel.		Brass	R.P.M. Max.	
mm	"		mm	"	mm	"	mm	"	mm	"	0,12 mm .005"	0,15 mm .006"	0,20 mm .008"	0,30 mm .012"	0,40 mm .016"	0,50 mm .020"	0,20 mm .008"	0,30 mm .012"		0,30 mm .012"
225	9"	3	15	1/2"	53	2.1/16"	13	1/2"	13	1/2"	2203A	2203B	2203C	2203E	2203G	2203H	2203H	2203Z	2203V	3.600
		4	19	3/4"							2204A	2204B	2204C	2204E	2204G	2204H	2204N	2204Z	2204V	
		5	22	7/8"							2205A	2205B	2205C	2205E	2205G	2205H	2205N	2205Z	2205V	
		6	27	1.1/16"							2206A	2206B	2206C	2206E	2206G	2206H	2206N	2206Z	2206V	
		7	29	1.1/8"							2207A	2207B	2207C	2207E	2207G	2207H	2207N	2207Z	2207V	
		9	35	1.3/8"							2209A	2209B	2209C	2209E	2209G	2209H	2209N	2209Z	2209V	
250	10"	3	15	1/2"	65	2.5/8"	16	5/8"	13	1/2"	2503A	2503B	2503C	2503E	2503G	2503H	2503N	2503Z	2503V	3.000
		4	22	7/8"			2504A	2504B			2504C	2504E	2504G	2504H	2504N	2504Z	2504V			
		5	25	1"			2505A	2505B			2505C	2505E	2505G	2505H	2505N	2505Z	2505V			
		6	28	1.1/8"			2506A	2506B			2506C	2506E	2506G	2506H	2506N	2506Z	2506V			
		7	35	1.3/8"			2507A	2507B			2507C	2507E	2507G	2507H	2507N	2507Z	2507V			
		9	39	1.1/2"			2509A	2509B			2509C	2509E	2509G	2509H	2509N	2509Z	2509V			
		3	16	1/2"			3003A	3003B			3003C	3003E	3003G	3003H	3003N	3003Z	3003V			
		4	22	7/8"			3004A	3004B			3004C	3004E	3004G	3004H	3004N	3004Z	3004V			
		5	25	1"			3005A	3005B			3005C	3005E	3005G	3005H	3005N	3005Z	3005V			
300	12"	6	29	1.3/4"	90	3.5/8"	20	3/4"	13	1/2"	3006A	3006B	3006C	3006E	3006G	3006H	3006N	3006Z	3006V	2.400
		7	35	1.3/8"			3007A	3007B			3007C	3007E	3007G	3007H	3007N	3007Z	3007V			
		9	39	1.1/2"			3009A	3009B			3009C	3009E	3009G	3009H	3009N	3009Z	3009V			
		3	17	11/16"			3503A	3503B			3503C	3503E	3503G	3503H	3503N	3503Z	3503V			
350	14"	4	23	7/8"	115	4.5/8"	22	7/8"	13	1/2"	3504A	3504B	3504C	3504E	3504G	3504H	3504N	3504Z	3504V	2.400
		5	27	1.1/16"			3505A	3505B			3505C	3505E	3505G	3505H	3505N	3505Z	3505V			
		6	31	1.1/4"			3506A	3506B			3506C	3506E	3506G	3506H	3506N	3506Z	3506V			
		7	38	1.1/2"			3507A	3507B			3507C	3507E	3507G	3507H	3507N	3507Z	3507V			
		9	41	1.5/8"			3509A	3509B			3509C	3509E	3509G	3509H	3509N	3509Z	3509V			

Note: Face width measures are always approximate. Brushes made on request will indicate all necessary specifications on the side plates.

## CT Wide Face Wheel with Multi-Fitting Adaptor



Multi threaded Nut  
Code 99.  
Ø: 13-16-20-22-26-30-50 mm.  
Enables to use different bore diameters, and this way we reduce the stock.



## CT with Threaded Nut



We are presenting a range of 5 row, 0,30 mm. steel wire brushes (diam 150, 175 and 200 mm.) that incorporate a threaded nut. This simplifies the attachment of the brush to threaded spindle machines (i.e. portable machines). Available in different wires and threads.

Diameter mm	Row	Face Width		Multi Thread	Code
150	5	20 mm	3/4"	M14	CT 1505E M14
175					CT 1705E M14
200					CT 2005E M14

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING  
CLEANING  
SURFACE PREPARATION  
STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
GRINDER  
COARSE, MEDIUM, FINE



CT brush models are presented with our exclusive new security handling system.



**Technical Information CU**

Specially designed for making rollers by joining individual brushes.  
Special models are available for rollers of large dimension and the possibility of arbor holes with dragging keys.  
Individually used, they are appropriate for brushing narrow places.

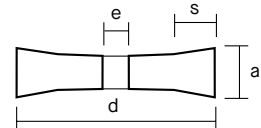
**Applications CU**

Removal of rust, paint and scale.  
Edge cleaning of tubes and sections, manually or automatically (R.S.A, ADIGE, etc. machine types).

**CU Narrow Face Wheel 3 Rows. Face Width of 11mm**



ACTION	DEBURRING, CLEANING, SURFACE PREPARATION				
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING				
TOOL	INDUSTRIAL MACHINE				
FINISHING	MEDIUM, FINE				
REMOVAL	<table border="0"> <tr> <td>●●●●●●●●</td> <td>0,15-0,20 mm</td> </tr> <tr> <td>●●●●●●●●</td> <td>0,30-0,40 mm</td> </tr> </table>	●●●●●●●●	0,15-0,20 mm	●●●●●●●●	0,30-0,40 mm
●●●●●●●●	0,15-0,20 mm				
●●●●●●●●	0,30-0,40 mm				
FLEXIBILITY	<table border="0"> <tr> <td>●●●●●●●●</td> <td>0,15-0,20 mm</td> </tr> <tr> <td>●●●●●●●●</td> <td>0,30-0,40 mm</td> </tr> </table>	●●●●●●●●	0,15-0,20 mm	●●●●●●●●	0,30-0,40 mm
●●●●●●●●	0,15-0,20 mm				
●●●●●●●●	0,30-0,40 mm				



Diameter (d)		Trim Length (s)		Coated Steel				Stainless Steel		Brass	R.P.M. Max.
mm	"	mm	"	0,15 mm .006"	0,20 mm .008"	0,30 mm .012"	0,40 mm .016"	0,20 mm .008"	0,30 mm .012"	0,30 mm .012"	
100	4"	20	3/4"	1003B	1003C	1003E	1003G	1003N	1003Z	1003V	6.000
125	5"	23	7/8"	1203B	1203C	1203E	1203G	1203N	1203Z	1203V	6.000
150	6"	28	1.1/8"	1503B	1503C	1503E	1503G	1503N	1503Z	1503V	6.000
175	7"	40	1.5/8"	1703B	1703C	1703E	1703G	1703N	1703Z	1703V	6.000
200	8"	53	2.1/16"	2003B	2003C	2003E	2003G	2003N	2003Z	2003V	4.500
225	9"	49	2"	2203B	2203C	2203E	2203G	2203N	2203Z	2203V	3.600
250	10"	61	2.3/8"	2503B	2503C	2503E	2503G	2503N	2503Z	2503V	3.600
300	12"	86	3.3/8"	3003B	3003C	3003E	3003G	3003N	3003Z	3003V	3.000

Note: R.P.M. specifications vary when several brushes are put together in a roller.  
We have drive shafts with keyways. You can make us an enquiry.

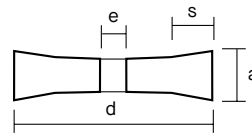
**Axis description**

Diameter	100 - 125 mm	150-175-200 mm	225 - 250 - 300 mm
	4" - 5"	6" - 7" - 8"	9" - 10" - 12"
Fixed Arbor Hole (e)	13-16-20-26 mm	13-16-20-22-26-30-35-36-40-50-50,8 mm	16-20-22-26-30-36-40-50-50,8 mm
	1/2" - 5/8" - 3/4" - 1"	1/2" - 5/8" - 3/4" - 7/8" - 1" - 1.3/16" - 1.3/8" - 1.5/8" - 2"	5/8" - 3/4" - 7/8" - 1" - 1.3/16" - 1.3/8" - 1.5/8" - 2"

CU Narrow Face Wheel 4 Rows. Face Width of 13mm (1/2")



ACTION: DEBURRING, CLEANING, SURFACE PREPARATION  
 SURFACE: STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
 TOOL: INDUSTRIAL MACHINE  
 FINISHING: MEDIUM, FINE  
 REMOVAL: WIRE: 0,15-0,20 mm, 0,30-0,40 mm  
 FLEXIBILITY: WIRE: 0,15-0,20 mm, 0,30-0,40 mm



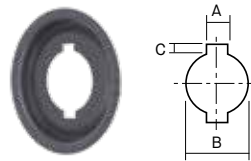
ORDER EXAMPLE:  
 CU 1503E 16  
 1. Model: CU  
 2. Article Code: 1503  
 3. Wire Code: E  
 4. Arbor Hole: 16 mm

Diameter(d)		Trim Length (s)		Coated Steel					Stainless Steel		Brass	R.P.M. Max.
mm	"	mm	"	0,15 mm .006"	0,20 mm .008"	0,30 mm .012"	0,40 mm .016"	0,50 mm .020"	0,20 mm .008"	0,30 mm .012"	0,30 mm .012"	
250	10"	25	1"	92504B	92504C	92504E	92504G	92504H	92504N	92504Z	92504V	3.600
275	11"	47,5	2"	92754B	92754C	92754E	92754G	92754H	92754N	92754Z	92754V	3.600
300	12"	60	2.3/8"	93004B	93004C	93004E	93004G	93004H	93004N	93004Z	93004V	3.600
325	13"	72,5	3"	93254B	93254C	93254E	93254G	93254H	93254N	93254Z	93254V	3.600
350	14"	85	3.1/4"	93504B	93504C	93504E	93504G	93504H	93504N	93504Z	93504V	3.000
400	16"	110	4.11/32"	94004B	94004C	94004E	94004G	94004H	94004N	94004Z	94004V	3.000

Note: R.P.M. specifications vary when several brushes are put together in a roller. We have drive shafts with keyways. You can make us an enquiry.

Inside diameter with keyways

Diameter (B)		Keyway (A)		Keyway (C)		Code
mm	"	mm	"	mm	"	
50,8	2"	13	1/2"	7	9/32"	51
54,7	2.5/32"	13	1/2"	6	1/4"	55
80	3.5/32"	22	7/8"	5,5	1/4"	80
82,55	3.1/4"	22	7/8"	7	9/32"	83
110	4.11/32"					110



Axis description

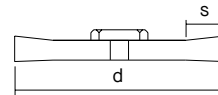
Diameter	250 - 400 mm 10" - 16"
Fixed Arbor Hole (e)	50,8 - 80 - 82,55 - 110 2" - 3.5/32" - 3.1/4" - 4.11/32"



CCA Cable Crimped High Performance



ACTION	DEBURRING, CLEANING , SURFACE PREPARATION
SURFACE	<b>STEEL</b>
TOOL	BENCH- GRINDER, GRINDER
FINISHING	MEDIUM, FINE
REMOVAL	●●●●●○
FLEXIBILITY	●●●●○



ORDER EXAMPLE:  
CCA 1505@99  
1. Model: CCA  
2. Article Code: 1505@  
3. Arbor Hole: 99

Outside Diameter(d)		Rows	Face Width (a)		Trim Length (s)		Arbor Hole		Multi Thread		Thread	Cable Coated Steel		R.P.M. Max.	
mm	"		mm	"	mm	"						0,35mm	0,23mm		
150	6"	5	20	3/4"	28	1.1/8"	13	1/2"			M14 M10 W5/8	1505@	1505#	6.500	
150	6"	9	32	1.1/4"			16	5/8"				1509@	1509#	6.500	
175	7"	5	20	3/4"	40	1.5/8"	20	3/4"				1705@	1705#	6.500	
175	7"	9	32	1.1/4"			22	7/8"	13	1/2"		1709@	1709#	6.500	
200	8"	5	20	3/4"	40	1.5/8"	25	1"	16	5/8"		2005@	2005#	4.500	
200	8"	9	35	1.3/8"			26	1"	20	3/4"		2009@	2009#	4.500	
225	9"	5	22	7/8"	53	2.1/16"	30	1.3/16"	22	7/8"		2205@	2205#	4.500	
225	9"	9	35	1.3/8"			35	1.3/8"	26	1"		2209@	2209#	4.500	
250	10"	5	25	1"	65	2.5/8"	40	1.5/8"	30	1.3/16"		2505@	2505#	4.500	
250	10"	9	39	1.1/2"			50	2"	50	2"		2509@	2509#	4.500	
							51	2"							

**Technical Information CCA**

In these brushes traditional individual crimped wires (monofilaments) are substituted by several wires making cable crimped wire. These cable crimped wires are made by groups of 0,23 and 0,35 mm diameter high resistance steel wires, making a flexible, compact and aggressive brush.

The type of finishing and removal capacity is medium. The cable wire 0,35 mm has a similar finishing of the wire 0,30 mm and the cable of 0,23 mm has a similar finishing of the 0,20 mm wire.

**Applications CCA**

- Removal of rust, paint, scale and dirt.
- Cleaning of castings.
- Treating metallic surfaces, rubber, plastic, wood or glass
- Metallic construction, ship-building, boiler industry, stone and concrete

G Jewelry Wheel with Wooden Center



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

FLEXIBILITY

CLEANING  
**STEEL**  
BENCH- GRINDER  
SUPERFINE

WIRE  
0,06 mm  
0,10 mm  
0,08 mm  
0,10 mm

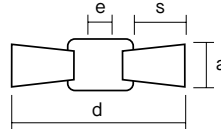
ORDER EXAMPLE:  
G 1204U  
1. Model: G  
2. Article Code: 1204U



Diámetro (d)		No. Rows	Face Width (a)		Trim Length (s)		Arbor hole (e)		Brass	G.Silver	Bessemer	R.P.M. Recom.
mm	"		mm	"	mm	"	mm	"	0,08 mm .003"	0,08 mm .003"	0,10 mm .004"	
80	3.1/4"	4	15	5/8"	20	3/4"	6	1/4"	0804U	08040	0804R	700
80	3.1/4"	5	16	5/8"	20	3/4"	6	1/4"	0805U	08050	0805R	700
80	3.1/4"	6	17	11/16"	20	3/4"	6	1/4"	0806U	08060	0806R	700
100	4"	4	18	11/16"	30	1.3/16"	6	1/4"	1004U	10040	1004R	600
100	4"	5	20	3/4"	30	1.3/16"	6	1/4"	1005U	10050	1005R	600
100	4"	6	22	7/8"	30	1.3/16"	6	1/4"	1006U	10060	1006R	600
120	4.3/4"	4	22	7/8"	35	1.3/8"	6	1/4"	1204U	12040	1204R	500
120	4.3/4"	5	24	15/16"	35	1.3/8"	6	1/4"	1205U	12050	1205R	500
120	4.3/4"	6	28	1.1/8"	35	1.3/8"	6	1/4"	1206U	12060	1206R	500
150	6"	4	26	1"	50	2"	9	3/8"	1504U	15040	1504R	380
150	6"	5	30	1.3/16"	50	2"	9	3/8"	1505U	15050	1505R	380
150	6"	6	34	1.3/8"	50	2"	9	3/8"	1506U	15060	1506R	380

Technical Information G

Special model for very fine polishing.  
Wooden center to avoid material damage.  
Brass: for gold plated metallic surfaces.  
German Silver: for silver plated surfaces..



Applications G

Jewelry, silver plating, etc.  
Dental fitting.  
Galvanizing processes. Polishing of oxidized surfaces.



Brushes for Key Duplicating Machines



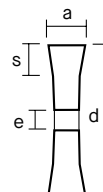
ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL**  
BENCH- GRINDER  
MEDIUM, FINE

ORDER EXAMPLE:  
CT 0704 E10  
1. Model: CT  
2. Article Code: 0704E  
3 Arbor Hole: 10



Model	Outside Diameter(d)		Rows	Face Width (a)		Arbor hole (e)		Coated Steel 0,30mm E
	mm	"		mm	"	mm	"	
CT	75	3"	4	14	9/16"	10	3/8"	CT 0704 E10
CT	100	4"	3	12	1/2"	13	1/2"	CT 1003 E13
BDOR	75	3"	-	7	9/32"	13	1/2"	BDOR 7503

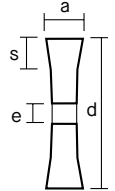


CDO Industrial Wheel Brush With Arbor Hole



ACTION: DEBURRING, CLEANING  
 SURFACE: STEEL  
 TOOL: BENCH- GRINDER  
 FINISHING: MEDIUM, FINE  
 REMOVAL: WIRE: 0,20 mm, 0,30 mm  
 FLEXIBILITY: 0,20 mm, 0,30 mm

ORDER EXAMPLE:  
 CDO 7500E  
 1. Model: CDO  
 2. Article Code: 7500E



Diameter(d)		Width (a)	Arbor Hole(e)		Coated Steel	
mm	"		mm	"	0,20mm .008"	0,30mm .012"
30	1.3/16"	10	6	1/4"	3000C	
50	2"	10	6	1/4"	5000C	
75	3"	15	6	1/4"		7500E

Technical Specifications

Arbor hole diameter: 6 - 8 - 10mm

Applications

The CDO brush range are mainly used for wire stripping, key duplicating, continuous saws, etc. CDOs are made depending on the specifications of each.

It is necessary to define:

Outside Diameter, Width, Bore, Wire diameter and Grit size of the abrasive nylon.

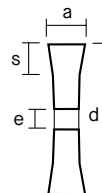
CT Industrial Wheel Brush for Band Saws



ACTION: CLEANING, SWEEPING  
 SURFACE: STEEL  
 TOOL: INDUSTRIAL MACHINE  
 FINISHING: MEDIUM, NEUTRAL  
 REMOVAL:   
 FLEXIBILITY:

ORDER EXAMPLE:  
 CTO 704NY10  
 1. Model: CT  
 2. Article Code: 704NY  
 3. Arbor hole: 10

Diameter (d)		No. Rows	Width (a)		Arbor Hole (e)		Coated Steel		Nylon
mm	"		mm	"	mm	"	0,30mm	.012"	
75	3"	4	14	9/16"	10	3/8"	CT0704E10		CT0704NY10
100	4"	6	20	3/4"	13	1/2"	CT91006E13		CT1006NY13
100	4"	8	25	1"	13	1/2"	CT81008E13		CT81008NY13



COP Industrial Wheel Brush with Copper Center



**Technical Information:**

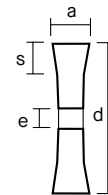
For use in Difficult areas to reach.  
Specially designed for making rollers by joining individual brushes.

**Applications**

- Thread Clening
- Wire Stripping
- Removal of rust, Paint and scale

ACTION	DEBURRING, CLEANING						
SURFACE	STEEL / STAINLESS / ALUMINUM						
TOOL	BENCH- GRINDER						
FINISHING	MEDIUM, FINE						
REMOVAL	<table border="0"> <tr> <td>● ● ● ● ● ● ● ● ● ●</td> <td>WIRE</td> </tr> <tr> <td>● ● ● ● ● ● ● ● ● ●</td> <td>0,20 mm</td> </tr> <tr> <td>● ● ● ● ● ● ● ● ● ●</td> <td>0,30-0,35 mm</td> </tr> </table>	● ● ● ● ● ● ● ● ● ●	WIRE	● ● ● ● ● ● ● ● ● ●	0,20 mm	● ● ● ● ● ● ● ● ● ●	0,30-0,35 mm
● ● ● ● ● ● ● ● ● ●	WIRE						
● ● ● ● ● ● ● ● ● ●	0,20 mm						
● ● ● ● ● ● ● ● ● ●	0,30-0,35 mm						
FLEXIBILITY	<table border="0"> <tr> <td>● ● ● ● ● ● ● ● ● ●</td> <td>0,20 mm</td> </tr> <tr> <td>● ● ● ● ● ● ● ● ● ●</td> <td>0,30-0,35 mm</td> </tr> </table>	● ● ● ● ● ● ● ● ● ●	0,20 mm	● ● ● ● ● ● ● ● ● ●	0,30-0,35 mm		
● ● ● ● ● ● ● ● ● ●	0,20 mm						
● ● ● ● ● ● ● ● ● ●	0,30-0,35 mm						

ORDER EXAMPLE:  
COP 6000C  
1. Model: COP  
2. Article Code: 6000C



Diameter (d)		Width (a)		Arbor Hole (e)		Steel			Stainless		R.P.M. Max.
mm	"	mm	"	mm	"	0,20mm .008"	0,30mm .012"	0,35mm .014"	0,20mm .008"	0,30mm .012"	
40	1.1/2"	6	1/4"	13-10	1/2"-3/8"	4000C	4000E	4000F	4000N	4000Z	20.000
50	2"	10	3/8"	13-10	1/2"-3/8"	5000C	5000E	5000F	5000N	5000Z	
60	2.1/2"	12	1/2"	13-10	1/2"-3/8"	6000C	6000E	6000F	6000N	6000Z	
75	3"	16	5/8"	13-10	1/2"-3/8"	7500C	7500E	7500F	7500N	7500Z	

Diameter (d)		Width (a)		Arbor Hole (e)		Abrasive Nylon			R.P.M. Max.
mm	"	mm	"	mm	"	Grit 120	Grit 180	Grit 320	
40	1.1/2"	6	1/4"	13-10	1/2"-3/8"	4011	4012	4013	4.500
50	2"	10	3/8"	13-10	1/2"-3/8"	5011	5012	5013	
60	2.1/2"	12	1/2"	13-10	1/2"-3/8"	6011	6012	6013	
75	3"	16	5/8"	13-10	1/2"-3/8"	7511	7512	7513	

CT & CCA Brushes High Density



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

DEBURRING, CLEANING, SURFACE PREPARATION  
**STEEL / STAINLESS / ALUMINUM**  
BENCH- GRINDER, INDUSTRIAL MACHINE  
COARSE, MEDIUM, FINE

WIRE  
●●●●● 0,20 mm  
●●●●● 0,30-0,40 mm  
●●●●● 0,50 mm

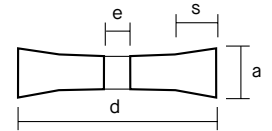
FLEXIBILITY

●●●●● 0,20 mm  
●●●●● 0,30-0,50 mm

ORDER EXAMPLE:  
CT 3014EC51  
1.Model: CT  
2. Article Code: 3014E  
3.Arbor Hole: C51

Technical Specifications

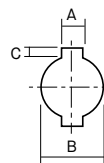
These brushes are typically used for deburring tube ends and profiles.  
These brushes are mainly characterized by its high density, quality and perfect balance.



				BRUSH CT Monofilament Wire									BRUSH CCA Cable Wire		R.P.M. Max.
Outside diameter (d)		No. Rows	Face Width (a)		Trim Length (s)		Coated Steel			Stainless			Cable crimped CCA	Cable stainless steel	
mm	"		mm	"	mm	"	0,20 mm .008"	0,30 mm .012"	0,50 mm .020"	0,20 mm .008"	0,30 mm .012"	0,50 mm .020"			
250	10"	16	60	2.3/8"	45	1.3/4"	2516C	2516E	2516H	2516N	2516Z	2516Q	2616@	2616@Z	3.600
250	10"	28	95	3.3/8"	45	1.3/4"	2528C	2528E	2528H	2528N	2528Z	2528Q	2528@	2528@Z	3.600
300	12"	14	60	2.3/8"	50	2"	3014C	3014E	3014H	3014N	3014Z	3014Q	3014@	3014@Z	3.000
300	12"	25	95	3.3/8"	50	2"	3028C	3028E	3028H	3028N	3028Z	3028Q	3028@	3028@Z	3.000

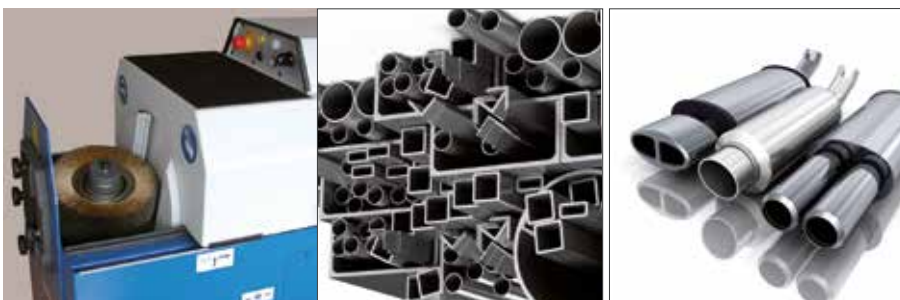
Inside Diameter with keyways

Diameter (B)		Keyway (A)		Keyway (C)		Code
mm	"	mm	"	mm	"	
50,8	2"	13,2	1/2"	7,1	9/32"	C51
52,9	2.3/32"	13,5	1/2"	6,4	1/4"	C53
54,7	2"	13,6	1/2"	5,8	1/4"	C55
80	3.1/8"	13,5	1/2"	7,5	9/32"	C80
82,55	3.1/4"	13,5	1/2"	6,4	1/4"	C82



Plain inner diameter

Diameter (B)		Code
mm	"	
25,4	1"	C26
100	4"	C100
110	4.11/32"	C110





## CUCB Roller Brushes



<b>ACTION</b>	DEBURRING, CLEANING, SURFACE PREPARATION								
<b>SURFACE</b>	STEEL / STAINLESS / ALUMINUM								
<b>TOOL</b>	INDUSTRIAL MACHINE								
<b>FINISHING</b>	COARSE, MEDIUM, FINE								
<b>REMOVAL</b>	<table border="0"> <tr> <td colspan="2">WIRE</td> </tr> <tr> <td>●</td> <td>0,20 mm</td> </tr> <tr> <td>●●</td> <td>0,30-0,40 mm</td> </tr> <tr> <td>●●●</td> <td>0,50 mm</td> </tr> </table>	WIRE		●	0,20 mm	●●	0,30-0,40 mm	●●●	0,50 mm
WIRE									
●	0,20 mm								
●●	0,30-0,40 mm								
●●●	0,50 mm								
<b>FLEXIBILITY</b>	<table border="0"> <tr> <td>●</td> <td>0,20 mm</td> </tr> <tr> <td>●●</td> <td>0,30-0,50 mm</td> </tr> </table>	●	0,20 mm	●●	0,30-0,50 mm				
●	0,20 mm								
●●	0,30-0,50 mm								

**ORDER EXAMPLE:**  
 CUCB 93037@C80  
 1.Model: CUCB  
 2. Article Code: 93037@E  
 3.Arbor Hole: C80

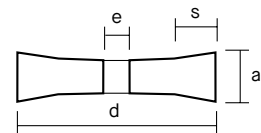
### Technical Specifications

Wire brushes manufactured in a block of high density and a perfect balance. The CUCB brushes suit the main deburring machines in the market.

### Applications

Deburring of tube and profiles cut ends.

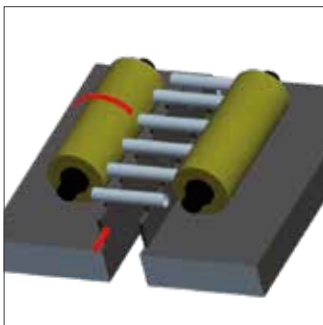
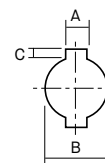
Mainly for automatic deburring machines ADIGE type-RSA-Pedrazzoli etc. Burmaster



See construction drawing on page 113

Outside diameter (d)		Face Width (a)		Trim Length (s)		Coated Steel		Cable crimped	Stainless		Cable stainless steel	R.P.M. Max.
mm	"	mm	"	mm	"	0,20 mm .008"	0,50 mm .020"		0,20 mm .008"	0,50 mm .020"		
250	10"	300	12"	35	1.3/8"	CUCB92524C	CUCB92524H	CUCB92524@	CUCB92524N	CUCB92524Q	CUCB92524@Z	3.600
250	10"	450	18"	35	1.3/8"	CUCB92536C	CUCB92536H	CUCB92536@	CUCB92536N	CUCB92536Q	CUCB92536@Z	3.600
250	10"	600	24"	35	1.3/8"	CUCB92548C	CUCB92548H	CUCB92548@	CUCB92548N	CUCB92548Q	CUCB92548@Z	3.600
300	12"	300	12"	60	2.3/8"	CUCB93024C	CUCB93024H	CUCB93024@	CUCB93024N	CUCB93024Q	CUCB93024@Z	3.600
300	12"	450	18"	60	2.3/8"	CUCB93036C	CUCB93036H	CUCB93036@	CUCB93036N	CUCB93036Q	CUCB93036@Z	3.600
300	12"	600	24"	60	2.3/8"	CUCB93048C	CUCB93048H	CUCB93048@	CUCB93048N	CUCB93048Q	CUCB93048@Z	3.600

Inside diameter	C51	C80	C83	C110
Keyway (mm)	50,8X12,70X6,35	80X22X5,5	82,55X22X7	110
Keyway (Pul.)	2"x1/2"x1/4"	3.1/8"x7/8"x1/4"	3.1/4"x7/8"x1/4"	4.11/32"
Plain	BxAxC	BxAxC	BxAxC	B



BCSE End Brushes without shank



Features and Applications

End brushes which are mounted on tools of 8, 16 and 24 units.  
For use in manual and automatic machines for deburring of tubes, profiles.

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING, SURFACE PREPARATION

STEEL / STAINLESS / ALUMINUM

INDUSTRIAL MACHINE

COARSE, MEDIUM, FINE

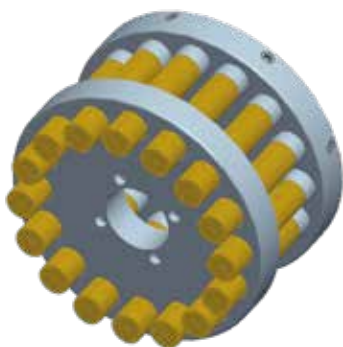
WIRE

●●●●●●●●	0,20 mm
●●●●●●●●	0,50 mm
●●●●●●●●	Nylon
●●●●●●●●	0,20 mm
●●●●●●●●	0,50 mm
●●●●●●●●	Nylon

ORDER EXAMPLE:  
BC92656CSE  
1.Model: BC  
2.Article Code: 92656CSE



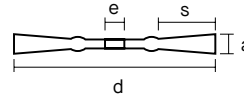
Model	D		T		L		Pack	Coated Steel		Stainless		Abrasive Nylon	
	mm	"	mm	"	mm	"		0,20 mm .008"	0,50 mm .020"	0,20 mm .008"	0,50 mm .020"	Grit 120	Grit 180
BC	25	1"	95	3.74"	25	1"	16	92656CSE	921696HSE	92696NSE	92696QSE	92696120SE	92696180SE



CAM Twist Knot Wheel Knot of 12 mm (1/2")



ACTION: DEBURRING, CLEANING  
 SURFACE: STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
 TOOL: BENCH-GRINDER, GRINDER  
 FINISHING: COARSE, MEDIUM  
 REMOVAL: 0,37-0,40 mm  
 0,50-0,80 mm  
 FLEXIBILITY: 0,30-0,80 mm



ORDER EXAMPLE:  
 CAM 2001 K22  
 1.Model: CAM  
 2. Article Code: 2001K  
 3.Arbor Hole: 22

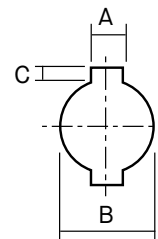
Outside Diameter (d)		No. Knots	Knot Width (a)		Trim Length (s)		Arbor Hole (e)	Grey Steel			Stainless	Brass	R.P.M. Max.
mm	"		mm	"	mm	"		0,37 mm .015"	0,50 mm .020"	0,80 mm .032"	0,50 mm .020"	0,40 mm .016"	
80	3.1/4"	20	10	3/8"	16	5/8"	10, 13; 3/8", 1/2"	0801J	0801K	0801L	0801Q	0801X	20.000
100	4"	20	12	1/2"	19	3/4"	16-22 5/8" - 7/8" M14 W5/8" 5/8" UNC Multi R (1)	1001J	1001K	1001L	1001Q	1001X	15.000
115	4.1/2"	20	12	1/2"	26	1"		91151J	91151K	91151L	91151Q	91151X	12.000
125	5"	22	12	1/2"	26	1"		1201J	1201K	1201L	1201Q	1201X	12.000
150	6"	24	12	1/2"	34	1.3/8"		1501J	1501K	1501L	1501Q	1501X	9.000
175	7"	24	12	1/2"	46	1.3/4"		1701J	1701K	1701L	1701Q	1701X	8.500
200	8"	40	12	1/2"	29	1.1/8"	(2)	2001J	2001K	2001L	2001Q	2001X	4.500
250	10"	40	12	1/2"	54	2.1/8"	(2)	2501J	2501K	2501L	2501Q	2501X	4.500
250	10"	56	12	1/2"	38	1.1/2"	(3)	9251J	9251K	9251L	9251Q	9251X	3.600
300	12"	56	12	1/2"	63	2.1/2"		3001J	3001K	3001L	3001Q	3001X	3.600
350	14"	56	12	1/2"	88	3.1/2"		3501J	3501K	3501L	3501Q	3501X	3.600

(1) Exclusive design for M14 x 2 and 5/8" - 11 (Code R-88) or for M10 x 1,25 and M10 x 1,50 (Code R-77).



Available in different types of rows and diameters

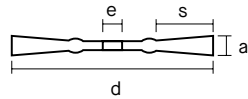
(2) Plain Bore		(3) Inside diameter with keyways					
Diameter(B)		Diameter (B)		keyway (A)		keyway (C)	
mm	"	mm	"	mm	"	mm	"
20	3/4"	31,75	1,25"	8	1/3"	4	1/6"
22	7/8"	50,8	2"	13,2	1/2"	7,1	9/32"
25,4	1"	52,9	2.3/32"	13,5	1/2"	6,4	1/4"
30	1.3/16"	54,7	2"	13,6	1/2"	5,8	1/4"
36	1.3/8"	80,2	3.1/8"	13,5	1/2"	7,5	9/32"
40	1.5/8"	82	3.1/4"	13,5	1/2"	6,4	1/4"
50	2"						
50,8	2"						
100	4"						
110	4.11/32"						



CAM Twisted Knot Wheel Agressive 10 mm (3/8")



ACTION	DEBURRING, CLEANING						
SURFACE	<b>STEEL / STAINLESS / ALUMINUM / NON-SPARKING</b>						
TOOL	BENCH-GRINDER, GRINDER						
FINISHING	COARSE, MEDIUM						
REMOVAL	<table border="0"> <tr> <td style="text-align: center;">● ● ● ● ●</td> <td>WIRE</td> <td>0,37-0,40 mm</td> </tr> <tr> <td style="text-align: center;">● ● ● ● ●</td> <td></td> <td>0,50-0,80 mm</td> </tr> </table>	● ● ● ● ●	WIRE	0,37-0,40 mm	● ● ● ● ●		0,50-0,80 mm
● ● ● ● ●	WIRE	0,37-0,40 mm					
● ● ● ● ●		0,50-0,80 mm					
FLEXIBILITY	<table border="0"> <tr> <td style="text-align: center;">● ● ● ● ●</td> <td></td> <td>0,30-0,80 mm</td> </tr> </table>	● ● ● ● ●		0,30-0,80 mm			
● ● ● ● ●		0,30-0,80 mm					



ORDER EXAMPLE:  
CAM 1501K 16  
1.Model: CAM  
2. Article Code:1501K  
3.Arbor Hole: 16

See construction drawing on page 114

Technical Information

The twist knot wire allows:

- Long working life.
- High removal capacity.
- Possibility of working at high speed.

Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8-11 attachments (Code R88); the other is valid for M10 x 1,5 and M10 x 1,25 systems (Code R77).

The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.

Applications

Removal of welding and forge scale. Weld cleaning at the tube joints in.

Tyre-rubber recovering and glass bottle recovering.

Outside Diameter(d)		No. of Knots	Knot Width(a)		Trim Length(s)		Arbor Hole (e)	Grey steel	Stainless	Brass	R.P.M. Max.
			mm	"	mm	"		mm	"	0,50 mm .020"	
150	6"	24	10	3/8"	34	1.3/8"	13-16-22 (1/2"-5/8"-7/8")	1501K	1501Q	1501X	9.000
175	7"	24	10	3/8"	46	1.3/4"	M14 W5/8" UNC Multi R (1)	1701K	1701Q	1701X	8.500

(1) Exclusive design for M14 x 2 and 5/8" - 11 (Code R-88) or for M10 x 1,25 and M10 x 1,50 (Code R-77).



## CAM Twisted Knot Wheel for Joints Cracks



ACTION	DEBURRING, CLEANING
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING
TOOL	INDUSTRIAL MACHINE
FINISHING	COARSE, MEDIUM
REMOVAL	WIRE ● ● ● ● ● 0,37-0,40 mm ● ● ● ● ● 0,50-0,80 mm
FLEXIBILITY	● ● ● ● ● 0,30-0,80 mm

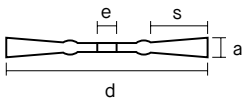
ORDER EXAMPLE:  
CAM 93051L254  
1.Model: CAM  
2.Article Code: 93051L  
3.Arbor Hole: 25,4

### Technical Information and Applications

Brush made with wide and narrow knots. These brushes fit equipment for cutting concrete, which are used to define the joint cracks.

The brush makes cleaning function across the joint cracks before putting the silicone.

An application used in airports, bridges, etc ...



Outside Diameter (d)		No. of knots	Knot Width (a)		Trim Length (s)		Thread (e)		Wire		R.P.M. Max.	Code
mm	"		mm	"	mm	"	mm	"	mm	"		
305	12"	40	9,5	3/8"	80	3.1/8"	25,4	1"	0,8	.032"	4.500	CAM93051L254

## CA Twisted Knot Wheel Simple

You can contact JAZ for measure requirements



### Technical Information

Twisted Knot wheel Brushes unassembled, are provided so that the end user, can mount them in packages of different widths.

The CA Brush requires from reusable side plates so they can hold properly the brush.

### Applications

All those in which width measurements may vary.



CPL Pipe-Lines Knot of 6 mm (1/4")



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
STEEL / STAINLESS / ALUMINUM  
GRINDER, MINI-GRINDER  
COARSE  
●●●●●●  
●●●●●●

ORDER EXAMPLE:  
CPL 71060K W58  
1. Model: CPL  
2. Article Code: 71060K  
3. Arbor Hole: W5/8

Technical Information

The twist knot wire allows:

- Long working life.
- High removal capacity.
- Possibility of working at high speed.

Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8-11 attachments (Code R88); the other is valid for M10 x 1,5 and M10 x 1,25 systems (Code R77).

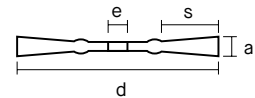
The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.



Applications

Removal of welding and forge scale.

Weld cleaning at the tube joints in PIPE-LINES (Mod. CPL).



Outside Diameter (d)		No. of Knots	Knot Width (a)		Trim Length (s)		Arbor Hole (e)	Grey Steel	Stainless	R.P.M. Max.
mm	"		mm	"	mm	"		0,50 mm .020"	0,50 mm .020"	
100	4"	32	6	1/4"	21	3/4"	16-22 5/8" - 7/8" M14 W5/8" 5/8" UNC Multi R (1)	71060K	71060Q	20.000
115	4.1/2"	32	6	1/4"	26	1"		91151K	91151Q	15.000
125	5"	38	6	1/4"	21	3/4"		91251K	91251Q	12.500
150	6"	30	8	5/16"	29	1.9/64"		1580K	1580Q	9.000
150	6"	30	6	1/4"	29	1.9/64"		1560K	1560Q	9.000
150	6"	50	6	1/4"	29	1.9/64"		81565K	81565Q	9.000
175	7"	30	8	5/16"	46	1.13/16"		1780K	1780Q	9.000
175	7"	30	6	1/4"	46	1.13/16"		1760K	1760Q	9.000
175	7"	48	6	1/4"	28	1.1/8"		81748K	81748Q	9.000
175	7"	56	6	1/4"	28	1.1/8"		81756K	81756Q	9.000
225	9"	56	6	1/4"	50	2"		82256K	82256Q	6.000

CPL Pipe-Lines Knot of 6 mm (1/4") High Performance

Outside Diameter (d)		No. of Knots	Knot Width (a)		Trim Length (s)		Arbor Hole (e)	Grey Steel	Stainless	R.P.M. Max.
mm	"		mm	"	mm	"		0,50 mm .020"	0,50 mm .020"	
115	4.1/2"	36	6	1/4"	26	1"	16-22	91156K	91156Q	15.000
125	5"	42	6	1/4"	21	3/4"	5/8" - 7/8"	91242K	91242Q	12.500
150	6"	38	8	5/16"	29	1.9/64"	M14 W5/8"	81538K	81538Q	9.000
150	6"	56	6	1/4"	29	1.9/64"	M14 W5/8"	81556K	81556Q	9.000
175	7"	50	8	5/16"	28	1.1/8"	5/8" UNC	81750K	81750Q	9.000
175	7"	76	6	1/4"	28	1.1/8"	5/8" UNC	81776K	81776Q	9.000
225	9"	50	8	5/16"	50	2"	multi R(1)	82250K	82250Q	6.000
225	9"	76	6	1/4"	50	2"	multi R(1)	82276K	82276Q	6.000

(1) Exclusive design for M14 x 2 and 5/8" - 11(Code R-88) or for M10 x 1,25 and M10 x 1,50 (Code R-77).

## ENC Encapsulated wheel



ACTION	DEBURRING, CLEANING
SURFACE	<b>STEEL</b>
TOOL	GRINDER
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ● ● ●

ORDER EXAMPLE:  
ENC1501FM14  
1. Model: Wheel  
2. Article Code: 1501F  
3. Arbor Hole: M14

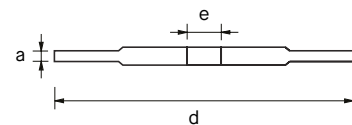
### Technical Information

Encapsulation protects the wire from rusting.  
Provides precision control of the brushing action on the workpiece.  
Allows easier brushing action in slots and complex shaped parts.  
Encapsulation gradually wears away to expose a consistent short trim length creating the most aggressive brushing action.  
Encapsulation shields the wires from flexing fatigue that extends the brush life compared to industry standard crimped wire brushes.  
Ensures greater durability than a standard crimped wire wheel brush.  
Provides a friendlier handling of the brush, protecting end users against potential pricking caused by the wire tips.

### Applications

Removal of welding scales.  
Pipeline Oil & Gas Industry.  
Heavy deburring.  
Rod cleaning.  
Corner & edge cleaning.  
Suitable for working in marine environment and other demanding applications.

Outside Diameter (d)		Width (a)		Trim Length(s)		Thread (e)	Wire
mm	"	mm	"	mm	"		0,35 mm / 0.014"
115	4.1/2"	6	1/4"	26	1.1/32"	M14-5/8"	ENC1151F
125	5"	6	1/4"	31	1.7/32"		ENC1251F
150	6"	6	1/4"	27,5	1.1/16"	R88-Ø 22	ENC1501F
175	7"	6	1/4"	40	1.5/8"		ENC1701F



ENC Wheel with Shank

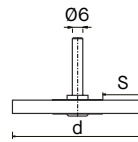


ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL**  
DIE-GRINDER  
MEDIUM  
●●●●●  
●●●●●

ORDER EXAMPLE:  
ENC6000E  
1.Model: Wheel with shank  
2.Article Code: 6000E

Ø External(d)		Width (a)		Shank		Wire
mm	"	mm	"	mm	"	0,35 mm / 0.014"
60	2.3/8"	6	1/4"	6	1/4"	ENC6000E
75	3"	6	1/4"	6	1/4"	ENC7500E



ENC End Brush

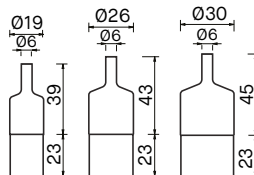


ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL**  
DIE-GRINDER  
MEDIUM  
●●●●●  
●●●●●

ORDER EXAMPLE:  
ENC1900E  
1.Model: End Brush  
2.Article Code: 1900E

Ø External(d)		Width (a)		Shank		Wire
mm	"	mm	"	mm	"	0,35 mm / 0.014"
19	3/4"	23	7/8"	6	1/4"	ENC1900E
26	1.1/32"	23	7/8"	6	1/4"	ENC2600E
30	1.3/16"	23	7/8"	6	1/4"	ENC3000E





## TO Crimped Cup Brush crimped Wire



ACTION	DEBURRING, CLEANING, SURFACE PREPARATION						
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING						
TOOL	GRINDER						
FINISHING	COARSE, MEDIUM, FINE						
REMOVAL	<table border="0"> <tr> <td>●●●●●</td> <td>0,20 mm</td> </tr> <tr> <td>●●●●●</td> <td>0,30-0,40 mm</td> </tr> <tr> <td>●●●●●</td> <td>0,50 mm</td> </tr> </table>	●●●●●	0,20 mm	●●●●●	0,30-0,40 mm	●●●●●	0,50 mm
●●●●●	0,20 mm						
●●●●●	0,30-0,40 mm						
●●●●●	0,50 mm						
FLEXIBILITY	<table border="0"> <tr> <td>●●●●●</td> <td>0,20 mm</td> </tr> <tr> <td>●●●●●</td> <td>0,30-0,50 mm</td> </tr> </table>	●●●●●	0,20 mm	●●●●●	0,30-0,50 mm		
●●●●●	0,20 mm						
●●●●●	0,30-0,50 mm						

ORDER EXAMPLE:  
 TO1000E M14  
 1. Model: TO  
 2. Article Code: 1000E  
 3. Arbor Hole: M14

### Technical Information and Applications

Specially designed for use on portable machines (angle grinders), electric or pneumatic.

Appropriate for brushing large surfaces with a medium removal capacity.

Fastening: plain bore or threaded arbor hole. We recommend threaded arbor hole because of their easier use and safety.

Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8- 11 attachments (Code R88); the other is valid for M10 x 1,5 and M10 x 1,25 systems (Code R77).

Removal of rust, paint or any kind of adherence.

Cleaning of castings.

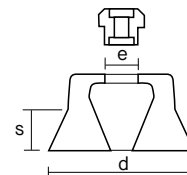
Treating metallic surfaces, rubber, plastic, wood or glass.

Metallic construction, ship-building, boiler industry, stone and concrete.

Outside Diameter (d)		Trim Length(s)		Arbor Hole (e)	Coated Steel				Stainless		Brass	R.P.M. Max.
mm	"	mm	"		0,20 mm .008"	0,30 mm .012"	0,40 mm .016"	0,50 mm .020"	0,20 mm .008"	0,30 mm .012"	0,30 mm .012"	
60	2.3/8"	20	3/4"	(*)	0600C	0600E	0600G	0600H	0600N	0600Z	0600V	11.000
80	3.1/4"	30	1.3/16"	16-22	0800C	0800E	0800G	0800H	0800N	0800Z	0800V	8.500
100	4"	30	1.3/16"	5/8" - 7/8" M10-M14	1000C	1000E	1000G	1000H	1000N	1000Z	1000V	8.500
125	5"	30	1.3/16"	W5/8" 5/8" UNC	1250C	1250E	1250G	1250H	1250N	1250Z	1250V	8.500
150	6"	40	1.5/8"	Multi R (1)	1500C	1500E	1500G	1500H	1500N	1500Z	1500V	6.000

(\*) Only available with threaded arbor hole.

(1) R88 Code: Multifitting for M14 and 5/8" - 11; R77 Code: for M10 x 1,5 and M10 x 1,25.



See construction drawing on page 118



TCA Cable Crimped Wire High Performance Range



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING, SURFACE PREPARATION

STEEL  
GRINDER  
MEDIUM, FINE

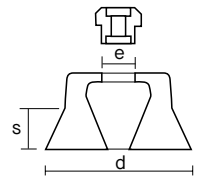
ORDER EXAMPLE:  
TCA1000@ M14  
1. Model: TCA  
2. Article Code: 1000@  
3. Arbor Hole: M14

**Technical Information and Applications**

Specially designed for use on portable machines (angle grinders), electric or pneumatic. Appropriate for brushing large surfaces with a medium removal capacity. Fastening: plain bore or threaded arbor hole. We recommend threaded arbor hole because of their easier use and safety. Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8- 11 attachments (Code R88); the other is valid for M10 x 1,5 and M10 x 1,25 systems (Code R77). Removal of rust, paint or any kind of adherence. Cleaning of castings. Treating metallic surfaces, rubber, plastic, wood or glass. Metallic construction, ship-building, boiler industry, stone and concrete.

Diameter (d)		Trim Length (s)		Arbor Hole (e)	Cable Coated Steel	R.P.M. Max.
mm	"	mm	"			
100	4"	30	1.3/16"	M10-M14-W5/8" Multi R(1)	1000@	8.500
125	5"	30	1.3/16"		1250@	8.500

(1) R88 Code: Multifitting for M14 and 5/8" - 11; R77 Code: for M10 x 1,5 and M10 x 1,25.



## TT Twist Knot Cup Brush Knotted Wire



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING, SURFACE PREPARATION  
**STEEL / STAINLESS / ALUMINUM / NON-SPARKING**  
GRINDER  
COARSE, MEDIUM  
WIRE  
0,30-0,40 mm  
0,50-0,80 mm

ORDER EXAMPLE:  
TT1001L M14  
1. Model: TT  
2. Article Code: 1001L  
3. Arbor Hole: M14

### Technical Information and Applications

The twisted wire gives these models:

- Longer life.
- Higher removal capacity.
- Possibility to work at high speeds.

Designed for use in portable machines.

Suitable for brushing over large areas with a higher removal capacity.

Exclusively designed threaded M14 x 2 and W5 / 8 "-11 (Code R-88) or M10 x 1.25 and M10 x 1.50 (Code R-77).

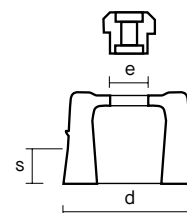
Also valid to single thread. It allows an easier attachment and increases resistance.

Cleaning and removal of welding scale, metallic structures, ship building, etc...

Diameter(d)		No. of Rows	Trim Length (s)		Arbor Hole (e)	Grey Steel			Stainless	Brass	R.P.M. Max.
mm	"		mm	"		0,37 mm .015"	0,50 mm .020"	0,80 mm .032"	0,50 mm .020"	0,40 mm .016"	
65	2.9/16"	1	20	3/4"	(*)	0601J	0601K	0601L	0601Q	0601X	15.000
80	3.1/4"	1	25	1"	16-22 5/8" - 7/8" M10-M14 W5/8" 5/8" UNC Multi R (1)	0801J	0801K	0801L	0801Q	0801X	8.500
100	4"	1	27	1.1/8"		1001J	1001K	1001L	1001Q	1001X	8.500
125	5"	1	30	1.3/16"		1251J	1251K	1251L	1251Q	1251X	8.500
150	6"	1	35	1.3/8"		1501J	1501K	1501L	1501Q	1501X	6.000

(\*) Only with thread: M10-M14-W5/8"- 5/8" UNC - Multi R.

(1) Exclusively designed threaded M14 x 2 and W5/8" - 11 (Code R-88) or M10 x 1,25 and M10 x 1,50 (Code R-77).

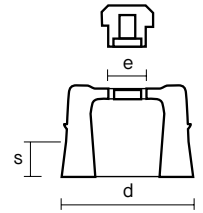


See construction drawing on page 115

TT Twisted Knot Cup Brush 2 Rows



ACTION: DEBURRING, CLEANING, SURFACE PREPARATION  
 SURFACE: STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
 TOOL: GRINDER  
 FINISHING: COARSE, MEDIUM  
 REMOVAL: WIRE  
 FLEXIBILITY:



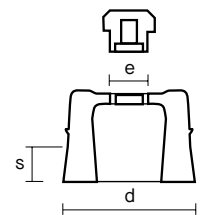
Diámetro (d)		No. of Rows	Trim Length (s)		Arbor Hole (e)	Grey Steel			Stainless	Brass	R.P.M. Max.
mm	"		mm	"		0,37mm .015"	0,50 mm .020"	0,80 mm .032"	0,50 mm .020"	0,40 mm .016"	
100	4"	2	27	1.1/16"	16-22; 5/8" - 7/8" M10-M14 W5/8" 5/8" UNC; Multi R (1)	1002J	1002K	1002L	1002Q	1002X	8.500
125	5"	2	30	1.5/32"		1252J	1252K	1252L	1252Q	1252X	6.500
150	6"	2	35	1.3/8"		1502J	1502K	1502L	1502Q	1502X	6.000

TA Twisted Knot Cup Brush No Bridle



ACTION: DEBURRING, CLEANING, SURFACE PREPARATION  
 SURFACE: STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
 TOOL: GRINDER  
 FINISHING: COARSE, MEDIUM  
 REMOVAL: WIRE  
 FLEXIBILITY:

ORDER EXAMPLE:  
 TA 90801KM14  
 1. Model: TA  
 2. Article Code: 90801K  
 3. Arbor Hole: M14



Technical Information and Applications

The twisted wire gives these models:

- Longer life.
  - Higher removal capacity.
  - Possibility to work at high speeds.
- Designed for use in portable machines.

Suitable for brushing over large areas with a higher removal capacity.

Exclusively designed threaded M14 x 2 and W5 / 8 "-11 (Code R-88) or M10 x 1.25 and M10 x 1.50 (Code R-77).

Also valid to single thread. It allows an easier attachment and increases resistance.

Cleaning and removal of welding scale, metallic structures, ship building, etc...

Diámetro (d)		No. of Rows	Trim Length (s)		Arbor Hole (e)	Steel		Stainless	R.P.M. Max.
mm	"		mm	"		0,50 mm .020"	0,80 mm .032"	0,50 mm .020"	
80	3.1/4"	1	23	7/8"	16-22; 5/8" - 7/8" M10-M14 W5/8" 5/8" UNC; Multi R (1)	90801K	90801L	90801Q	8.500
100	4"	1	25	1"		91001K	91001L	91001Q	8.500
125	5"	1	25	1"		91251K	91251L	91251Q	6.500

(1) Exclusively designed threaded M14 x 2 and W5/8" - 11 (Code R-88) or M10 x 1.25 and M10 x 1.50 (Code R-77).

## CC Control Brushes for Fine Finishing



### Control and Ergonomics over the brushing

The new JAZ Control Brushes incorporate a rigid degradable material which holds the wire preventing its opening and getting by that a much better control of the brushing surface and a higher level of ergonomics over the work.

### Total Safety

These new JAZ wire brushes avoid wire breakage therefore they offer an outstanding safety improvement over the brushing work. They also provide for a more friendly handling of the brush, protecting end users against potential pricking caused by the wire.

### Higher Performance

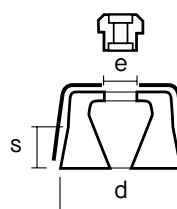
The new JAZ Control Brushes provide an excellent performance improvement comparing to the traditional wire brushes due to the avoidance of wire breakage and the resulting extension of the working life of the wires.

### Applications

Removal of rust, paint, welding scale, edges, etc.  
Specially designed for getting a fine finishing.  
Surface processing in metal, wood, rubber, etc.

Outside Diameter mm (d)		Trim Length mm (s)		Arbor Hole (e)	Code
mm	"	mm	"		
80	3.1/4"	30	1.3/16"	M14 M10 W 5/8" Multi R(1)	CCO 800H
125	5"	30	1.3/16"		CCO 1250H
80	3.1/4"	30	1.3/16"		CCT 0801L
125	5"	30	1.3/16"		CCT 1251L

ACTION: DEBURRING, CLEANING  
SURFACE: STEEL / STAINLESS / ALUMINUM  
TOOL: GRINDER  
FINISHING: COARSE  
REMOVAL: ●●●●●  
FLEXIBILITY: ●●●●●



ORDER EXAMPLE:  
CCO 0800H M14  
1.Model: CCO  
2.Article Code: 0800H  
3.Arbor Hole: M14



**Technical Information HS**

JAZ High Speed Brushes have been specially designed for low weight and high speed mini-grinders (11,000 R.P.M.). High removal capacity and efficiency at high speed performance. Comfortable use and elimination of human fatigue. Special design allowing access to angles and flexible performance on any surface.

**Applications HS**

For continuous and frequent brushing processes (ship building, metallic structures, welding, maintenance, etc.). Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8- 11 attachments (Code R88); the other is valid for M10 x 1,5 and M10 x 1,25 systems (Code R77). The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.

ACTION	DEBURRING, CLEANING,						
SURFACE	STEEL / STAINLESS / ALUMINIUM						
TOOL	MINI-GRINDER						
FINISHING	COARSE, MEDIUM						
REMOVAL	<table border="0"> <tr> <td>●●●●●</td> <td>WIRE</td> </tr> <tr> <td>●●●●●</td> <td>0,30 mm</td> </tr> <tr> <td>●●●●●</td> <td>0,50 mm</td> </tr> </table>	●●●●●	WIRE	●●●●●	0,30 mm	●●●●●	0,50 mm
●●●●●	WIRE						
●●●●●	0,30 mm						
●●●●●	0,50 mm						
FLEXIBILITY	<table border="0"> <tr> <td>●●●●●</td> <td>Knotted</td> </tr> <tr> <td>●●●●●</td> <td>Crimped</td> </tr> </table>	●●●●●	Knotted	●●●●●	Crimped		
●●●●●	Knotted						
●●●●●	Crimped						

HS High Speed Brushes Crimped



HSC



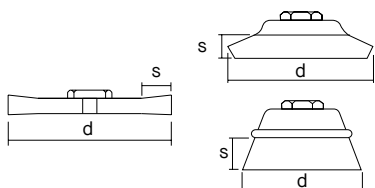
HSD



HSP

Model	Diameter (d)		Trim Length (s)		Arbor Hole (e)	Coated Steel	Stainless Steel	Coated Steel Crimped	R.P.M. Max.
	mm	"	mm	"		0,30 mm .012"	0,30 mm .012"		
HSC	75	3"	22	7/8"	M14-M10 W5/8" - 5/8" UNC Multi R (1)	0075E	0075Z		13.000
HSD	85	3.3/8"	12	1/2"		0085E	0085Z		13.000
HSD	100	4"	24	1"		0100E	0100Z		13.000
HSP	115	4.1/2"	25	1"		0115E	0115Z		13.000
HCA	75	3"	22	7/8"				0075@	13.000

(1) Exclusive design for: M14 x 2 and 5/8" - 11 (Code R-88) or for M10 x 1,5 (R-77 Code).



ORDER EXAMPLE:  
HSC 0075E M14  
1. Model: HSC  
2. Article Code: 0075E  
3. Arbor Hole: M14



## HS High Speed Brushes Knotted



HSK



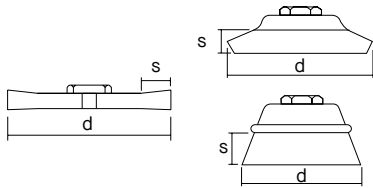
HST



HSR

Model	Diameter (d)		Trim Length (s)		Arbor Hole (e)	Grey Steel	Stainless Steel	R.P.M. Max.
	mm	"	mm	"		0,50 mm .020"	0,50 mm .020"	
HST	65	2.9/16"	20	3/4"	M14-M10 W5/8" - 5/8" UNC Multi R (1)	0065K	0065Q	15.000
HSK	100	4"	22	7/8"		0100K	0100Q	15.000
HSK	120	4.3/4"	26	1"		0120K	0120Q	12.000
HSR	115	4.1/2"	26	1"		0115K	0115Q	13.000

(1) Exclusive design for: M14 x 2 and 5/8" - 11 (Code R-88) or for M10 x 1,5 (R-77 Code).



ORDER EXAMPLE:  
 HST 0065K M14  
 1.Model: HST  
 2.Article Code: 0065K  
 3.Arbor Hole: M14



**Protection**

When the brush is working the guard acts as a protection shield that prevents not only wire projection but also protects the user against dust and particles generated at work.

**Visibility**

The guard is made of a transparent material that allows the user to see the working area.

**Flexibility**

These brushes are ideal for open surfaces. However, the flexibility and adaptability of the plastic material permits the access of the brush to difficult and more hidden areas. Direct contact with other materials will result in an ever wear of the shield. It also provides for a more friendly handling of the brush, protecting end users against potential pricking caused by the wire.

Cups with Protection Guard



Model	Type of Wire	Diameter (d)		Trim Length (s)		Thread (e)	Coated Steel		Grey Steel		Stainless Steel		Cable Coated Steel	R.P.M. Max.
		mm	"	mm	"		0,30 mm .012"	0,50 mm .020"	0,50 mm .020"	0,80 mm .032"	0,30 mm .012"	0,50 mm .020"		
TOG	Crimped	80	3.1/4"	30	1.3/16"	M10-M14 W5/8" Multi R (1)	0800E	0800H			0800Z			8.500
TOG	Crimped	100	4"	30	1.3/16"		1000E	1000H			1000Z			8.500
TOG	Crimped	125	5"	30	1.3/16"		1250E	1250H			1250Z			8.500
TTG	Twisted	80	3.1/4"	27	1.1/8"				0801K	0801L		0801Q		8.500
TTG	Twisted	100	4"	27	1.1/8"				1001K	1001L		1001Q		8.500
TTG	Twisted	125	5"	27	1.1/8"				1251K	1251K		1251Q		6.500
TCAG	Cable Crim.	100	4"	30	1.3/16"								1000@	8.500

(1) Exclusive design for M14 x 2 and W5/8" (Code R-88) or for M10 x 1,25 and M10 x 1,50 (Code R-77).

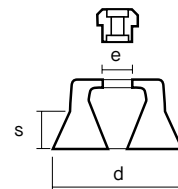


ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
  
FLEXIBILITY

DEBURRING, CLEANING  
STEEL / STAINLESS / ALUMINUM  
GRINDER  
COARSE, MEDIUM

WIRE  
 ● 0,12-0,20 mm  
 ● 0,30-0,40 mm  
 ● 0,50-0,80 mm

● Crimped  
 ● Twisted  
 ● Cable Crimped



ORDER EXAMPLE:  
TOG 1000E M14  
1.Model: TOG  
2.Article Code: 1000E  
3.Arbor Hole: M14



## High Speed Line with Protection Guard



Model	Type of Wire	Diameter (d)		Trim Length (s)		Thread (e)	Coated Steel	Grey Steel	Stainless Steel		Cable Coated Steel	R.P.M. Max.	
		mm	"	mm	"		0,30 mm .012"	0,50 mm .020"	0,30 mm .012"	0,50 mm .020"			
HSCG	Crimped	75	3"	22	7/8"	M10-M14 W5/8" Multi R (1)	0075E		0075Z			13.000	
HSTG	Twisted	65	2.9/16"	20	3/4"			0065K		0065Q			15.000
HCAG	Cable Crim.	75	3"	22	7/8"						0075@		13.000
HSDG	Crimped	100	4"	24	1"			0100E		0100Z			13.000
HSKG	Twisted	100	4"	22	7/8"				0100K		0100Q		15.000

(1) Exclusive design for M14 x 2 and W5/8" (Code R-88) or for M10 x 1,25 and M10 x 1,50 (Code R-77).

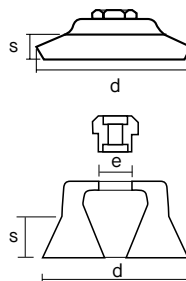
ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

DEBURRING, CLEANING  
STEEL / STAINLESS / ALUMINUM  
MINI-GRINDER  
COARSE, MEDIUM

WIRE  
0,12-0,20 mm  
0,30-0,40 mm  
0,50-0,80 mm

FLEXIBILITY  
Ondulado  
Retorcido  
Cableado

ORDER EXAMPLE:  
HSCG 0075E M14  
1. Model: HSCG  
2. Article Code: 0075E  
3. Arbor Hole: M14



## Hardware Line with Protection Guard



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
STEEL  
DRILL  
MEDIUM

REMOVAL  
FLEXIBILITY

Model	Type of Wire	Diameter (d)		Shank	Coated Steel 0,30mm / .012"		R.P.M. Max.
		mm	"		Bulk	Display	
BDEG	Crimped	75	3"	6,35 mm	7530	9548	4.500
BTEG	Crimped	75	3"	1/4"	7530	9628	4.500

ORDER EXAMPLE:  
BDEG 7530  
1. Model: BDEG  
2. Article Code: 7530

**Easy Handling**

This sort of brushes have their wires laminated. By this way they become more comfortable and safer in its handling and it avoids all kind of pinches to the user.

**Distinctive appearance**

The plastic cover can be presented in several colours giving a customized and distinctive appearance comparing to traditional wire brushes.

**Applications**

For continuous and frequent brushing processes (ship building, metallic structures, welding, maintenance, etc.). Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8- 11 attachments; the other is valid for M10 x 1,5 and M10 x 1,25 systems. The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.

**High Performance**

Laminated wire brushes have a higher performance due to less wire fractures compared to traditional wire brushes without plastic cover.

Laminated Wire Brushes Crimped / Knotted



CTP



TOP



TTP

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

DEBURRING, CLEANING

STEEL

BENCH-GRINDER, GRINDER

COARSE, MEDIUM

WIRE

● ● ● ● ● 3x0,20 mm

● ● ● ● ● 3x0,35 mm

● ● ● ● ● 0,50 mm

FLEXIBILITY

● ● ● ● ● Crimped

● ● ● ● ● Twisted

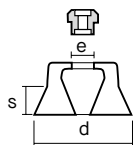
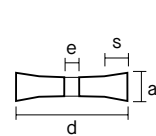
ORDER EXAMPLE:

TOP 1000W M14

1. Model: TOP

2. Article Code: 1000W

3. Arbor Hole: M14



Model	Type of Wire	Diameter (d)		Trim Length (s)		Arbor Hole (e)	Laminated Wire		R.P.M. Max.
		mm	"	mm	"		(3x0,20)+(6x0,35)	0,50	
CTP	Crimped	150	6"	20	3/4"	Multieje* M10-M14 W5/8" 5/8" UNC, Multi R(1)	1505W		6.500
TOP	Crimped	100	4"	30	1.3/6"		1000W		8.500
TTP	Knotted	100	4"	27	1.1/8"		1001Y		8.500

(1) Exclusive design for M14 x 2 and W5/8" (Code R-88) or for M10 x 1,25 and M10 x 1,5 (Code R-77).

\* Bore sizes: 13 - 16 - 20 - 22 - 26 - 30 - 50 mm [1/2" - 5/8" - 3/4" - 7/8" - 1" - 1.3/16" - 2"] Code 99.

## High Speed Line with Laminated Wire Crimped / Knotted



HSCP



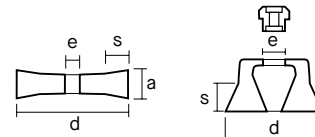
HSTP



HSRP

ACTION	DEBURRING, CLEANING								
SURFACE	<b>STEEL</b>								
TOOL	MINI-GRINDER								
FINISHING	COARSE, MEDIUM								
REMOVAL	<table border="0"> <tr> <td colspan="2">WIRE</td> </tr> <tr> <td>●●●●●●</td> <td>3x0,20 mm</td> </tr> <tr> <td>●●●●●●</td> <td>3x0,35 mm</td> </tr> <tr> <td>●●●●●●</td> <td>0,50 mm</td> </tr> </table>	WIRE		●●●●●●	3x0,20 mm	●●●●●●	3x0,35 mm	●●●●●●	0,50 mm
WIRE									
●●●●●●	3x0,20 mm								
●●●●●●	3x0,35 mm								
●●●●●●	0,50 mm								
FLEXIBILITY	<table border="0"> <tr> <td>●●●●●●</td> <td>Crimped</td> </tr> <tr> <td>●●●●●●</td> <td>Twisted</td> </tr> </table>	●●●●●●	Crimped	●●●●●●	Twisted				
●●●●●●	Crimped								
●●●●●●	Twisted								

ORDER EXAMPLE:  
HSCP 0075W M14  
1. Model: HSCP  
2. Article Code: 0075W  
3. Arbor Hole: M14



Model	Type of Wire	Diameter (d)		Trim Length (s)		Arbor Hole (e)	Laminated Wire		R.P.M. Max.
		mm	"	mm	"		(3x0,20) + (6x0,35) W	0,50 Y	
HSCP	Crimped	75	3"	22	7/8"	M14	0075W		15.000
HSTP	Knotted	65	2.9/16"	20	3/4"	M10		0065Y	
HSRP		115	4.1/2"	26	1"	W 5/8" Multi R (1)		0115Y	

(1) Exclusive design for M14 x 2 and W5/8" (Code R-88) or for M10 x 1,25 and M10 x 1,5 (Code R-77).

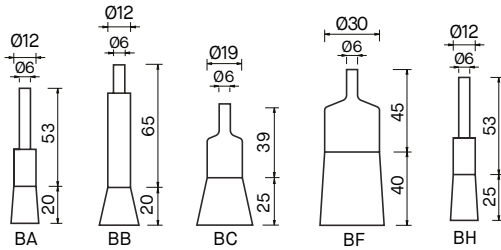


BA / BB / BC / BF / BH Plain Cut End Brush



ACTION	DEBURRING, CLEANING
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING
TOOL	DIE-GRINDER
FINISHING	COARSE, MEDIUM, FINE
REMOVAL	WIRE ●●●●● 0,12-0,20 mm ●●●●● 0,30-0,40 mm ●●●●● 0,50-0,80 mm
FLEXIBILITY	●●●●● 0,12-0,20 mm ●●●●● 0,30-0,50 mm

ORDER EXAMPLE:  
BC2600E  
1. Model: BC  
2. Article Code: 2600E



See construction drawing on page 116

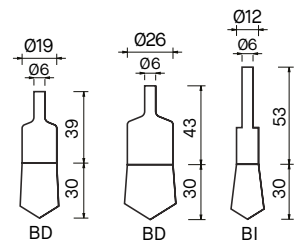
Model	Overall Diameter		Trim Length		Grey Steel	Coated Steel				Stainless		Cable Coated Steel	Brass	R.P.M. Max.
	mm	"	mm	"	0,12 mm .005"	0,20mm .008"	0,30mm .012"	0,40mm .016"	0,50mm .020"	0,20mm .008"	0,30mm .012"	0,30mm .012"	0,30mm .012"	
BA	12	1/2"	20	3/4"	1200A	1200C	1200E		1200H	1200N	1200Z	1200@	1200V	20.000
BB	12	1/2"	20	3/4"	1201A	1201C	1201E		1201H	1201N	1201Z		1201V	
BC	15	5/8"	25	1"	1500A	1500C	1500E		1500H	1500N		1500@	1500V	
BC	19	3/4"	25	1"	1900A	1900C	1900E		1900H	1900N	1900Z	1900@	1900V	
BC	26	1"	30	1.3/16"	2600A	2600C	2600E		2600H	2600N	2600Z	2600@	2600V	
BF	30	1.3/16"	40	1.5/8"	3000A	3000C	3000E		3000H		3000Z		3000V	
BH	12	1/2"	25	1"				1225G						

BD / BI Angle Cut End Brush



ACTION	DEBURRING, CLEANING
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING
TOOL	DIE-GRINDER
FINISHING	COARSE, MEDIUM, FINE
REMOVAL	WIRE ●●●●● 0,12-0,20 mm ●●●●● 0,30-0,40 mm ●●●●● 0,50-0,80 mm
FLEXIBILITY	●●●●● 0,12-0,20 mm ●●●●● 0,30-0,50 mm

ORDER EXAMPLE:  
BD1901E  
1. Model: BD  
2. Article Code: 1901E



Model	Overall Diameter		Trim Length		Grey Steel	Coated Steel				Stainless	Brass	R.P.M. Max.
	mm	"	mm	"	0,12 mm .005"	0,20mm .008"	0,30mm .012"	0,40mm .016"	0,50mm .020"	0,30mm .012"	0,30mm .012"	
BD	19	3/4"	30	1.3/16"	1901A	1901C	1901E		1901H	1901Z	1901V	20.000
BD	26	1"	30	1.3/16"	2601A	2601C	2601E		2601H	2601Z	2601V	
BI	12	1/2"	30	1.3/16"				1230G				

## BE Round Cut End Brush



BE

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

FLEXIBILITY

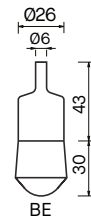
DEBURRING, CLEANING  
**STEEL / STAINLESS / ALUMINUM / NON-SPARKING**  
DIE-GRINDER  
COARSE, MEDIUM, FINE

		WIRE	
●●●●●	●●●●●	0,12-0,20 mm	●●●●●
●●●●●	●●●●●	0,30-0,40 mm	●●●●●
●●●●●	●●●●●	0,50-0,80 mm	●●●●●
●●●●●	●●●●●	0,12-0,20 mm	●●●●●
●●●●●	●●●●●	0,30-0,50 mm	●●●●●

ORDER EXAMPLE:  
BE2602E  
1. Model: BE  
2. Article Code: 2602E



Model	Overall Diameter		Trim Length		Grey Steel	Coated Steel				Stainless	Brass	R.P.M. Max.
	mm	"	mm	"	0,12 mm .005"	0,20mm .008"	0,30mm .012"	0,50mm .020"	0,30mm .012"	0,30mm .012"		
BE	26	1"	30	1.3/16"	2602A	2602C	2602E	2602H	2602Z	2602V	20.000	



## BR Twist Knot End Brush



BR

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

FLEXIBILITY

DEBURRING, CLEANING  
**STEEL / STAINLESS / ALUMINUM / NON-SPARKING**  
DIE-GRINDER  
COARSE, MEDIUM, FINE

		WIRE	
●●●●●	●●●●●	0,30-0,40 mm	●●●●●
●●●●●	●●●●●	0,50-0,80 mm	●●●●●
●●●●●	●●●●●	0,12-0,20 mm	●●●●●
●●●●●	●●●●●	0,30-0,50 mm	●●●●●

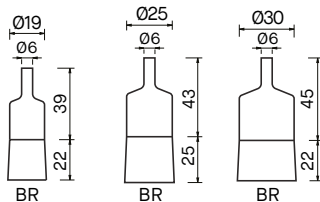
ORDER EXAMPLE:  
BR1900Z  
1. Model: BR  
2. Article Code: 1900Z



Model	Overall Diameter		Trim Length		Grey Steel		Stainless		R.P.M. Max.
	mm	"	mm	"	0,37mm .015"	0,50mm .020"	0,30mm .012"	0,50mm .020"	
BR	19	3/4"	22	7/8"	1900J	1900K	1900Z	1900Q	20.000
BR	25	1"	25	1"	2500J	2500K	2500Z	2500Q	
BR	30	1.3/16"	22	7/8"	3000J	3000K	3000Z	3000Q	

See construction drawing on page 116

Possibility to laminate the outside cup and avoid sparks.



BCP Special Cut End Brush



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
STEEL / STAINLESS / ALUMINUM  
DIE-GRINDER  
COARSE  
WIRE  
0,50 mm  
0,50 mm

ORDER EXAMPLE:  
BCP4000K  
1.Model: BCP  
2.Article Code: 4000K

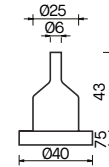
Technical Information

Shape and dimensions for use in difficult places to access, holes, corners, etc.  
Used on portable or fixed drills with chuck.

Applications

Removal of edges, scale, paint, rust, rubber-metal pieces etc.  
Dies, tubes, engines, pistons, etc.

Model	Overall Diameter		Grey Steel	Stainless	R.P.M. Max.
	mm	"	0,50mm .020"	0,50mm .020"	
BCP	40	1.5/8"	4000K	4000Q	15.000



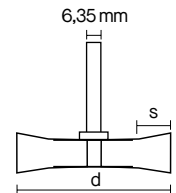
CAM with Shank



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
STEEL / STAINLESS / ALUMINUM  
DIE-GRINDER  
COARSE  
WIRE  
0,37 mm  
0,50 mm

ORDER EXAMPLE:  
CAM 8000J  
1.Model: CAM  
2.Article Code: 8000J



Model	Diameter (d)		Trim Length (s)		Face Width (a)		Grey Steel		Stainless	R.P.M. Max.
	mm	"	mm	"	mm	"	0,37mm .015"	0,50mm .020"	0,50mm .020"	
CAM	80	3.1/4"	15	5/8"	10	3/8"	8000J	8000K	8000Q	20.000
CAM	100	4"	25	1"	10	3/8"	1000J	1000K	1000Q	15.000

## BEC End Brush



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL / STAINLESS / ALUMINUM**  
DIE-GRINDER  
COARSE, MEDIUM, FINE  
WIRE  
●●●●● 0,12-0,20 mm  
●●●●● 0,30 mm  
●●●●● 0,12-0,20 mm  
●●●●● 0,30 mm

ORDER EXAMPLE:  
BEC 7000R  
1.Model: BEC  
2.Article Code: 7000R



Shape and dimensions for use in difficult places to access, holes, corners, etc. Used on portable or fixed drills with chuck.

Model	Overall Diameter (d)		Grey Steel				Stainless			R.P.M.
	mm	"	0,12 mm .005"	0,20 mm .008"	0,30 mm .012"	0,50 mm .020"	0,20 mm .008"	0,30 mm .012"	0,50 mm .020"	Máx.
BEC	26	1"	2600A	2600C	2600E	2600K	2600N	2600Z	2600Q	20.000
BEC	32	1.1/4"	3200A	3200C	3200E	3200K	3200N	3200Z	3200Q	20.000
BEC	38	1.1/2"	3800A	3800C	3800E	3800K	3800N	3800Z	3800Q	20.000
BEC	51	2"	5100A	5100C	5100E	5100K	5100N	5100Z	5100Q	20.000
BEC	70	2.3/4"	7000A	7000C	7000E	7000K	7000N	7000Z	7000Q	20.000
BEC	75	3"	7500A	7500C	7500E	7500K	7500N	7500Z	7500Q	20.000
BEC	100	4"	1000A	1000C	1000E	1000K	1000N	1000Z	1000Q	20.000

## BOL End Brush



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL / STAINLESS / ALUMINUM**  
DIE-GRINDER  
COARSE, MEDIUM, FINE  
WIRE  
●●●●● 0,20 mm  
●●●●● 0,30 mm  
●●●●● 0,20 mm  
●●●●● 0,30 mm

ORDER EXAMPLE:  
BOL 3012E  
1.Model: BOL  
2.Article Code: 3012E

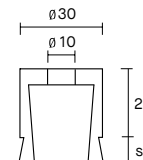


### Technical Information

The brush BOL, has a central bore to introduce another tool inside, drills, reamers or even other brush models that can be used at the same time as a single tool.

The BOL brush can perform two operations at the same time, increasing productivity and reducing costs.

Model	Overall Diameter		Trim Length (s)		Arbor Hole		Coated Steel		Stainless		R.P.M.
	mm	"	mm	"	mm	"	0,20 mm .008"	0,30 mm .012"	0,20 mm .008"	0,30 mm .012"	
BOL	30	1.3/16"	12	1/2"	10	3/8"	3012C	3012E	3012N	3012Z	10.000



## BP Pencil Brushes End Brush

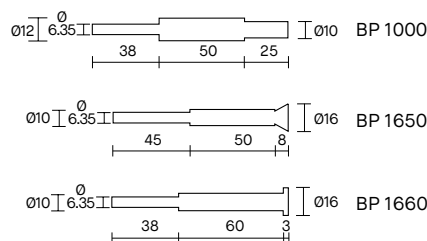


BP 1000 BP 1650 BP 1660

### Technical Information

The elongated shape, permits to work in areas of difficult access.

- Three models available
- For small slots
- For flat surfaces
- For working in corners



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL / STAINLESS / ALUMINUM**  
DIE-GRINDER  
COARSE, MEDIUM  
WIRE  
●●●●● 0,37 mm  
●●●●● 0,50-0,80 mm

ORDER EXAMPLE:  
BP 1000  
1.Model: BP  
2.Article Code: 1000

Model	Overall Diameter (d)		Code	Trim Length (s)	
	mm	"		mm	"
BP	10	3/8"	BP 1000	25	1"
BP	16	5/8"	BP 1650	8	3"
BP	16	5/8"	BP 1660	3,25	3/32"

**BTER Twist Knot cup with Shank of 6mm (1/4")**



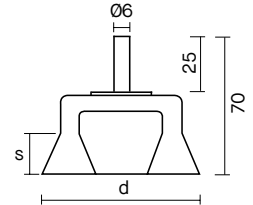
**Technical Information**

By adding a shank to the new BTER we provide the advantage of a brush with high removal capacity using a conventional drill chuck.

ACTION: DEBURRING, CLEANING  
 SURFACE: STEEL / STAINLESS / ALUMINUM  
 TOOL: DRILL  
 FINISHING: COARSE  
 REMOVAL: ●●●●●  
 FLEXIBILITY: ●●●●●

ORDER EXAMPLE:  
 BTER 0065K  
 1.Model: BTER  
 2.Article Code: 0065K

Model	Ext. Diameter (d)		Trim Length(s)		Code
	mm	"	mm	"	
BTER	65	2.3/4"	20	11/16"	BTER 0065K



**CDE Small Industrial Wheel with 6 mm Shank (1/4")**

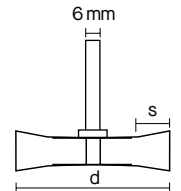


**Technical Information**

For drills with a chuck of 6 mm.  
 Removal of rust, paint, scale, edges or any kind of adherence.  
 Inside cleaning of tubes, dies, holes, etc.

ACTION: DEBURRING, CLEANING  
 SURFACE: STEEL / STAINLESS / ALUMINUM / NON-SPARKING  
 TOOL: DIE-GRINDER  
 FINISHING: COARSE, MEDIUM, FINE  
 REMOVAL: ●●●●● (WIRE) ●●●●● (0,20 mm) ●●●●● (0,30 mm)  
 FLEXIBILITY: ●●●●● (0,20 mm) ●●●●● (0,30 mm)

ORDER EXAMPLE:  
 CDE 7500E  
 1.Model: CDE  
 2.Article Code: 7500E



Diameter (d)		Trim Length (s)		Face Width(a)		Coated Steel		Stainless		Brass	R.P.M. Max.
mm	"	mm	"	mm	"	0,20 mm .008"	0,30 mm .012"	0,20mm .008"	0,30mm .012"	0,30mm .012"	
30	1.3/16"	4	5/32"	10	3/8"	3000C		3000N		3000V	25.000
30	1.3/16"	4	5/32"	15	5/8"	3015C		3015N			
40	1.9/16"	9	3/8"	10	3/8"	4000C		4000N		4000V	
40	1.9/16"	9	3/8"	15	5/8"	4015C		4015N			
50	2"	10,5	13/32"	10	3/8"	5000C		5000N		5000V	
50	2"	10,5	13/32"	15	5/8"	5015C		5015N			
50	2"	10,5	13/32"	20	3/4"	5020C		5020N			
50	2"	10,5	13/32"	25	1"	5025C		5025N			
60	2.3/8"	16	5/8"	10	3/8"		6010E		6010Z		
60	2.3/8"	16	5/8"	15	5/8"		6000E		6000Z	6000V	
60	2.3/8"	16	5/8"	20	3/4"		6020E		6020Z		
60	2.3/8"	16	5/8"	25	1"		6025E		6025Z		
75	3"	23	7/8"	10	3/8"		7510E		7510Z		
75	3"	23	7/8"	15	5/8"		7500E		7500Z	7500V	
75	3"	23	7/8"	20	3/4"		7520E		7520Z		
75	3"	23	7/8"	25	1"		7525E		7525Z		
100	4"	30	1.3/16"	15	5/8"		1000E		1000Z	1000V	



## BS Wire Brushes for Rotating Parts



### Technical Information

Specially designed for Rotating Parts. Unique in the industry. No need to remove the piece for brushing it.

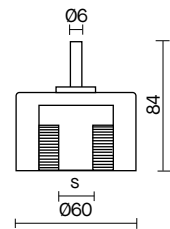
### Applications

Removal of burrs, rust, paint, etc. Ideal for maintenance works. Available in different diameters and wire types.

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, CLEANING  
**STEEL** / STAINLESS / ALUMINUM  
DRILL  
MEDIUM

ORDER EXAMPLE:  
BS 6020E  
1.Model: BS  
2.Article Code: 6020E

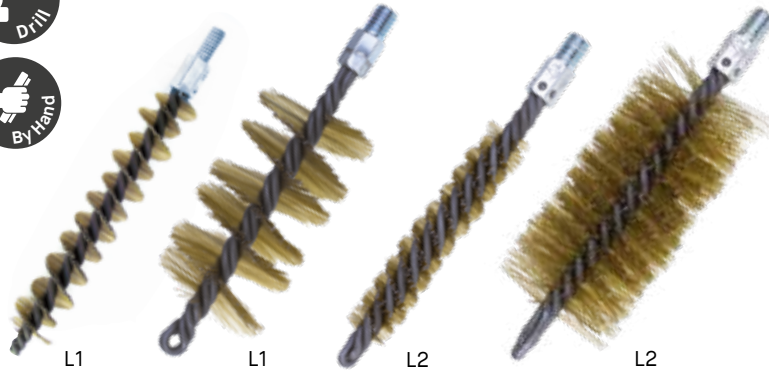


Model	Diameter		Diameter Piece		Diameter Spike		Coated Steel	Stainless Steel	R.P.M. Max.
	mm	"	mm	"	mm	"	0.3 mm / .012"	0.3 mm / .012"	
BS	60	2.3/8"	10	3/8"	6	1/4"	BS6010E	BS6010Z	4.500
			12	1/2"			BS6012E	BS6012Z	
			14	9/16"			BS6014E	BS6014Z	
			16	5/8"			BS6016E	BS6016Z	
			18	11/16"			BS6018E	BS6018Z	
			20	3/4"			BS6020E	BS6020Z	
			22	7/8"			BS6022E	BS6022Z	
			24	15/16"			BS6024E	BS6024Z	
			26	1"			BS6026E	BS6026Z	
			28	1.1/8"			BS6028E	BS6028Z	
			30	1.3/16"			BS6030E	BS6030Z	



L1 / L2 Rigid Tubebrushes

L1 with Simple Spiral, L2 with Double Spiral



Technical Information

They are used manually or fastened to portable or fixed machines. Fastened by the screw at one end of the brush.

Applications

Removal of rust, residues and adhesions inside tubes and holes (ships, sugar factories, refineries, heaters, shock absorber factories, etc.). Cleaning of threaded holes.

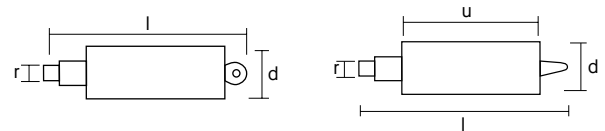
See construction drawing on page 117



Stick of 625 mm (25"), thread M6  
Code: VAR 0625 M6

ACTION	DEBURRING, CLEANING	
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING	
TOOL	DRILL, BY HAND	
FINISHING	MEDIUM, FINE	
REMOVAL		WIRE 0,20-0,25 mm 0,30-0,40 mm 0,20-0,25 mm 0,30-0,40 mm
FLEXIBILITY		

ORDER EXAMPLE:  
L1 2001D  
1.Model: L1  
2.Article Code: 2001D



Outside Diameter (d)		Total Length(l)		Usable Length (u)		Standard Nipple (r)	L1						L2
mm	"	mm	"	mm	"		Coated Steel		Brass		Stainless		Steel
							0,25 mm .010"	0,40 mm .016"	0,30 mm .012"	0,40 mm .016"	0,20 mm .008"	0,40 mm .016"	0,40 mm .016"
10	3/8"	140	5.1/2"	90	4.3/8"	W 1/4" M6H NPT 1/8"	1001D		1001V		1001N		
12	1/2"	140	5.1/2"	90	4.3/8"		1201D		1201V				
13	1/2"	140	5.1/2"	90	4.3/8"		1301D		1301V				
14	9/16"	140	5.1/2"	90	4.3/8"		1401D		1401V				
15	19/32"	140	5.1/2"	90	4.3/8"		1501D		1501V		1501N		
16	5/8"	140	5.1/2"	90	4.3/8"		1601D		1601V				
18	11/16"	140	5.1/2"	90	4.3/8"		1801D		1801V				
20	3/4"	140	5.1/2"	90	4.3/8"		2001D		2001V		2001N		
25	1"	190	7.1/2"	120	4.3/4"	W 1/2" M6H NPT 1/4"		2501G		2501X		2501P	2502G
30	1.3/16"	190	7.1/2"	120	4.3/4"			3001G		3001X		3001P	3002G
35	1.3/8"	190	7.1/2"	120	4.3/4"			3501G					
40	1.5/8"	190	7.1/2"	120	4.3/4"			4001G				4001P	4002G
45	1.3/4"	190	7.1/2"	120	4.3/4"			4501G					
50	2"	190	7.1/2"	120	4.3/4"			5001G		5001X		5001P	5002G
55	2.5/32"	190	7.1/2"	120	4.3/4"			5501G					
60	2.3/8"	190	7.1/2"	120	4.3/4"			6001G				6001P	6002G
65	2.9/16"	190	7.1/2"	120	4.3/4"			6501G					
70	2.3/4"	190	7.1/2"	120	4.3/4"			7001G		7001X		7001P	7002G
75	3"	190	7.1/2"	120	4.3/4"			7501G					
80	3.5/32"	190	7.1/2"	120	4.3/4"			8001G					
90	3.9/16"	190	7.1/2"	120	4.3/4"			9001G					
100	4"	190	7.1/2"	120	4.3/4"			0101G					
125	5"	190	7.1/2"	120	4.3/4"			0251G					
150	6"	190	7.1/2"	120	4.3/4"		0501G						

L1 Any diameter between 10mm (3/8") and 250mm (10") may be produced on request.  
L2 Any diameter between 20mm (3/4") and 250mm (10") may be produced on request.  
L2 Tubebrushes. The range L2 is available in wire diameters, different from the attached chart. You can make us an enquiry.

## L1F Flexible Tubebrushes

### L1 with Simple Spiral



#### Technical Information

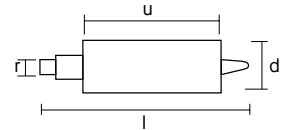
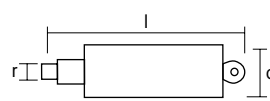
They are used manually or fastened to portable or fixed machines.  
Fastened by the screw at one end of the brush.

#### Applications

Removal of rust, residues and adherences inside tubes and holes (ships, sugar factories, refineries, heaters, shock absorber factories, etc.).  
Cleaning of threaded holes.

ACTION	DEBURRING, CLEANING																									
SURFACE	STEEL / STAINLESS / ALUMINUM																									
TOOL	DRILL, BY HAND																									
FINISHING	MEDIUM, FINE																									
REMOVAL	<table border="0"> <tr> <td>●</td><td>●</td><td>●</td><td>○</td><td>WIRE</td> </tr> <tr> <td>●</td><td>●</td><td>●</td><td>○</td><td>0,20-0,25 mm</td> </tr> <tr> <td>●</td><td>●</td><td>●</td><td>○</td><td>0,40 mm</td> </tr> <tr> <td>●</td><td>●</td><td>●</td><td>○</td><td>0,20-0,25 mm</td> </tr> <tr> <td>●</td><td>●</td><td>●</td><td>○</td><td>0,40 mm</td> </tr> </table>	●	●	●	○	WIRE	●	●	●	○	0,20-0,25 mm	●	●	●	○	0,40 mm	●	●	●	○	0,20-0,25 mm	●	●	●	○	0,40 mm
●	●	●	○	WIRE																						
●	●	●	○	0,20-0,25 mm																						
●	●	●	○	0,40 mm																						
●	●	●	○	0,20-0,25 mm																						
●	●	●	○	0,40 mm																						
FLEXIBILITY																										

ORDER EXAMPLE:  
L1F 2001D  
1.Model: L1F  
2.Article Code: 2001D



Outside Diameter(d)		Total Length(l)		Usable Length (u)		Standard Nipple (r)	L1		L1		
mm	"	mm	"	mm	"		Coated Steel		Stainless		
							0,25 mm .010"	0,40 mm .016"	0,20 mm .008"	0,40 mm .016"	
10	3/8"	140	5.1/2"	90	4.3/8"	W 1/4"	1001D		1001N		
12	1/2"	140	5.1/2"	90	4.3/8"		1201D				
13	1/2"	140	5.1/2"	90	4.3/8"		1301D				
14	9/16"	140	5.1/2"	90	4.3/8"		1401D				
15	19/32"	140	5.1/2"	90	4.3/8"		1501D		1501N		
16	5/8"	140	5.1/2"	90	4.3/8"		1601D				
18	11/16"	140	5.1/2"	90	4.3/8"		1801D				
20	3/4"	140	5.1/2"	90	4.3/8"		2001D		2001N		
25	1"	190	7.1/2"	120	4.3/4"		W 1/2"		2501G		2501P
30	1.3/16"	190	7.1/2"	120	4.3/4"				3001G		3001P
35	1.3/8"	190	7.1/2"	120	4.3/4"			3501G		3501P	
40	1.5/8"	190	7.1/2"	120	4.3/4"			4001G		4001P	
45	1.3/4"	190	7.1/2"	120	4.3/4"			4501G		4501P	
50	2"	190	7.1/2"	120	4.3/4"			5001G		5001P	
55	2.5/32"	190	7.1/2"	120	4.3/4"			5501G		5501P	
60	2.3/8"	190	7.1/2"	120	4.3/4"			6001G		6001P	
70	2.3/4"	190	7.1/2"	120	4.3/4"			7001G		7001P	
75	3"	190	7.1/2"	120	4.3/4"			7501G			
80	3.5/32"	190	7.1/2"	120	4.3/4"		8001G				
90	3.9/16"	190	7.1/2"	120	4.3/4"		9001G				
100	4"	190	7.1/2"	120	4.3/4"		0101G				

L1 Any diameter between 10mm (3/8") and 250mm (10") may be produced on request.

## LB Hair Bottle Cleaner



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

SWEEPING  
STEEL / STAINLESS / ALUMINUM / NON-SPARKING / WOOD  
BY HAND  
NEUTRAL  
●●●●●  
●●●●●

ORDER EXAMPLE:  
LB 0070  
1.Model: LB  
2.Article Code: 0070

Ext. Diameter		Total Length		Useful Length		Item
mm	"	mm	"	mm	"	
50	2"	320	12.3/4"	100	4"	LB 0050
60	2.3/8"	320	12.3/4"	100	4"	LB 0060
70	2.3/4"	380	12.3/4"	100	4"	LB 0070

If you need different diameters, contact us.

## LR Hair Radiator Cleaner



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

SWEEPING  
STEEL / STAINLESS / ALUMINUM / NON-SPARKING / WOOD  
BY HAND  
NEUTRAL  
●●●●●  
●●●●●

ORDER EXAMPLE:  
LR 0075  
1.Model: LR  
2.Article Code: 0075

Ext. Diameter		Total Length		Useful Length		Item
mm	"	mm	"	mm	"	
75	3"	700	28"	120	4.3/4"	LR 0075

If you need different diameters, contact us.

## LNY Nylon Spiral



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

SWEEPING  
STEEL / STAINLESS / ALUMINUM / NON-SPARKING / WOOD  
BY HAND  
NEUTRAL  
●●●●●  
●●●●●

ORDER EXAMPLE:  
LNY 0012  
1.Model: LNY  
2.Article Code: 0012

Ext. Diameter		Total Length		Useful Length		Item
mm	"	mm	"	mm	"	
6	2/8"	310	12.3/8"	100	4"	LNY 0006
8	5/16"	310	12.3/8"	100	4"	LNY 0008
10	3/8"	310	12.3/8"	100	4"	LNY 0010
12	1/2"	310	12.3/8"	100	4"	LNY 0012
15	5/8"	310	12.3/8"	100	4"	LNY 0015
20	3/4"	310	12.3/8"	100	4"	LNY 0020
25	1"	310	12.3/8"	100	4"	LNY 0025
30	1.1/8"	310	12.3/8"	100	4"	LNY 0030

If you need different diameters, contact us.

## LAC Steel spiral



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

SWEeping  
**STEEL**  
BY HAND, DRILL  
NEUTRAL  
● ● ● ● ● ●

ORDER EXAMPLE:  
LAC 0010  
1.Model: LAC  
2.Article Code: 0010

Ext. Diameter		Total Length		Useful Length		Item
mm	"	mm	"	mm	"	
6	2/8"	310	12.3/8"	100	4"	LAC 0006
8	5/16"	310	12.3/8"	100	4"	LAC 0008
10	3/8"	310	12.3/8"	100	4"	LAC 0010
12	1/2"	310	12.3/8"	100	4"	LAC 0012
15	5/8"	310	12.3/8"	100	4"	LAC 0015
20	3/4"	310	12.3/8"	100	4"	LAC 0020
25	1"	310	12.3/8"	100	4"	LAC 0025
30	1.1/8"	310	12.3/8"	100	4"	LAC 0030



If you need different diameters, contact us.

## LTON Brass spiral



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

SWEeping  
**NON-SPARKING / WOOD**  
BY HAND, DRILL  
NEUTRAL  
● ● ● ● ● ●

ORDER EXAMPLE:  
LTON 0010  
1.Model: LTON  
2.Article Code: 0010

Ext. Diameter		Total Length		Useful Length		Item
mm	"	mm	"	mm	"	
6	2/8"	310	12.3/8"	100	4"	LTON 0006
8	5/16"	310	12.3/8"	100	4"	LTON 0008
10	3/8"	310	12.3/8"	100	4"	LTON 0010
12	1/2"	310	12.3/8"	100	4"	LTON 0012
15	5/8"	310	12.3/8"	100	4"	LTON 0015
20	3/4"	310	12.3/8"	100	4"	LTON 0020
25	1"	310	12.3/8"	100	4"	LTON0025
30	1.1/8"	310	12.3/8"	100	4"	LTON 0030



If you need different diameters, contact us.

## HSK Wire wheel for brushcutter machines



### Technical Information & Applications

It is recommended to be used with any brushcutter with engine of 1.6 HP (25cc - 1.53 cu. In.) onward.

Supplied with adapter for 1" and 5/8" bore.

Read and follow the safety instructions attached to the brush when using it with the brushcutter.

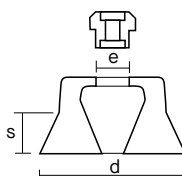
Its use avoids the use of chemical products and herbicides, banned in many countries

Ext. Diameter (d)		Trim Length (s)		Arbor Hole (e)		Bore Diameter		Grey Steel	R.P.M. Max.
mm	"	mm	"	mm	"	mm	"	0,50 mm .020"	
175	7	50	2	22	7/8	25,4-15	1- 5/8	HSK0175	6.500

ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

CLEANING  
CONCRETE, CEMENT, STONE  
BRUSHCUTTER  
COARSE  
● ● ● ● ● ●

ORDER EXAMPLE:  
HSK 0175  
1. Model: HSK  
2. Article Code: 0175K  
3. Arbor Hole: 22



## VIP Universal Hand Brush Plastic Handle

**Technical Information**

Special design offering:

- Long working life.
- Maximum removal capacity.

High wire density for a higher brushing pressure.  
Narrow face to allow easy access into slots (8 mm).

**Applications**

Welding: cleaning and scale removal. Removal of rust, paint and any kind of adherence. Appropriate for household and DIY due to its universal and comfortable use.

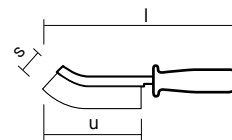
**Exhibitor Box**

Packing of 24 pieces can be turned into an exhibitor box by an easy assembly.

ACTION	CLEANING
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING
TOOL	BY HAND
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ● ● ● ● ●



ORDER EXAMPLE:  
VIP 1000F  
1.Model: VIP  
2..Article Code: 1000F



Total Length (l)		Usable Length (u)		Face Width		Trim Length (s)		Coated Steel	Stainless	Brass	Pieces per Box
mm	"	mm	"	mm	"	mm	"	0,35 mm .014"	0,30mm .012"	0,30mm .012"	
255	10"	123	5"	16	5/8"	28	1.1/8"	1000F	1000Z	1000V	

**Applications MS, MF, MFG**

Removal of sand on forged pieces.  
Stone polishing.  
Obtention of rustic appearance on wood.  
Removal of rust, paint and any kind of adherence.

**MS European Type Wooden Handle**



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
  
FLEXIBILITY

CLEANING  
**STEEL / STAINLESS / ALUMINUM / NON-SPARKING**  
BY HAND  
COARSE, MEDIUM WIRE  
●●●●●● rounded  
●●●●●● flat  
●●●●●● rounded  
●●●●●● flat

ORDER EXAMPLE:  
MS 4000G  
1.Model: MS  
2.Article Code: 4000G



No. of Rows	No. of Knots	Total Length (l)		Trim Length (s)		Coated Steel	Grey Steel	Brass	Stainless	Pieces per Box
		mm	"	mm	"	Rounded	Flat			
3	40	290	11.3/8"	30	1.3/16"	3000G 0,40mm .016"	3000T 0,9x0,50mm / .040x.020"	3000X 0,40mm .016"	3000P 0,40mm .016"	30
4	50	290	11.3/8"	30	1.3/16"	4000G	4000T	4000X	4000P	24
5	64	290	11.3/8"	30	1.3/16"	5000G	5000T	5000X	5000P	20

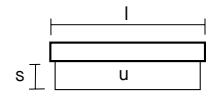
**MF Straight Back Wooden Handle**



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
  
FLEXIBILITY

CLEANING  
**STEEL / STAINLESS / ALUMINUM / NON-SPARKING**  
BY HAND  
COARSE, MEDIUM WIRE  
●●●●●● rounded  
●●●●●● flat  
●●●●●● rounded  
●●●●●● flat

ORDER EXAMPLE:  
MF 6035G  
1.Model: MF  
2.Article Code: 6035G



No. of Rows	No. of Knots	Total Length (l)		Trim Length (s)		Coated Steel	Grey Steel	Brass	Stainless	Pieces per Box
		mm	"	mm	"	Rounded	Flat			
5	60	180	7"	30	1.3/16"	5030G 0,40mm .016"	5030T 0,9x0,50mm / .040x.020"	5030X 0,40mm .016"	5030P 0,40mm .016"	30
6	80	200	8"	35	1.3/8"	6035G	6035T	6035X	6035P	24
6	80	200	8"	50	2"	6050G	6050T			20

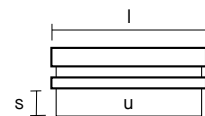
**MFG Straight Back Adjustable Wooden Handle**



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

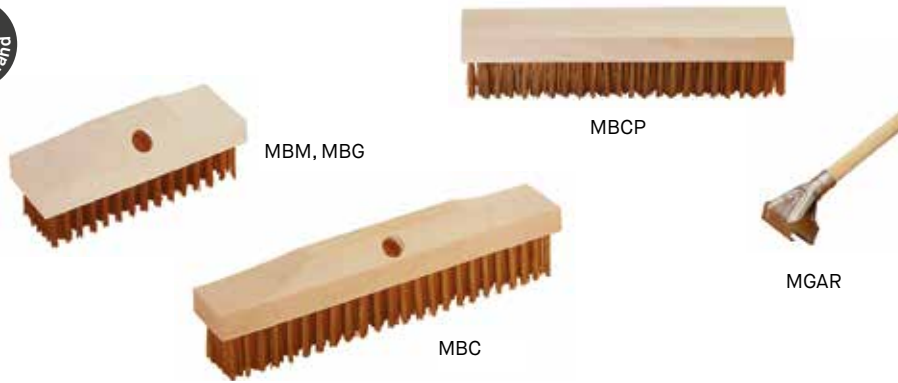
CLEANING  
**STEEL**  
BY HAND  
MEDIUM  
●●●●●● rounded  
●●●●●● flat

ORDER EXAMPLE:  
MFG 6000G  
1.Model: MFG  
2.Article Code: 6000G



No. of Rows	No. of Knots	Total Length (l)		Trim Length (s)		Coated Steel	Pieces per Box
		mm	"	mm	"	Rounded	
6	80	200	8"	50	2"	6000G 0,40mm .016"	20

Wire and Sweeping Brooms Coated Steel Wire

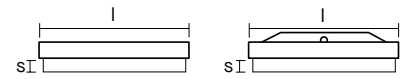


ACTION	STEEL
SURFACE	BY HAND
TOOL	MEDIUM
FINISHING	●●●●●
REMOVAL	●●●●●
FLEXIBILITY	●●●●●

ORDER EXAMPLE:  
MBM 6022G  
1.Model: MBM  
2.Article Code: 6022G

Applications MBM, MBG, MBC, MBCP

Hard sweeping of streets, civil works, ships, stables, factory shops, industrial floors, etc.



Model	No. of Rows	No. of Knots	Total Length (l)		Wood Width		Trim Length (s)		Handle Hole		Coated Steel	Pieces per Box
			mm	"	mm	"	mm	"	mm	"	Rounded 0,40mm .016"	
MBM	6	80	205	8.1/16"	70	2.3/4"	35	1.3/8"	22	7/8"	6022G	12
MBG	7	109	205	8.1/16"	70	2.3/4"	35	1.3/8"	22	7/8"	7022G	12
MBC	7	171	360	14.5/32"	65	2.9/16"	50	2"	22	7/8"	7024G	12
MBCP	7	171	360	14.5/32"	65	2.9/16"	50	2"	Flat wood		7000G	12

Accesories for Brooms

**Palo 2200** Cylindrical stick of 22 mm. (7/8") and a total length of 1.150 mm. (45.1/4").

**Palo 2800** Reinforced Broom brace, with stick of 28 mm. (1.1/8") and a total length of 1.200 mm. (47.1/4").

**MGAR 2820** Cylindrical stick of 28 mm. (1.1/8") and a total length of 1,150 mm. (15.1/4").

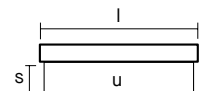
**MGAR 2800** Loose Reinforced broom brace.

Sweeping Broom Plastic Fiber



ACTION	SWEeping
SURFACE	STEEL / STAINLESS / ALUMINUM / NON-SPARKING / WOOD
TOOL	BY HAND
FINISHING	NEUTRAL
REMOVAL	●●●●●
FLEXIBILITY	●●●●●

ORDER EXAMPLE:  
MBB 5000  
1.Model: MBB  
2.Article Code: 5000



Model	Material	Density	Accessories	Dimensions (l)		Trim Length (s)		Code	Pieces per Box
				mm	"	mm	"		
MBB	Plastic Fiber	Medium		500 x 60	20 x 2.3/8"	95	3.3/4"	5000	24
MBB	Plastic Fiber	Medium	Stick & Broom brace	500 x 60	20 x 2.3/8"	95	3.3/4"	5028	24
MPRO	Proex	High		500 x 60	20 x 2.3/8"	85	3.3/8"	3000	18
MPRO	Proex	High	Stick & Broom brace	500 x 60	20 x 2.3/8"	85	3.3/8"	3028	18



Various Hand Brushes Steel, Brass, Mexil, Hair



**Applications.** Cleaning of:

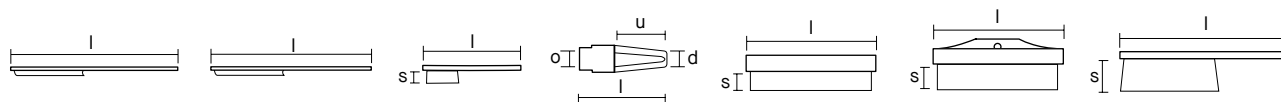
- Files & Tools (MC).
- Jewelry, electronics, craftsmanship, leather (clothes & shoes) (MJ).
- Spark-plug (MLB).
- Battery terminals (MPB).
- Machines, work stations, furniture, home, car (MP).
- Scrubbing of ship floors, terraces, pools, bathrooms (MX, MBX).

**Sectors**

Ship Maintenance, Electronics, Jewelry, Industrial Maintenance, Car (Battery), Household.

ACTION	SWEEEPING
SURFACE	STEEL / STAINLESS / ALUMINIUM NON-SPARKING / MADERA
TOOL	BY HAND
FINISHING	MEDIUM, FINE, NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL

ORDER EXAMPLE:  
MC 1001  
1.Model: MC  
2.Article Code: 1001



Model	No. of Rows	Total Length (l)		Width (d)		Trim Length (s)		Hole (o)		Material	Code	Pieces per Box
		mm	"	mm	"	mm	"	mm	"			
MC		190	7.1/2"	55	2.5/32"					Steel	1001	24
MJ	4	230	9"	20	3/4"	20	3/4"			Brass	4015	36
MJ	5	230	9"	24	15/16"	20	3/4"			Brass	5015	24
MLB		135	5.5/16"	15	5/8"	15	5/8"			Steel	4515	12
MLB		135	5.5/16"	15	5/8"	15	5/8"			Brass	4530	12
MLB		135	5.5/16"	15	5/8"	15	5/8"			Nylon	4520	12
MPB		120	4.3/4"	25	1"			13	1/2"	Steel	1000	12
MX	4	175	7"	50	2"	25	1"			Mexil	4900	20
MBX	5	220	8.3/4"	60	2.3/8"	30	1.3/16"	22	7/8"	Mexil	5100	12
MP	5	280	11"	46	1.3/4"	50	2"			Hair	5000	24



**Applications BDER y BTE**

Removal of rust, paint and any kind of adherence in gates, balconies, cars, etc.  
Cleaning of threaded holes...

**BDER Wheel DIY with Shank of 6mm (1/4")**



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

DEBURRING, CLEANING  
**STEEL**  
DRILL  
MEDIUM, FINE

WIRE  
0,20 mm  
0,30 mm  
0,20 mm  
0,30 mm

FLEXIBILITY

ORDER EXAMPLE:  
BDER 7530  
1.Model: BDER  
2.Article Code: 7530

Model	Ext. Diameter		Wire			Packing		Pieces per Box
	mm	"	Type	mm	"	Bulk	Display	
BDER	50	2"	Coarse	0,30	.012"	5030	9348	24
BDER	50	2"	Fine	0,20	.008"	5020	9349	24
BDER	60	2.3/8"	Coarse	0,30	.012"	6030	9448	24
BDER	60	2.3/8"	Fine	0,20	.008"	6020	9449	24
BDER	75	3"	Coarse	0,30	.012"	7530	9548	24
BDER	75	3"	Fine	0,20	.008"	7520	9549	24
BDER	100	4"	Coarse	0,30	.012"	1030	9648	20
BDER	100	4"	Fine	0,20	.008"	1020	9649	20

**BTE Cup DIY with Shank of 6mm (1/4")**



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL

DEBURRING, CLEANING  
**STEEL**  
DRILL  
MEDIUM, FINE

WIRE  
0,20 mm  
0,30 mm  
0,20 mm  
0,30 mm

FLEXIBILITY

ORDER EXAMPLE:  
BTE 5030  
1.Model: BTE  
2.Article Code: 5030



Model	Ext. Diameter		Wire			Packing		Pieces per Box
	mm	"	Tipo	mm	"	Bulk	Display	
BTE	50	2"	Coarse	0,30	.012"	5030	9168	24
BTE	50	2"	Fine	0,20	.008"	5020	9169	
BTE	75	3"	Coarse	0,30	.012"	7530	9268	
BTE	75	3"	Fine	0,20	.008"	7520	9269	
BTE	85	3.3/8"	Coarse	0,30	.012"	8030	9368	
BTE	85	3.3/8"	Fine	0,20	.008"	8020	9369	

**Applications BDOR, BBC y CAE**

Removal of rust, paint and any kind of adherence in gates, balconies, cars, etc.  
Preparing surfaces for painting.  
Polishing of metallic pieces.  
Working on wooden rustic pieces.  
CAE: Removal of rust, paint, forge scale and adherences in general.



## BDOR Wheel DIY

Arbor hole of 13 mm (1/2")



ACTION: DEBURRING, CLEANING  
SURFACE: STEEL / STAINLESS / ALUMINUM  
TOOL: DIE-GRINDER  
FINISHING: COARSE, MEDIUM, FINE  
REMOVAL:   
FLEXIBILITY:   
WIRE: 0,20 mm, 0,30 mm

ORDER EXAMPLE:  
BDOR 7503  
1.Model: BDOR  
2.Article Code: 7503

## CAE Twist Knot

Wheel DIY with Shank of 6 mm (1/4")



Model	Ext. Diameter		Wire			Packing		Pieces per Box
	mm	"	Type	mm	"	Bulk	Display	
BDOR	75	3"	Coarse	0,30	.012"	7503	9158	24
BDOR	75	3"	Fine	0,20	.008"	7502	9159	24
BDOR	100	4"	Coarse	0,30	.012"	1003	9258	24
BDOR	100	4"	Fine	0,20	.008"	1002	9259	24
BDOR	125	5"	Coarse	0,30	.012"	1203	9358	12
BDOR	125	5"	Fine	0,20	.008"	1202	9359	12
BDOR	150	6"	Coarse	0,30	.012"	1503	9458	12
BDOR	150	6"	Fine	0,20	.008"	1502	9459	12
CAE	75	3"	Knotted	0,50	.020"	7500K	9388	12

## BBC Cup DIY with Shank of 6mm (1/4")



ACTION: DEBURRING, CLEANING  
SURFACE: STEEL / STAINLESS / ALUMINUM  
TOOL: DIE-GRINDER  
FINISHING: COARSE, MEDIUM, FINE  
REMOVAL:   
FLEXIBILITY:   
WIRE: 0,20 mm, 0,30 mm

ORDER EXAMPLE:  
BBC 2630  
1.Model: BBC  
2. Article Code: 2630



Model	Ext. Diameter		Wire			Packing		Pieces per Box
	mm	"	Tipo	mm	"	Bulk	Display	
BBC	26	1"	Coarse	0,30	.012"	2630	9078	24
BBC	26	1"	Fine	0,20	.008"	2620	9079	24

BTC Conic Brush with Shank of 6mm (1/4")



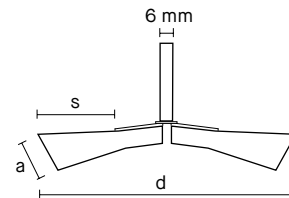
ACTION	DEBURRING, CLEANING
SURFACE	STEEL / STAINLESS / ALUMINUM
TOOL	DRILL
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ● ● ● ● ●

ORDER EXAMPLE:  
BTC 91030  
1.Model: BTC  
2.Article Code: 91030

**Technical Information**

Conical brush with 6mm shank specially designed to provide an easy access to corners.

Model	Ext. Diameter (d)		Width		Trim Length (s)		Code
	mm	"	mm	"	mm	"	
BTC	100	4"	10	3/8"	25	1"	BTC 91030



## Chimney cleaning KITS range for brick duct chimneys



Ref.	Description
KIT125AC	Chimney sweep steel 125 diam. + 4 rod 1.4 mts
KIT150AC	Chimney sweep steel 150 diam. + 4 rod 1.4 mts
KIT200AC	Chimney sweep steel 200 diam. + 4 rod 1.4 mts
KIT250AC	Chimney sweep steel 250 diam. + 4 rod 1.4 mts
125AC	Chimney sweep steel 125 diam.
150AC	Chimney sweep steel 150 diam.
200AC	Chimney sweep steel 200 diam.
250AC	Chimney sweep steel 250 diam.
VAR1400	Rod 1.4 meters

Hand cleaning for Brick ducts

The KIT contains:

- 1 flat wire circular brush
- 4 polypropylene rods of 1.4 meters each one (5,6 meters total)

ACTION	CLEANING
SURFACE	STAINLESS / ALUMINUM
TOOL	BY HAND
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ●



## Chimney cleaning KITS range for metal duct chimneys



Ref.	Description
KIT125NY	Chimney sweep steel 125 diam. + 4 rod 1.4 mts
KIT150NY	Chimney sweep steel 150 diam. + 4 rod 1.4 mts
KIT200NY	Chimney sweep steel 200 diam. + 4 rod 1.4 mts
KIT250NY	Chimney sweep steel 250 diam. + 4 rod 1.4 mts
PVC125	Chimney sweep steel 125 diam.
PVC150	Chimney sweep steel 150 diam.
PVC200	Chimney sweep steel 200 diam.
PVC250	Chimney sweep steel 250 diam.
VAR1400	Rod 1.4 meters

Hand cleaning for Metal ducts

The KIT contains:

- 1 nylon brush
- 4 polypropylene rods of 1.4 meters each one (5,6 meters total)

ACTION	CLEANING
SURFACE	STAINLESS / ALUMINUM
TOOL	BY HAND
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ●



## Chimney cleaning KITS range for pellet stoves



Hand cleaning for Pellet stoves

The KIT contains:

- 1 circular nylon brush
- 1 flexible cable of 3 meters.

Ref.	Description
KIT080NY	3 meters flexible cable + Nylon circular brush 80mm diam.

ACTION	CLEANING
SURFACE	STAINLESS / ALUMINUM
TOOL	BY HAND
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ●







# 03. Flexible Abrasives

## FH Flexible Hone



### You can use it on all types of cylinders

The FH is a flexible abrasive tool ideal for lapping, deburring cylinders, hydraulic elements, aluminum injection parts, automotive, precision parts, etc.

Tool composed of small and independent unbreakable balls tied to the center by nylon strips.

It is self-centering and adjustable, so you can adapt it to any unevenness of the surface of the hole to work.

Reduces the values of RA, but keeping Rpk Rk and Vo and keeps Rvk and volume. Achieving a perfect polished.

You can attach it, in manual and automatic machine drills.

This tool is ideal for cylinders, connecting rods, crankshafts tooling...



Diameter of the cylinder to clean		Total Length		Useful Length		SC Grit	SC Grit
mm	"	mm	"	mm	"	120	180
4	.157"	150	6"	21	0.53/64"		04SC18
8	.315"	203	8"	53	2.3/32"	08SC12	08SC18
9	.354"	203	8"	53	2.3/32"	09SC12	09SC18
10	.394"	203	8"	53	2.3/32"	10SC12	10SC18
12,7	1/2"	203	8"	65	2.9/16"	13SC12	13SC18
14	.552"	203	8"	65	2.9/16"	14SC12	14SC18
16	5/8"	203	8"	65	2.9/16"	16SC12	16SC18
18	.709"	203	8"	65	2.9/16"	18SC12	18SC18
20	.787"	203	8"	65	2.9/16"	20SC12	20SC18
22	7/8"	203	8"	65	2.9/16"	22SC12	22SC18
25,4	1"	203	8"	80	3.5/32"	26SC12	26SC18
29	1.1/8"	203	8"	80	3.5/32"	29SC12	29SC18
31,8	1.1/4"	203	8"	80	3.5/32"	32SC12	32SC18
35	1.3/8"	203	8"	80	3.5/32"	35SC12	35SC18
38	1.1/2"	203	8"	80	3.5/32"	38SC12	38SC18
41	1.5/8"	203	8"	80	3.5/32"	41SC12	41SC18
45	1.3/4"	203	8"	80	3.5/32"	45SC12	45SC18
48	1.7/8"	203	8"	80	3.5/32"	48SC12	48SC18
51	2"	203	8"	80	3.5/32"	51SC12	51SC18

ACTION	FINISHING	
SURFACE	STEEL / STAINLESS / ALUMINUM	
TOOL	DRILL	
FINISHING	MEDIUM, FINE	
REMOVAL		● ● ● ● ● ● ● ●
FLEXIBILITY		● ● ● ● ● ● ● ●

ORDER EXAMPLE:  
 FH 20SC12  
 1.Model: FH  
 2.Article Code: 20SC12  
 3. Grit: 120  
 4. Workpiece diameter: 20mm

Any diameter until 914 mm (36") may be produced on request.



## FH Flexible Hone

### Technical Information

Tool composed of silicon carbide balls impregnated with different grits.

Can be used in dry surfaces or with oils having viscosity SAE 10 to 30 (it is recommended to lubricate).

Do not use solvents during use or for cleaning the cylinders.

For the choice of suitable diameter, this will be the inside diameter of the cylinder polish or the next higher.

The recommended speed is between 500 and 1200 rpm. Not to be used in high-speed engines.

Progress will be between 3 to 4.5 m/sec.

The oscillations for correct work will be 20 to 45 seconds per cylinder. (5-15 passes).

It is important that the tool gets into the hole and to be always in rotation

After work, and in order to remove any residue, use soapy water and a brush Nylon spiral (LNY) of the same diameter.

We have a wide range of dimensions, and abrasive grits outside the permanent stock table.

### Applications

Air Compressors

Air Hydraulic Cylinders

Pneumatic Cylinders

Boiler componets

Pneumatic Tools

Brake Cylinder

Brake Rotors

Cylinders and Engine Blocks

Guns and Weapons

Musical Instruments



JAZ "CCM" brushes are mainly composed of nylon filaments impregnated with: Silicon carbide, aluminum oxide, diamond, ceramic coating, etc.

The "CCM" line is designed to be mounted as a tool for use in machining centers, robots, flexible cells, etc.

The "CCM" brushes provide a variety of solutions such as deburring, blending and finishing, rounding of edges, contouring of edges and refinement of surfaces.

Our abrasive filament brushes can be run dry (without a coolant), however applying a "coolant" to the abrasive filaments will improve the finish and performance of the tool.

Industries such as Automotive, Aeronautics, Sintered Metals, etc., where surface finishing is important, can find a solution to many surface finishing problems with JAZ "CCM" brushes.



ACTION	FINISHING
SURFACE	STEEL / STAINLESS / ALUMINUM
TOOL	INDUSTRIAL MACHINE
FINISHING	MEDIUM, FINE
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL

## Tool Holder for CCM Brushes

For the correct mounting of CCM brushes in CNC machines, we recommend to use the Tool Holder.

The Tool Holder is designed to provide the best performance of CCM brushes.

Manufactured in one solid piece to improve the balancing and the life of the tool.

The design allows the coolant to flow through the Tool Holder, reducing the heating and also avoiding rust corrosion.



## Class of Burr:

**CLASS I:** Micro Burrs can only be seen with magnification.

**CLASS II:** Feather Burrs can be seen without magnification. They can be removed with your fingernail.

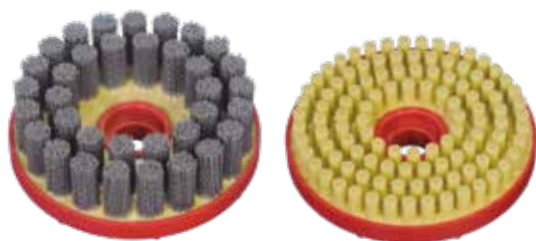
**CLASS III:** Well attached small burrs are small in nature, but require a lot of force to be removed.

**CLASS IV:** Well attached large burrs are large in nature and have a larger attachment point than a CLASS III burr.

**CLASS V:** Extruded burrs are very large burrs that extrude from the base material. These burrs need to be preconditioned before brushing.



## BUNDLE



### Characteristics

Designed for edge deburring and surface finishing.

The position of the filaments allows to enter in small bores or difficult areas access.

### Applications

Suitable for Class I and II burrs.

Recommended for deburring surfaces where all burrs are on the same level.

### Sectors

Industry: Engineering, Aeronautics, Automotive, Sintered Metals and many more.

Ø Outside		Ø Arbor Hole		Trim Length		SILICIUM CARBIDE - Grit			DIAMOND - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CSBU	CCM11512CSBU	CCM11532CSBU	CCM11580DBU	CCM11512DBU	CCM11532DBU
150	6"	20	3/4"	30	1.3/16"	CCM15080CSBU	CCM15012CSBU	CCM15032CSBU	CCM15080DBU	CCM15012DBU	CCM15032DBU

Ø Outside		Ø Arbor Hole		Trim Length		CERAMIC - Grit			ALUMINUM OX. - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CRBU	CCM11512CRBU	CCM11532CRBU	CCM11580OABU	CCM11512OABU	CCM11532OABU
150	6"	20	3/4"	30	1.3/16"	CCM15080CRBU	CCM15012CRBU	CCM15032CRBU	CCM15080OABU	CCM15012OABU	CCM15032OABU

## TURBO



### Characteristics

Turbo brushes are the most practical and impressive brushes in the entire range

Medium deburring for Class II and Class III type burrs.

### Applications

For rounding and roughing edges.

Recommended for flat surfaces, where all burrs are on a flat surface.

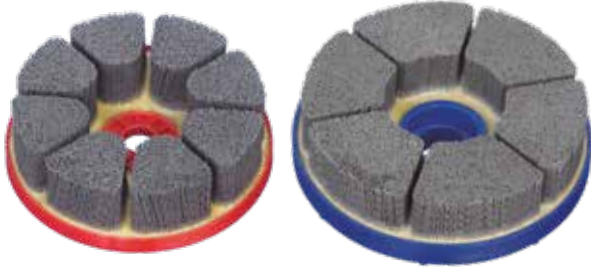
### Sectors

Industry: Engineering, Automotive, Aeronautical, Sintered.

Ø Outside		Ø Arbor Hole		Trim Length		SILICIUM CARBIDE - Grit			DIAMOND - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CSTR	CCM11512CSTR	CCM11532CSTR	CCM11580DTR	CCM11512DTR	CCM11532DTR
150	6"	20	3/4"	30	1.3/16"	CCM15080CSTR	CCM15012CSTR	CCM15032CSTR	CCM15080DTR	CCM15012DTR	CCM15032DTR

Ø Outside		Ø Arbor Hole		Trim Length		CERAMIC - Grit			ALUMINUM OX. - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CRTR	CCM11512CRTR	CCM11532CRTR	CCM11580OATR	CCM11512OATR	CCM11532OATR
150	6"	20	3/4"	30	1.3/16"	CCM15080CRTR	CCM15012CRTR	CCM15032CRTR	CCM15080OATR	CCM15012OATR	CCM15032OATR

FULL



**Applications**  
For harder Class III and Class IV type burrs.  
Deburring coarse burrs  
Good for flat surfaces.

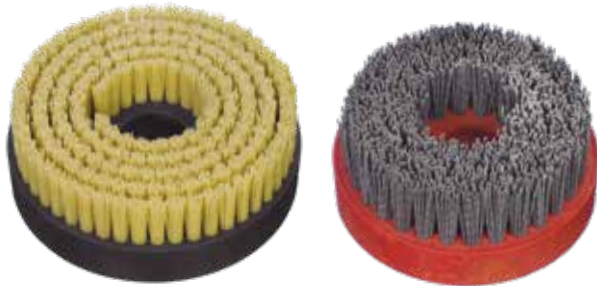
**Sectors**  
Industry: Engineering, Aeronautics, Automotive, Sintered Metals.



Ø Outside		Ø Arbor Hole		Trim Length		SILICIUM CARBIDE - Grit			DIAMOND - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CSFL	CCM11512CSFL	CCM11532CSFL	CCM11580DFL	CCM11512DFL	CCM11532DFL
150	6"	20	3/4"	30	1.3/16"	CCM15080CSFL	CCM15012CSFL	CCM15032CSFL	CCM15080DFL	CCM15012DFL	CCM15032DFL

Ø Outside		Ø Arbor Hole		Trim Length		CERAMIC - Grit			ALUMINUM OX. - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CRFL	CCM11512CRFL	CCM11532CRFL	CCM11580O AFL	CCM11512O AFL	CCM11532O AFL
150	6"	20	3/4"	30	1.3/16"	CCM15080CRFL	CCM15012CRFL	CCM15032CRFL	CCM15080O AFL	CCM15012O AFL	CCM15032O AFL

TUFT



**Characteristics**

The TUFT model is used for a wide range of deburring degrees. Brushes with less density than other model types. There is more space between the abrasive filaments providing more flexibility when brushing. This characteristic provides more flexibility to adapt to complex surface geometries. Highly recommended for planetary machine, ideal for deburring flat parts.

**Sectors**

Industry: Engineering, Aeronautics, Automotive, Sintered Metals.

Ø Outside		Ø Arbor Hole		Trim Length		SILICIUM CARBIDE - Grit			DIAMOND - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CSTF	CCM11512CSTF	CCM11532CSTF	CCM11580DTF	CCM11512DTF	CCM11532DTF
150	6"	20	3/4"	30	1.3/16"	CCM15080CSTF	CCM15012CSTF	CCM15032CSTF	CCM15080DTF	CCM15012DTF	CCM15032DTF

Ø Outside		Ø Arbor Hole		Trim Length		CERAMIC - Grit			ALUMINUM OX. - Grit		
mm	"	mm	"	mm	"	80	120	320	80	120	320
115	4.1/2"	14	9/16"	25	1"	CCM11580CRTF	CCM11512CRTF	CCM11532CRTF	CCM11580OATF	CCM11512OATF	CCM11532OATF
150	6"	20	3/4"	30	1.3/16"	CCM15080CRTF	CCM15012CRTF	CCM15032CRTF	CCM15080OATF	CCM15012OATF	CCM15032OATF

## DNA Wheel Abrasive Nylon 6.12"



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, FINISHING  
STEEL / STAINLESS / ALUMINUM  
GRINDER, BENCH-GRINDER  
MEDIUM, FINE



ORDER EXAMPLE:  
DNA 1511  
1.Model: DNA  
2.Article Code: 1511  
3. Grit: 120

### Technical Information

Filaments impregnated with Silicon Carbide abrasive grains allow the brush to maintain a high cut rate while producing a consistent finish throughout the life of the brush.

Filaments flex to all angles, and permits them to deburr and finish highly contoured parts.

Nylon brushes are ideal when it is important that surface measures are not affected by the brushing process. Suitable for wet and dry applications.

Although coolants and lubrication may allow the use of higher speeds than initially recommended, these R.P.M. must never be exceeded.

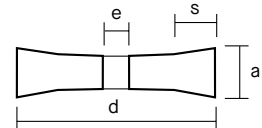
Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8-11 attachments; the other is valid for M10 x 1,5 and M10 x 1,25 systems. The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.

### Applications

Deburring of turbine blades and removing carbon encrustation from engines.

Cleaning of dies, steel and cast iron pieces.

Deburring of cylindrical parts, steering gear cases and control pistons in the automotive industry.



See construction drawing on page 119

Ø Outside(d)		Width (a)		Trim Length (s)		Arbor Hole (e)				Grit			R.P.M. Max.
mm	"	mm	"	mm	"					120 Coarse	180 Medium	320 Fine	
100	4"	8	5/16"	18	11/16"	13, 16, 20, 22, 26, 30mm				1011	1012	1013	12.000
100	4"	16	5/8"	18	11/16"	1/2" - 5/8" - 3/4" - 7/8" - 1.3/16"				1021	1022	1023	12.000
150	6"	13	1/2"	27	1.1/16"					1511	1512	1513	6.500
150	6"	28	1.1/8"	27	1.1/16"	Multi Thread R (1)				1521	1522	1523	6.500
175	7"	16	5/8"	40	1.5/8"	13	1/2"	30	1.3/16"	1711	1712	1713	6.500
175	2"	29	1.1/8"	40	1.5/8"	16	5/8"	32	1.1/4"	1721	1722	1723	6.500
200	8"	16	5/8"	40	1.5/8"	20	3/4"	35	1.3/8"	2011	2012	2013	6.000
200	8"	29	1.1/8"	40	1.5/8"	22	7/8"	36	1.3/8"	2021	2022	2023	6.000
250	10"	16	5/8"	45	1.3/4"	25		40	1.5/8"	2511	2512	2513	5.000
250	10"	29	1.1/8"	45	1.3/4"	26	1"	50		2521	2522	2523	5.000
300	12"	16	5/8"	50	2"			50,8	2"	3011	3012	3013	4.500
300	12"	29	1.1/8"	50	2"					3021	3022	3023	4.500

(1) Arbor Hole: 13-16-20-22-26-30-50mm [1/2"- 5/8"- 3/4"- 7/8"- 1"- 1.3/16"- 2"] Code 99

TNA Cup Abrasive Nylon 6.12”



ACTION	DEBURRING, FINISHING
SURFACE	STEEL / STAINLESS / ALUMINUM
TOOL	GRINDER
FINISHING	MEDIUM, FINE
REMOVAL	● ● ● ● ● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ● ● ● ● ●

ORDER EXAMPLE:  
TNA 1102 M14  
1.Model: TNA  
2.Article Code: 1102  
3. Arbor Hole: M14

**Technical Information**

Filaments impregnated with Silicon Carbide abrasive grains allow the brush to maintain a high cut rate while producing a consistent finish throughout the life of the brush.

Filaments flex to all angles, and permits them to deburr and finish highly contoured parts.

Nylon brushes are ideal when it is important that surface measures are not affected by the brushing process. Suitable for wet and dry applications.

Although coolants and lubrication may allow the use of higher speeds than initially recommended, these R.P.M. must never be exceeded.

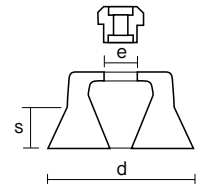
Exclusive design and patented multifitting thread in two different versions; one is valid for M14 and 5/8-11 attachments; the other is valid for M10 x 1,5 and M10 x 1,25 systems. The new design is also extended to single threads. It allows an easier attachment and increases resistance resulting in more safety for the user.

**Applications**

Deburring of turbine blades and removing carbon encrustation from engines.

Cleaning of dies, steel and cast iron pieces.

Deburring of cylindrical parts, steering gear cases and control pistons in the automotive industry.



Outside Diameter(d)		Trim Length (s)		Arbor Hole (e)	Grit			R.P.M. Max.
mm	"	mm	"		120 Coarse	180 Medium	320 Fine	
110	4.3"	35	1.3/8"	22-M14-W5/8-7/8" (1)	1101	1102	1103	8.500
150	6"	30	1.3/16"	22-M14-W5/8-7/8" (1)	1501	1502	1503	6.000

(1) Exclusively designed threaded M14 x 2 and W5/8"-11 (Code R-88) or M10 x 1,25 and M-10 x 1.50 (Code R-77)



## CON Disc Abrasive Nylon



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, FINISHING  
STEEL / STAINLESS / ALUMINUM  
GRINDER, INDUSTRIAL MACHINE  
MEDIUM, FINE

ORDER EXAMPLE:  
CON 1211  
1. Model: CON  
2. Article Code: 1211  
3. Grit: 120



Outside Diameter		Trim Length		Arbor Hole	Color Black	Color Red	Color Yellow	Color Blue	R.P.M. Max.
mm	"	mm	"		Grit 80	Grit 120	Grit 180	Grit 320	
100	4"	25	1"	M14-W5/8 y DX	1010	1011	1012	1013	3.000
120	5"	25	1"	M14-W5/8 y DX	1210	1211	1212	1213	3.000
140	6"	25	1"	M14-W5/8 y DX	1410	1411	1412	1413	3.000
250	10"	25	1"	50,8 mm 2"	2510	2511	2512	2513	3.000

## LNA Tubebrush Abrasive Nylon 6.12"



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, FINISHING  
STEEL / STAINLESS / ALUMINUM  
DRILL, BY HAND  
MEDIUM, FINE

Outside Diameter (d)		Arbor Hole (e)	Grit		
mm	"		120 Coarse	180 Medium	320 Fine
20	3/4"	W1/4"-NPT 1/8"	2011	2012	2013
25	1"	W1/2"-NPT 1/4"	2511	2512	2513
40	1.5/8"		4011	4012	4013
50	2"		5011	5012	5013



ORDER EXAMPLE:  
LNA 2011  
1. Model: LNA  
2. Article Code: 2011

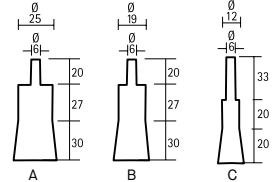
BNA End Brush Abrasive Nylon 6.12"



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, FINISHING  
STEEL / STAINLESS / ALUMINUM  
DRILL  
MEDIUM, FINE

ORDER EXAMPLE:  
BNA 1902  
1. Model: BNA  
2. Article Code: 1902



Outside Diameter		Trim Length		Arbor Hole		Grit			R.P.M. Max.
mm	"	mm	"	mm	"	120 Coarse	180 Medium	320 Fine	
12	1/2"	20	3/4"	6	1/4"	1201	1202	1203	20.000
19	3/4"	30	1.3/16"	6	1/4"	1901	1902	1903	20.000
25	1"	30	1.3/16"	6	1/4"	2501	2502	2503	20.000

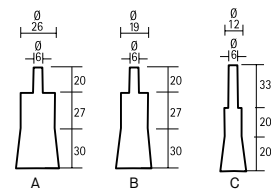
BNAR Ceramic Nylon End Brushes



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, FINISHING  
STEEL / STAINLESS / ALUMINUM  
DRILL, INDUSTRIAL MACHINE  
MEDIUM, FINE

ORDER EXAMPLE:  
BNAR 1280  
1. Model: BNAR  
2. Article Code: 1280



Outside Diameter		Trim Length		ABRASIVE NYLON				SUPER CARBIDE			
mm	"	mm	"	Grit 80	Grit 120	Grit 180	Grit 320	Grit 80	Grit 120	Grit 180	Grit 320
12	1/2"	25	1"	BNAR1280	BNAR12120	BNAR12180	BNAR12320	BNARSC1280	BNARSC12120	BNARSC12180	BNARSC12320
19	3/4"	25	1"	BNAR1980	BNAR19120	BNAR19180	BNAR19320	BNARSC1980	BNARSC19120	BNARSC19180	BNARSC19320
26	1"	25	1"	BNAR2680	BNAR26120	BNAR26180	BNAR26320	BNARSC2680	BNARSC26120	BNARSC26180	BNARSC26320

Outside Diameter		Trim Length		DIAMOND			CERAMIC			
mm	"	mm	"	Grit 700	Grit 1000	Grit 2000	Grit 80	Grit 120	Grit 180	Grit 320
12	1/2"	25	1"	BNARD12700	BNARD121000	BNARD122000	BNARC1280	BNARC12120	BNARC12180	BNARC12320
19	3/4"	25	1"	BNARD19700	BNARD191000	BNARD192000	BNARC1980	BNARC19120	BNARC19180	BNARC19320
26	1"	25	1"	BNARD26700	BNARD261000	BNARD262000	BNARC2680	BNARC26120	BNARC26180	BNARC26320



CNA DIY Line Abrasive Nylon 6



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

DEBURRING, FINISHING  
STEEL / STAINLESS / ALUMINUM  
DRILL  
MEDIUM, FINE

● ● ● ● ● ●  
● ● ● ● ● ●

ORDER EXAMPLE:  
CNA 1000  
1. Model: CNA  
2. Article Code: 1000

**Technical Information**

Brushes made of nylon filaments impregnated with Aluminium Oxide abrasive particles. High flexibility without danger of breaking, providing long working life and increased safety. Suitable for dry applications only. To be used in power drills. Red colour nylon brushes (grit 80) produce a coarse finishing; the blue colour ones (grit 150) provide a fine polishing.

**Applications**

- Nylon brushes do not scratch and therefore they are appropriate for cleaning and polishing of:
- Any kind of wood (fine or rustic).
  - Metallic surfaces such as automobile bodies.
  - Tile, stone and concrete.
  - Plastic materials.
  - Stainless Steel and Aluminium.

**Operating Recommended Speed**

Optimum performance is obtained at the recommended working speed 2.500 R.P.M.



Type	Ext. Diameter		Filament		Packing		R.P.M. Max.	Pieces per Box
	mm	"	Colour	Grit	Bulk	Display		
Wheel	75	3"	Red	80	7500	9475	4.500	12
Wheel	75	3"	Blue	150	7501	9575	4.500	12
Wheel	100	4"	Red	80	1000	9410	4.500	12
Wheel	100	4"	Blue	150	1001	9510	4.500	12
Cup	50	2"	Red	80	5000	9450	4.500	12
Cup	50	2"	Blue	150	5001	9550	4.500	12
Cup	75	3"	Red	80	7000	9470	4.500	12
Cup	75	3"	Blue	150	7001	9570	4.500	12
End Brush	25	1"	Red	80	2200	9422	4.500	12
End Brush	25	1"	Blue	150	2201	9522	4.500	12
Flap	100	4"	Red	80	1600	9416	4.500	12
Flap	100	4"	Blue	150	1601	9516	4.500	12

DL Flap Discs with Threaded Nut M14 or 22 mm Arbor Hole (7/8 ")



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

GRINDING  
STEEL / STAINLESS / ALUMINUM  
MINI-GRINDER  
COARSE, MEDIUM  
● ● ● ● ● ●  
● ● ● ● ● ●

ORDER EXAMPLE:  
DLZ 11540 M14  
1. Model: DLZ  
2. Article Code: 11540  
3. Arbor Hole: M14

**Technical Information**

Grinding and polishing in one operation.

The fiber glass backing allows the disc to fit into corners, without deteriorating the piece of work.

The threaded nut results in an easier attachment to the machine, and increased safety and convenience at work.

**Applications**

Grinding and sanding on metal: zirconium for hard metals (i.e. stainless steel), aluminium oxide or zirconium for other metals (carbon steel, aluminium...).

Cleaning and removal of welding scale, corners and edges.

**Users:** shipbuilding, boiler manufacturers, sheet metal shops, automotive, foundries, welding, aluminium fabricators.

Abrasive Clothing	Diameter		Code			R.P.M. Max.	Pieces per Box
	mm	"	Grit 40	Grit 60	Grit 80		
Zirconium	115	4.1/2"	DLZ 11540	DLZ 11560	DLZ 11580	13.300	10
Zirconium	127	5"	DLZ 12740	DLZ 12760	DLZ 12780	12.000	10
Zirconium	178	7"	DLZ 17840	DLZ 17860	DLZ 17880	8.600	10
Alum. Oxide	115	4.1/2"	DLO 11540	DLO 11560	DLO 11580	13.300	10
Alum. Oxide	127	5"	DLO 12740	DLO 12760	DLO 12780	12.000	10
Alum. Oxide	178	7"	DLO 17840	DLO 17860	DLO 17880	8.600	10

Here are also available with arbor hole of 22mm (7/8") thread or Multithread (M14, W5/8", R-88 and R-77).



## AL Flap Wheels with 6mm (1/4") Shank



ACTION  
SURFACE  
TOOL  
FINISHING  
REMOVAL  
FLEXIBILITY

GRINDING  
STEEL / STAINLESS / ALUMINUM  
DRILL  
COARSE, MEDIUM  
● ● ● ● ● ●  
● ● ● ● ● ●

ORDER EXAMPLE:  
AL 603060  
1.Model: AL  
2.Article Code: 603060

### Technical Information

Aluminium Oxide flaps, with highest quality resistant industrial clothing. Used in finishing operations that demand limited removal capacity. They adapt to all contours and shapes.

Uniform and constant finish throughout the life of the wheel.

### Applications

Polishing and finishing on irregular surfaces and contours.

Cleaning and removal of rust, paint, weld and scratches.

Applications on steel, stainless and nonferrous materials (aluminium, wood, plastic).

**Users:** foundries, forging, stamping, moulding, welding, wood...

Diameter		Width		Code			R.P.M. Max.	Pieces per Box
mm	"	mm	"	Grit 60	Grit 80	Grit 120		
30	1.1/8"	10	3/8"	AL 301060	AL 301080	AL 301012	25.000	10
40	1.5/8"	15	5/8"	AL 401560	AL 401580	AL 401512	19.000	10
60	2.3/8"	20	3/4"	AL 602060	AL 602080	AL 602012	12.600	10
60	2.3/8"	30	1.3/16"	AL 603060	AL 603080	AL 603012	12.600	10
80	3.1/8"	30	1.3/16"	AL 803060	AL 803080	AL 803012	9.500	10





# 04. Exhibitors

Capillo circular de  
alambre con espiga  
para brotarlo.  
With wheel brush  
with shank for  
Do it Yourself.  
Brodar espigado  
multifuncion  
Ivex-Tipe  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo conico de  
alambre pulido  
para limpiar, abrasi-  
y adherencia.  
Conical brush  
brush for clean-  
ing, sanding &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

Capillo tipo de  
alambre para  
limpiar y adherencia.  
Wire brush type  
for cleaning &  
adhesion.  
Distribuido por  
Distribuidores  
a 100mm - 4"  
Max. 3.300 RPM.

ACCION A REALIZAR / ACTION / ACTION / ACÇÃO A REALIZAR

- Desbastar / Deburring / Desbaste
- Limpiar / Cleaning / Limpeza
- Preparar / Preparing / Preparação
- Polir / Polishing / Polimento
- Remover / Removing / Remoção
- Texturizar / Surface preparation / Texturização

SEMPRE USAR O PRODUTO CORRETO PARA CADA TIPO DE APLICAÇÃO



## EXP General Exhibitor

Code	Content		Dimensions (mm / ")
	Qty.	Article	
EXP 4250	6	CT 1505E99	2.080 x 620 x 430mm  81.7/8 x 24.7/16 x 16.15/16"
	6	CT 1705E99	
	7	CT 2005E99	
	4	TO 0800E M14	
	4	TO 1000E M14	
	3	TO 1250E M14	
	3	TT 1001K M14	
	4	TOG 1000E M14	
	5	HSC 0075E M14	
	5	HSD 0100E M14	
	5	HSK 0100K M14	
	4	HST 0065K M14	
	5	HSP 0115E M14	
	14	BBC 9078	
	6	BDER 9348	
	24	BDER 9548	
	12	BDER 9648	
	12	BTE 9168	
	18	BTE 9268	
	24	MS 4000G	
24	MF 6035G		
48	VIP 1000F		

## EXP Basic Exhibitor

Code	Content		Dimensions (mm / ")
	Qty.	Article	
EXP 9640	3	TO 1000E M14	830 x 540 x 310mm  32.11/16 x 21.1/4 x 12.1/4"
	3	CT 1505E99	
	3	CT 1705E99	
	3	HSC 0075E M14	
	3	HSD 0100E M14	
	3	HST 0065K M14	
	5	BBC9078	
	15	BDER 9548	
	5	BDER 9648	
	5	BTE 9168	
	10	BTE9268	
	6	CNA 9475	
	6	CNA 9470	
	30	MS 3000G	
	24	VIP 1000F	

## EXP Guard Exhibitor

Code	Content		Dimensions (mm / ")
	Qty.	Article	
EXP 4060	12	BDEG 9548	830 x 540 x 310mm  32.11/16 x 21.1/4 x 12.1/4"
	12	BTEG 9268	
	9	HSCG 0075E M14	
	6	HSTG 0065K M14	
	6	HSDG 0100E M14	
	3	HSKG 0100K M14	
	2	TOG 0800E M14	
	6	TOG 1000E M14	
	2	TOG 1250E M14	
	2	TTG 1001K M14	



# 05. Equipment

At **JAZ** we understand that the primary concern is safety and that is why we present our seal "JAZ CERTIFIED EQUIPMENT". With this seal we recommend products that offer the safety and security that must be used to operate our products. Our knowledge and experience in this market along with partnerships with leading companies allows us to ensure that the product offered is ideal for the brushing applications that best fits your needs.

## Mask



In black ABS plastic with 3 inclination positions and 2 horizontal positions.  
Colorless polycarbonate or acetate viewfinder, depends on the model. Anti-scratching and antimist treatments are optional. Easy adjustment.  
Padding harness in the part behind and with a frontal textile sweatband of easy replacement.  
Thread adjustment in the back and another normal adjustment at the top.

Code
JE MSK 0001

## Gloves



Flower skin: is the external part of the skin. EPIDERMIS.  
Goat flower: offers excellent mechanic properties.  
Flexible and very resistant.  
Provides an excellent touch.  
Back of the cotton: natural fiber which allows transpiration.  
Adjustable autoadherent closure for more a better wrist adjustment.

Code
JE GVS 0001

## Glasses



**Spartan Technology:** Antiabrasion technology that adds to the internal and external surface of the lens a minimum layer of 3,5 µm of varnish guaranteed. Prevents scratches and is waterproof.

**Nebulus Technology:** Antimist technology that adds to the internal and external surface of the lens a minimum layer of 3,5 µm of varnish guaranteed. Absorbs the vapour and humidity.

Code
JE GLL 0001

## Arm protection sleeves



High resistance to cuts, tears and brushes while keeps a high level of dexterity for the use.

Material: nylon, polyester, fiber glass  
Colour: Yellow HI-VIZ™  
Length: 475 mm / 19"

Code
JE APS 0001



# 06. Accessories



Kit for external cleaning of cylindrical pieces & its own brush.  
Specially designed for the external cleaning of cylindrical pieces of any length.  
Ideal for maintenance works, tubes and pipes cleaning,  
Removal of burr, rust, paint, etc.

ACTION	DEBURRING, CLEANING
SURFACE	STEEL / STAINLESS / ALUMINUM
TOOL	JSBSP + GRINDER
FINISHING	MEDIUM
REMOVAL	● ● ● ● ● ● ● ● ● ●
FLEXIBILITY	● ● ● ● ● ● ● ● ● ●



## JS BSP Pipe-Cleaner 360° accessory for external brushing of cylindrical pieces



It has its own brushes (BSP model) from diameter 3/8" to 2". Available in different wire types.  
Item JS BSP 001 is designed for being used on the METABO W1100-115 y 125 Angle Grinder.

Code
JSBSP0001

## BSP Brush



**Technical Information**  
BSP model brushes from 10 mm to 50 mm diameters.  
Designed for the JS BSP accessory. Available in different wire types.

Diameter (s)	Coated Steel	Stainless Steel
10	BSP0010E	BSP0010Z
14	BSP0014E	BSP0014Z
16	BSP0016E	BSP0016Z
20	BSP0020E	BSP0020Z
24	BSP0024E	BSP0024Z
28	BSP0028E	BSP0028Z
30	BSP0030E	BSP0030Z
36	BSP0036E	BSP0036Z
40	BSP0040E	BSP0040Z
44	BSP0044E	BSP0044Z
50	BSP0050E	BSP0050Z



**07.  
Woodworking  
brushes**

For an antique wood finish for flooring, roofing and furniture pieces, it is best to use a two-step process of steel wire brushes and nylon abrasive brushes. Steel wires wear the softer parts of the wood and highlight the harder parts. For a finer finishing – removing burrs, sticks and chips resulting from the use of steel wire it is recommended of nylon abrasive brushes.



		SURFACE PREPARATION	
		WOOD	
		GRINDER	
		COARSE, MEDIUM, FINE	WIRE
ACTION			
SURFACE			
TOOL			
FINSIH			
REMOVAL		●●●●●○ 0.20 mm. Coated Steel and Stainless Steel	
		●●●●●○ 0.30 mm. Coated Steel and Stainless Steel	
		●●●●●○ Nylon Grit	
FLEXIBILITY			
		●●●●●○ 0.20 mm. Coated Steel and Stainless Steel	
		●●●●●○ 0.30 mm. Coated Steel and Stainless Steel	
		●●●●●● Nylon Grit	

## Woodworking Brushes Industrial Wood Processing

There is a wide variety of machines (COSTA, SCM, VOLPATO, GRIGGIO) that use roller brushes of steel wire and nylon abrasive filaments. These brushes are used in automated processes.



## Woodworking Brushes for Portable Machines



Antique Finishing Brushes for Portable Machines.



Model	Outside Diameter		Width		Inside Diameter		Coated Steel	Stainless Steel	Nylon	
	mm	"	mm	"	mm	"	0,20 mm .008"	0,20 mm .008"	Grain: 46	Grain: 80
									Code	Code
FESTOOL	150	6"	85	3.5/16"	16-30	5/8"-1.3/16"	CT91528C1630	CT91528N1630	CI1585461630	CI1585801630

Model	Outside Diameter		Width		Inside Diameter		Coated Steel	Stainless Steel	Nylon	
	mm	"	mm	"	mm	"	0,30 mm .012"	0,30 mm .012"	Grain: 46	Grain: 80
									Code	Code
MAKITA	100	4"	120	4.3/4"	12,7	1/2	CT91030E13	CT91030Z13	CI10124613	CI10128013

Model	Outside Diameter		Width		Inside Diameter		Coated Steel		Stainless Steel	Nylon		
	mm	"	mm	"	mm	"	0,20 mm .008"	0,30 mm .012"	0,20 mm .008"	Grain: 46	Grain: 80	
										Code	Code	
FLEX FEIN METABO	100	4"	70	2.3/4"	19+2 CHRO 6X3	3/4"+2 keyway 1/4-1/8	CT91020C19	CT91020E19	CT91020N19			
			100	4"	19+2 CHRO 6X3	3/4"+2 keyway 1/4-1/8	CT91028C19	CT91028E19	CT91028N19			
			70	2.3/4"	19+2 CHRO 6X3	3/4"+2 keyway 1/4-1/8					CI10704619	CI10708019
			100	4"	19+2 CHRO 6X3	3/4"+2 keyway 1/4-1/8					CI10104619	CI10108019
			120	4.3/4"	19+2 CHRO 6X3	3/4"+2 keyway 1/4-1/8					CI10124619	CI10128019



ORDER EXAMPLE:

CT91528C1630

1.Model: CT

2.Article Code: 91528C1630



**08.  
Technical  
Brushing**

We offer any kind of STRIP brushes. We offer a wide range of standard measures of STRIP brushes, including different profiles (aluminum), widths and fiber trim lengths.

This wide range of brushes are simple, efficient and cost effective. It is the easiest solution in Technical Brushes.

STRIP brushes allow the user a fast adaptation, since the profiles can be cut, drilled, machined etc ...

#### Applications

Door Locks

Cleaning of conveyor belts.

Applications in machines.

Soundproofing

Avoid the passage of dust.

#### Materials

Polypropylene and Nylon material with projections of fibers according to tables.

For special measures contact us directly.



## RIGID strip standard range

Strip Brush made with "U" in electro-galvanized steel and fiber in PP (Polypropylene).

Within the standard measures other fibers can be chosen, such as: Polyamide (PA), Rilsan (RSS), Polyester (PBT), Polyethylene (PE), etc ...

Supplied in 3 meter bars.

ACTION	SWEEPING
SURFACE	STEEL / STAINLESS / ALUMINUM NON-SPARKING / WOOD
TOOL	-
FINISH	COARSE, MEDIUM, FINE, S. FINE, NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL

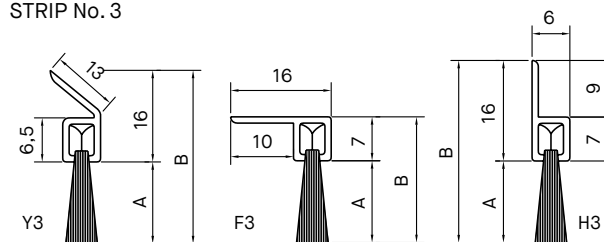


## STRIP Standard range

Note: The STRIP brushes can be supplied without support.

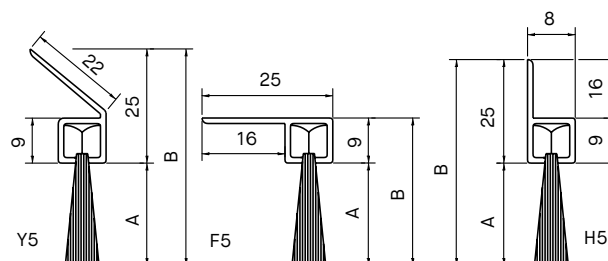
Reference	A (Trim Length)		B (Total Length)	
	mm	"	mm	"
	H3-14	14	0,55"	30
F3-14	14	0,55"	21	0,83"
Y3-14	14	0,55"	30	1,18"
H3-24	24	0,94"	40	1,57"
F3-24	24	0,94"	31	1,22"
Y3-24	24	0,94"	40	1,57"
H3-34	34	1,34"	50	1,97"
F3-34	34	1,34"	41	1,61"
Y3-34	34	1,34"	50	1,97"
H3-44	44	1,73"	60	2,36"
F3-44	44	1,73"	51	2"
Y3-44	44	1,73"	60	2,36"

STRIP No. 3



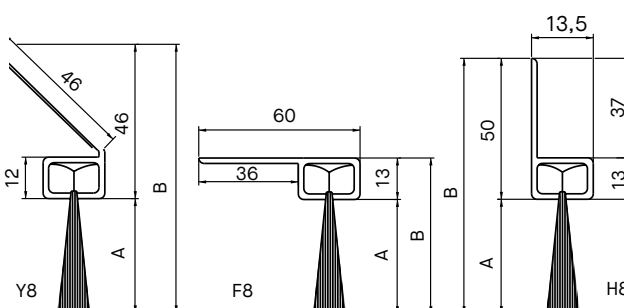
Reference	A (Trim Length)		B (Total Length)	
	mm	"	mm	"
	H5-15	15	0,59"	40
F5-15	15	0,59"	24	0,94"
Y5-15	15	0,59"	40	1,57"
H5-25	25	0,98"	50	1,97"
F5-25	25	0,98"	34	1,34"
Y5-25	25	0,98"	50	1,97"
H5-35	35	1,38"	60	2,36"
F5-35	35	1,38"	44	1,73"
Y5-35	35	1,38"	60	2,36"
H5-45	45	1,77"	70	2,76"
F5-45	45	1,77"	54	2,13"
Y5-45	45	1,77"	70	2,76"
H5-50	50	1,97"	75	2,95"
F5-50	50	1,97"	59	2,32"
Y5-50	50	1,97"	75	2,95"
H5-60	60	2,36"	85	3,35"
F5-60	60	2,36"	69	2,72"
Y5-60	60	2,36"	85	3,35"
H5-80	80	3,15"	105	4,13"
F5-80	80	3,15"	89	3,50"
Y5-80	80	3,15"	105	4,13"
H5-90	90	3,54"	115	4,53"
F5-90	90	3,54"	99	3,90"
Y5-90	90	3,54"	115	4,53"

STRIP No. 5



Reference	A (Trim Length)		B (Total Length)	
	mm	"	mm	"
	H8-20	20	0,78"	66
F8-20	20	0,78"	33	1,29"
Y8-20	20	0,78"	70	2,75"
H8-40	40	1,57"	90	3,54"
F8-40	40	1,57"	53	2,09"
Y8-40	40	1,57"	86	3,39"
H8-50	50	1,97"	100	3,94"
F8-50	50	1,97"	63	2,48"
Y8-50	50	1,97"	96	3,78"
H8-60	60	2,36"	110	4,33"
F8-60	60	2,36"	73	2,87"
Y8-60	60	2,36"	106	4,17"
H8-80	80	3,15"	130	5,12"
F8-80	80	3,15"	93	3,66"
Y8-80	80	3,15"	126	4,96"
H8-100	100	3,94"	150	5,91"
F8-100	100	3,94"	113	4,45"
Y8-100	100	3,94"	146	5,75"
H8-120	120	4,72"	170	6,69"
F8-120	120	4,72"	133	5,24"
Y8-120	120	4,72"	166	6,54"
H8-150	150	5,91"	200	7,87"
F8-150	150	5,91"	163	6,42"
Y8-150	150	5,91"	196	7,72"
H8-160	160	6,29"	206	8,11"
F8-160	160	6,29"	173	6,81"
Y8-160	160	6,29"	210	8,26"
H8-180	180	7,09"	230	9,06"
F8-180	180	7,09"	193	7,60"
Y8-180	180	7,09"	226	8,90"
H8-200	200	7,87"	250	9,84"
F8-200	200	7,87"	213	8,39"
Y8-200	200	7,87"	246	9,69"
H8-220	220	8,66"	270	10,63"
F8-220	220	8,66"	233	9,17"
Y8-220	220	8,66"	266	10,47"

STRIP No. 8



## Rigid metal STRIP

### STAINLESS STEEL model

Metal Strip with the "U" of stainless steel AISI 304L and stainless steel wires. It is used in food industry, and in processes where corrosion is critical.

### BRASS COATED STEEL model

Metal Strip with the "U" of electro-lacquered steel and brass coated steel wires, used in a wide variety of industrial processes. Supplied in 3 meter bars.

ACTION SURFACE

CLEANING, SWEEPING

STEEL / STAINLESS / ALUMINUM  
NON-SPARKING / WOOD

TOOL FINISH

COARSE, MEDIUM, FINE, S. FINE, WIRE

REMOVAL

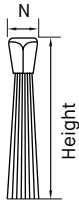
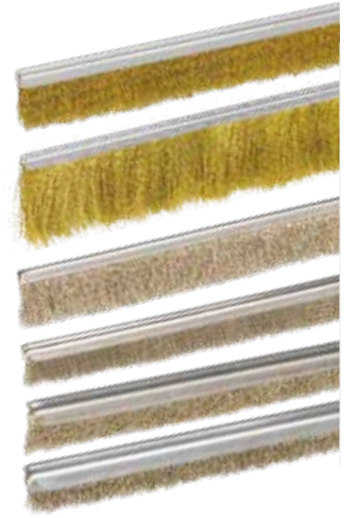
● ● ● ● ● 0,30 mm

● ● ● ● ● 5,16 mm / 9,69

FLEXIBILITY

● ● ● ● ● 0,30 mm

● ● ● ● ● 5,16 mm / 9,69



STRIP No. 8	Model	Height		Ø Wire	
		mm	"	mm	"
	STRIP STAINLESS(AISI 304I)	70	2.3/4"	0,30	.012"
	STRIP STAINLESS(AISI 304I)	70	2.3/4"	0,50	.020"
	STRIP COATED STEEL	70	2.3/4"	0,30	.012"
	STRIP COATED STEEL	70	2.3/4"	0,50	.020"

## External Cylinder STRIP



External cylinder strip, perfect solution to make customized brushes.

The circular strip allows winding on an axis, on straight or curved tubes. Depending on the passage of the spiral, we will get a brush more or less dense. Consult the wide range of fibers and steels to design your own brush.



ACTION SURFACE

SWEEPING

STEEL / STAINLESS / ALUMINUM  
NON-SPARKING / WOOD

TOOL FINISH

INDUSTRIAL MACHINE

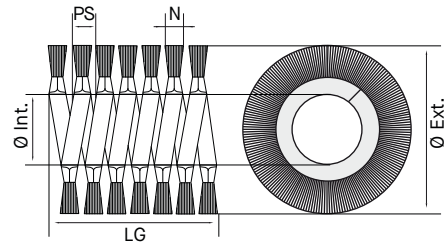
REMOVAL

COARSE, MEDIUM, FINE, S. FINE, NEUTRAL

FLEXIBILITY

MAY VARY ACCORDING TO THE MATERIAL

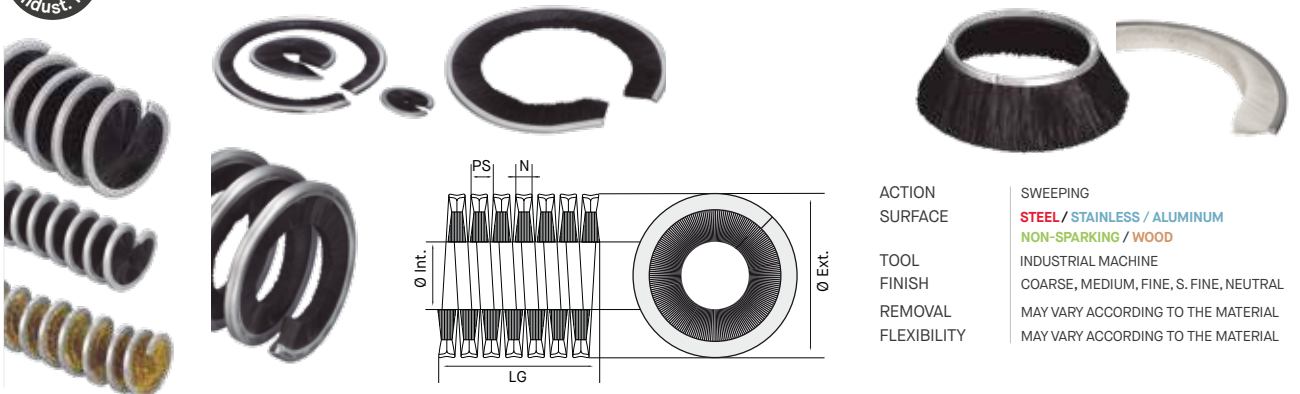
MAY VARY ACCORDING TO THE MATERIAL



## Interior Cylinder STRIP



The interior cylinder strip is also manufactured under plan. Select the Strip and the most suitable fiber depending on the inner Ø and the outer Ø.



ACTION SURFACE

SWEEPING

STEEL / STAINLESS / ALUMINUM  
NON-SPARKING / WOOD

TOOL FINISH

INDUSTRIAL MACHINE

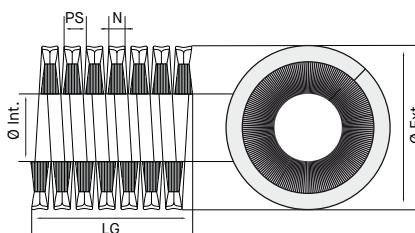
REMOVAL

COARSE, MEDIUM, FINE, S. FINE, NEUTRAL

FLEXIBILITY

MAY VARY ACCORDING TO THE MATERIAL

MAY VARY ACCORDING TO THE MATERIAL



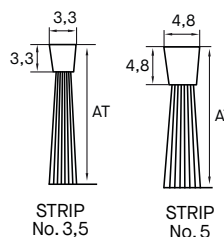


## Flexible Strip

Flexible Strip Brush made with "U"  
Polypropylene (PP) and black PP fiber.  
Ideal for curved surfaces, exterior  
enclosures, swimming pool enclosures etc.  
Supplied in Coils.

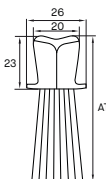
ACTION	SWEEPING
SURFACE	STEEL / STAINLESS / ALUMINUM NON-SPARKING / WOOD
TOOL	-
FINISH	COARSE, MEDIUM, FINE, S. FINE, NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL

	Height		Ø Fiber		Coil	
	mm	"	mm	"	m	ft
STRIP N° 3,5	19	3/4"	0,15	.005"	65	213
	29	1.9/64"	0,15	.005"	65	213
	39	1.17/32"	0,20	.007"	65	213
	49	1.59/64"	0,20	.007"	55	180
STRIP N° 5	22	55/64"	0,15	.005"	50	164
	32	1.17/64"	0,20	.007"	50	164
	42	1.21/32"	0,20	.007"	50	164
	52	2.3/64"	0,20	.007"	45	147
	67	2.41/64"	0,30	.012"	45	147
	87	3.27/64"	0,30	.012"	32	105
	97	3.13/16"	0,30	.012"	32	105



## Longitudinal STRIP. Width 20

Brush Strip made with the "U" in electro-galvanized steel  
and a mixture of PP with flat steel wires.  
It is a brush of great hardness, used in the construction  
sector.  
Cleaning of cement in prefabricated concrete molds.  
Supplied in bars of 1.4 meters (+/- 10mm).



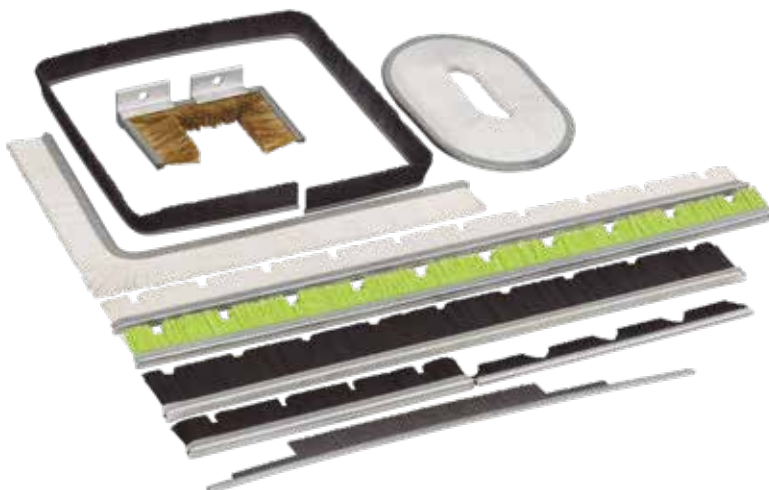
ACTION	SWEEPING
SURFACE	STEEL / STAINLESS / ALUMINUM NON-SPARKING / WOOD
TOOL	INDUSTRIAL MACHINE
FINISH	COARSE, MEDIUM, FINE, S. FINE, NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL

	Height		Thread	
	mm	"	mm	"
STRIP N°20	95	3/4"	(PP 3x2)+(Steel 1,1x0,25)	(PP .012x.078)+(Steel .043x.010)
	115	1.9/64"	(PP 3x2)+(Steel 1,1x0,25)	(PP .012x.078)+(Steel .043x.010)
	145	1.17/32"	(PP 3x2)+(Steel 1,1x0,25)	(PP .012x.078)+(Steel .043x.010)

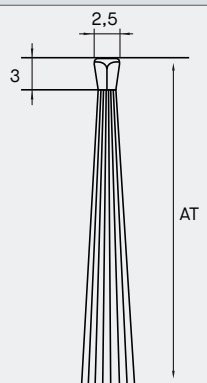
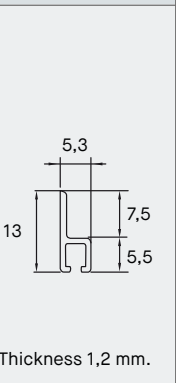
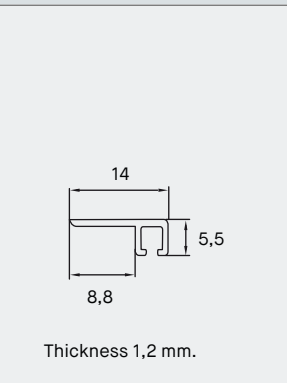
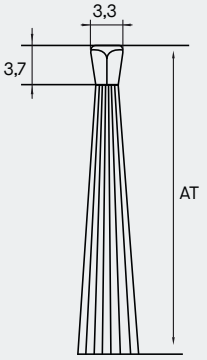
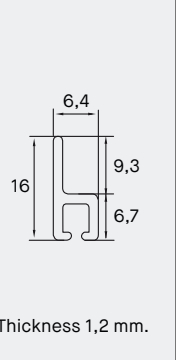
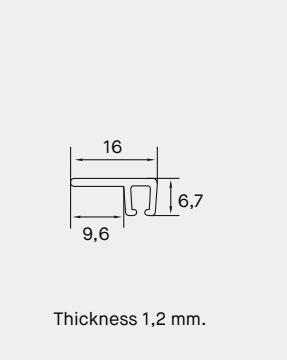
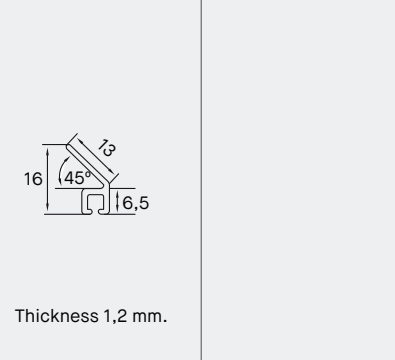
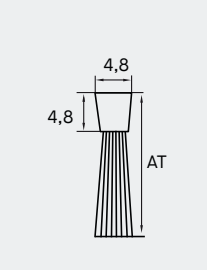
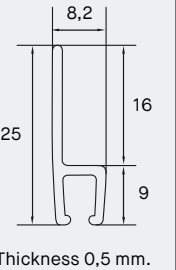
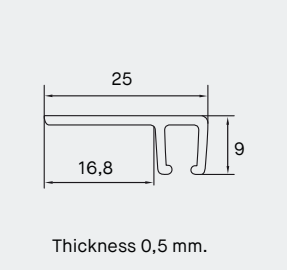
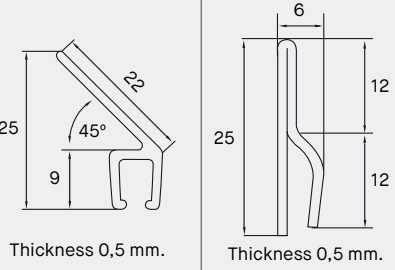
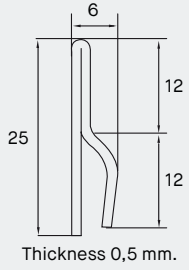
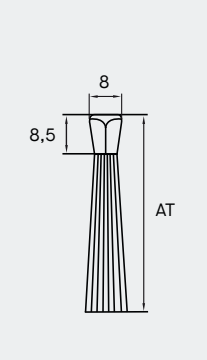
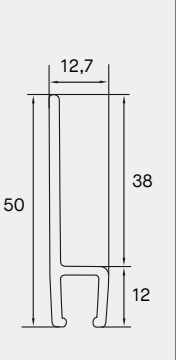
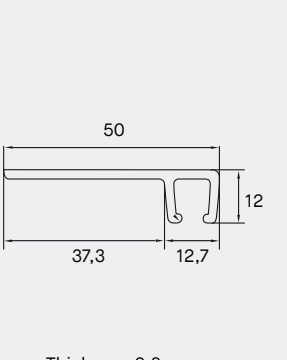
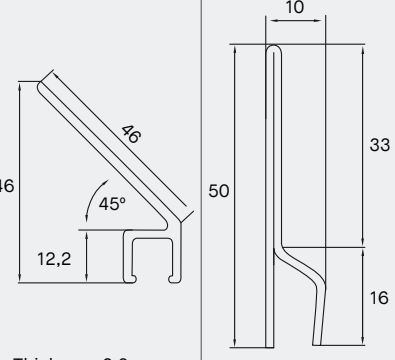
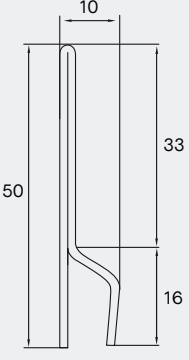
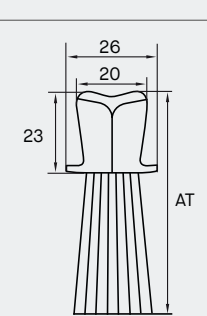
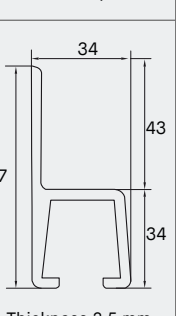
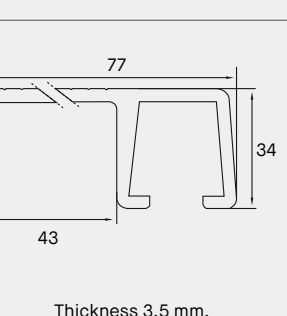
## Strip Special Shapes

Wide range of shapes.  
Customized adaptations depending on  
the application.

ACTION	SWEEPING
SURFACE	STEEL / STAINLESS / ALUMINUM NON-SPARKING / WOOD
TOOL	-
FINISH	COARSE, MEDIUM, FINE, S. FINE, NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL



## Range of Profiles

	"U" STRIP	Mod."H" Aluminun	Mod."F" Aluminun	Mod."Y" Aluminun	Mod."H" Stainless
ALUM. PROFILE N. 2,5		 Thickness 1,2 mm.	 Thickness 1,2 mm.		
ALUM. PROFILE N. 3,5		 Thickness 1,2 mm.	 Thickness 1,2 mm.	 Thickness 1,2 mm.	
ALUM. PROFILE N. 5		 Thickness 0,5 mm.	 Thickness 0,5 mm.	 Thickness 0,5 mm.	 Thickness 0,5 mm.
ALUM. PROFILE N. 8		 Thickness 0,8 mm.	 Thickness 0,8 mm.	 Thickness 0,8 mm.	 Thickness 0,8 mm.
ALUM. PROFILE N. 20		 Thickness 3,5 mm.	 Thickness 3,5 mm.		

## Insertion Technical Brushes

JAZ-ZUBIAURRE technical brushes like the other products are designed for optimum performance. Our technical department can advise the customer in everything he needs. We can work on drawings or by supplying us any sample of the requested brush. Do not hesitate to contact us.



### Applications

Machine Tool  
Foundry  
Conveyors  
Automotive  
Construction  
Food industry  
Steel industry  
Cleaning Tasks  
Soundproofing  
Derivation of voltages

### Materials

Steel  
Brass coated steel  
Stainless Steel  
Brass  
Polypropylene  
Polyamide  
Fiber

### ACTION

CLEANING, DEBURRING, FINISHING, GRINDING,  
SURFACE PREPARATION, SWEEPING

### SURFACE

STEEL / STAINLESS / ALUMINUM  
NON-SPARKING / WOOD

### TOOL

INDUSTRIAL MACHINES

### FINISH

COARSE, MEDIUM, FINE, S. FINE, NEUTRAL

### REMOVAL

MAY VARY ACCORDING TO THE MATERIAL

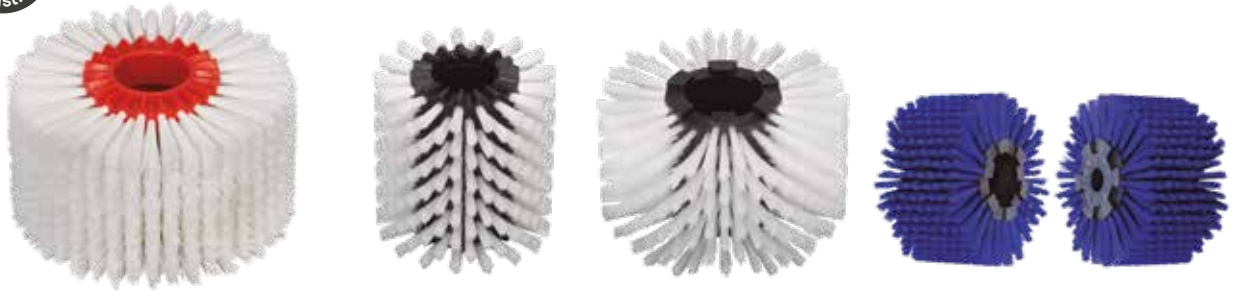
### FLEXIBILITY

MAY VARY ACCORDING TO THE MATERIAL



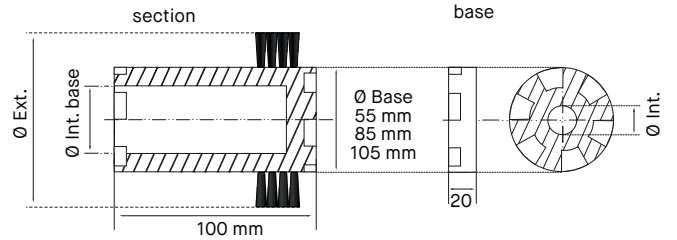
See construction drawing on page 120 & 121

Modular Brushes



The inserted modular brushes are manufactured on a PP module. The assembly and dismantling of the brush is really simple. The use of these modular brushes allows replacing already used modules without the need to change the entire brush.

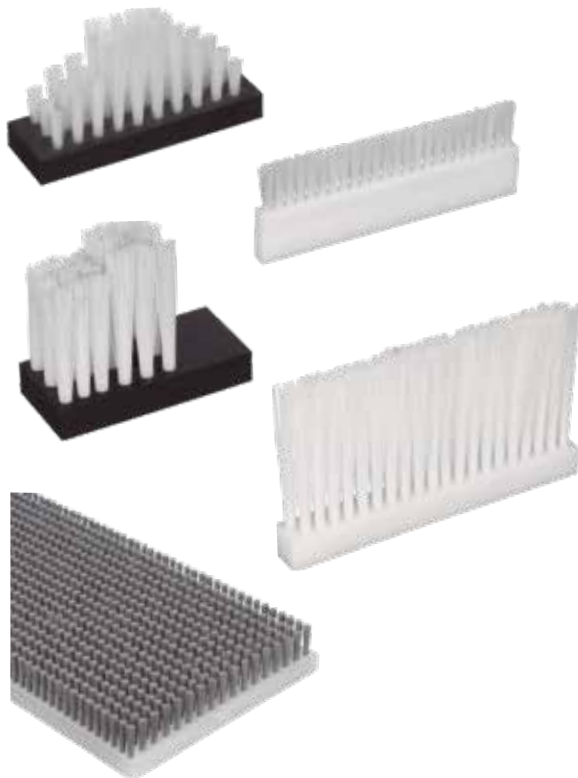
ACTION	CLEANING, SWEEPING
SURFACE	STEEL / STAINLESS / ALUMINUM NON-SPARKING / WOOD
TOOL	INDUSTRIAL MACHINES
FINISH	NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL



Rectangular Brushes



Inserted Technical brushes are used for many applications and sectors. The bases of the brushes are in PP. Rectangular brushes are made to order on fibers such as PP, PA, Nylon, etc.



ACTION	CLEANING, SWEEPING
SURFACE	STEEL / STAINLESS / ALUMINUM NON-SPARKING / WOOD
TOOL	INDUSTRIAL MACHINES
FINISH	NEUTRAL
REMOVAL	MAY VARY ACCORDING TO THE MATERIAL
FLEXIBILITY	MAY VARY ACCORDING TO THE MATERIAL

See construction drawing on page 122

# 09. Drawings



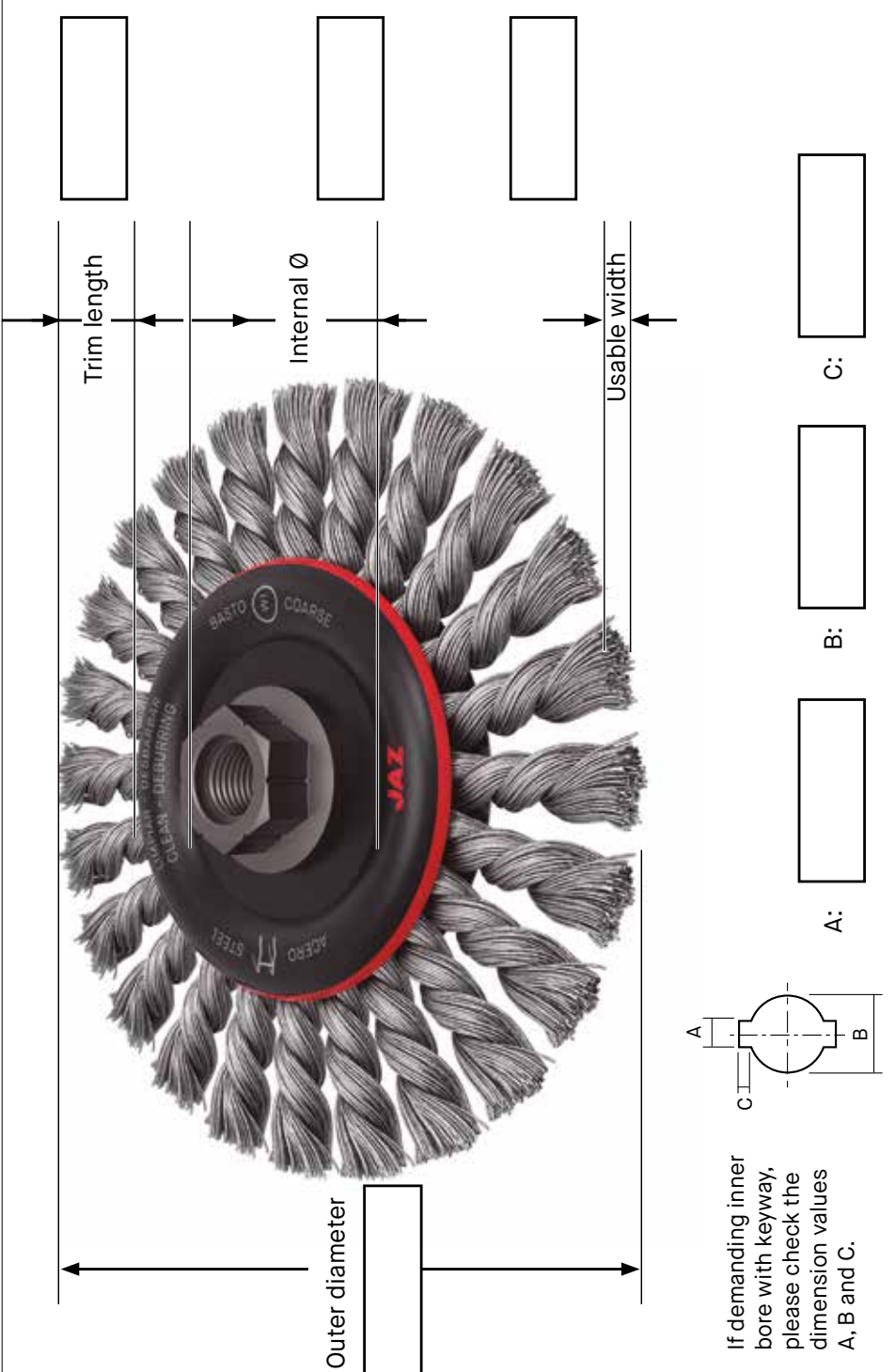
# Drawing for brush type CT

MATERIAL (Mark with an "X")	DIMENSIONS
<input type="checkbox"/> GREY STEEL <input type="checkbox"/> BRASS COATED STEEL <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> BRASS <input type="checkbox"/> GERMAN SILVER <input type="checkbox"/> LAMINATED WIRE  Wire diameter <input type="checkbox"/> 0,08mm / .003" <input type="checkbox"/> 0,12mm / .005" <input type="checkbox"/> 0,15mm / .006" <input type="checkbox"/> 0,20mm / .008" <input type="checkbox"/> 0,30mm / .012"  <input type="checkbox"/> CABLE CRIMPED WIRE Cable crimped wire diameter <input type="checkbox"/> 6h x 0,35mm+3h x 0,20mm / 6h x .013"+3h x .008" <input type="checkbox"/> 12h x 0,23mm / 12h x .009"  <input type="checkbox"/> STAINLESS STEEL CABLE WIRE Stainless steel cable wire diameter <input type="checkbox"/> 7h x 0,35mm / 7h x .013"	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Estimated Annual Usage <input style="width: 100%;" type="text"/></p> <p>Trim length <input style="width: 100%;" type="text"/></p> <p>Internal Ø <input style="width: 100%;" type="text"/></p> <p>Outer diameter <input style="width: 100%;" type="text"/></p> <p>Usable width <input style="width: 100%;" type="text"/></p> </div> <div style="width: 45%; text-align: right;"> <p>A: <input style="width: 100%;" type="text"/></p> <p>B: <input style="width: 100%;" type="text"/></p> <p>C: <input style="width: 100%;" type="text"/></p> </div> </div>  <p style="font-size: small;">If demanding inner bore with keyway, please check the dimension values A, B and C.</p>
Company name: _____ Phone: _____ Name: _____ E-mail: _____	

# Drawing for brush type CUCB

		Estimated Annual Usage <input style="width: 100px;" type="text"/>
<p><b>MATERIAL (Mark with an "X")</b></p> <p><input type="checkbox"/> BRASS COATED STEEL</p> <p><input type="checkbox"/> STAINLESS STEEL</p> <p>Wire diameter</p> <p><input type="checkbox"/> 0,15mm / .006"    <input type="checkbox"/> 0,35mm / .013"</p> <p><input type="checkbox"/> 0,20mm / .008"    <input type="checkbox"/> 0,40mm / .016"</p> <p><input type="checkbox"/> 0,25mm / .009"    <input type="checkbox"/> 0,50mm / .020"</p> <p><input type="checkbox"/> 0,30mm / .012"</p> <p><input type="checkbox"/> CABLE CRIMPED WIRE</p> <p>Cable crimped wire diameter</p> <p><input type="checkbox"/> 6h x 0,35mm+3h x 0,20mm / 6h x .013"+3h x .008"</p> <p><input type="checkbox"/> 12h x 0,23mm / 12h x .009"</p> <p><input type="checkbox"/> STAINLESS STEEL CABLE WIRE</p> <p>Stainless steel cable wire diameter</p> <p><input type="checkbox"/> 7h x 0,35mm / 7h x .013"</p>	<p><b>DIMENSIONS</b></p> <p>Outer diameter <input style="width: 100px;" type="text"/></p> <p>Trim length <input style="width: 100px;" type="text"/></p> <p>Usable width <input style="width: 100px;" type="text"/></p> <p>A: <input style="width: 100px;" type="text"/></p> <p>B: <input style="width: 100px;" type="text"/></p> <p>C: <input style="width: 100px;" type="text"/></p>	
<p>Company name: _____ Phone: _____</p> <p>Name: _____ E-mail: _____</p>		

# Drawing for brush type CAM

MATERIAL (Mark with an "X")	DIMENSIONS
<input type="checkbox"/> GREY STEEL <input type="checkbox"/> BRASS COATED STEEL <input type="checkbox"/> STAINLESS STEEL <input type="checkbox"/> GALVANISED STEEL <input type="checkbox"/> LAMINATED WIRE <input type="checkbox"/> BRASS	 <p style="text-align: center;">Outer diameter</p> <p style="text-align: center;">Internal Ø</p> <p style="text-align: center;">Trim length</p> <p style="text-align: center;">Usable width</p> <p style="text-align: center;">A: <input style="width: 40px;" type="text"/></p> <p style="text-align: center;">B: <input style="width: 40px;" type="text"/></p> <p style="text-align: center;">C: <input style="width: 40px;" type="text"/></p> <p style="font-size: small;">If demanding inner bore with keyway, please check the dimension values A, B and C.</p>
<p>Wire diameter</p> <input type="checkbox"/> 0,37mm / .014" <input type="checkbox"/> 0,40mm / .016" <input type="checkbox"/> 0,50mm / .020" <input type="checkbox"/> 0,80mm / .032"	<p>Estimated Annual Usage <input style="width: 100px;" type="text"/></p>
<p>Knot type</p> <input type="checkbox"/> P <input style="width: 20px;" type="checkbox"/> <input type="checkbox"/> M <input style="width: 20px;" type="checkbox"/> <input type="checkbox"/> C <input style="width: 20px;" type="checkbox"/> <input type="checkbox"/> T <input style="width: 20px;" type="checkbox"/> <input type="checkbox"/> A <input style="width: 20px;" type="checkbox"/>	<p>Usable width <input style="width: 100px;" type="text"/></p>

Company name:

Name:

Phone:

E-mail:



# Drawing for brush type TT

## MATERIAL (Mark with an "X")

- GREY STEEL
- BRASS COATED STEEL
- STAINLESS STEEL
- BRASS
- LAMINATED WIRE

### Wire diameter

- 0,37mm / .014"
- 0,40mm / .016"
- 0,50mm / .020"
- 0,80mm / .032"

Estimated Annual Usage



Number of knots:

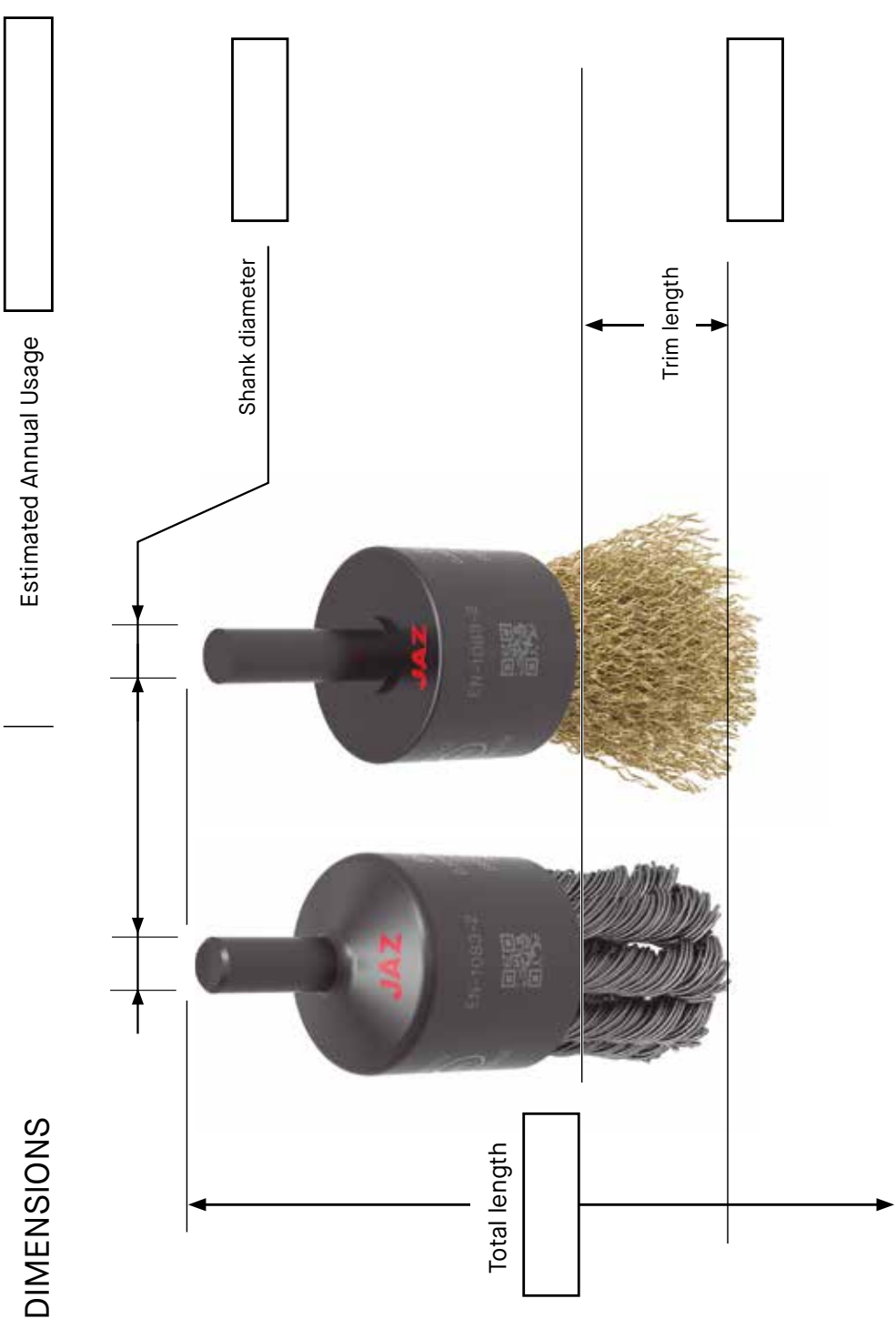
Phone:

E-mail:

Company name:

Name:

# Drawing for brush type END BRUSHES



## DIMENSIONS

MATERIAL (Mark with an "X")

<input type="checkbox"/>	GREY STEEL
<input type="checkbox"/>	BRASS COATED STEEL
<input type="checkbox"/>	STAINLESS STEEL
<input type="checkbox"/>	STAINLESS STEEL CABLE WIRE
<input type="checkbox"/>	BRASS
<input type="checkbox"/>	GERMAN SILVER
<input type="checkbox"/>	LAMINATED WIRE
<input type="checkbox"/>	NYLON
	Wire diameter
<input type="checkbox"/>	0,15mm / .006"
<input type="checkbox"/>	0,30mm / .012"
<input type="checkbox"/>	0,35mm / .013"
<input type="checkbox"/>	0,37mm / .014"
<input type="checkbox"/>	0,40mm / .016"
<input type="checkbox"/>	0,50mm / .020"
<input type="checkbox"/>	CABLE CRIMPED WIRE
	Cable crimped wire diameter
<input type="checkbox"/>	6h x 0,35mm+3h x0,20mm / 6h x .013"+3h x .008"
<input type="checkbox"/>	12h x 0,23mm / 12h x .009"

Company name:

Phone:

Name:

E-mail:

# Drawing for brush type tube brushes

## MATERIAL (Mark with an "X")

- BRASS COATED STEEL
- STAINLESS STEEL
- ABRASIVE NYLON (GRIT 120)
- ABRASIVE NYLON (GRIT 180)
- ABRASIVE NYLON (GRIT 320)
- BRASS
- NYLON
- HORSE HAIR

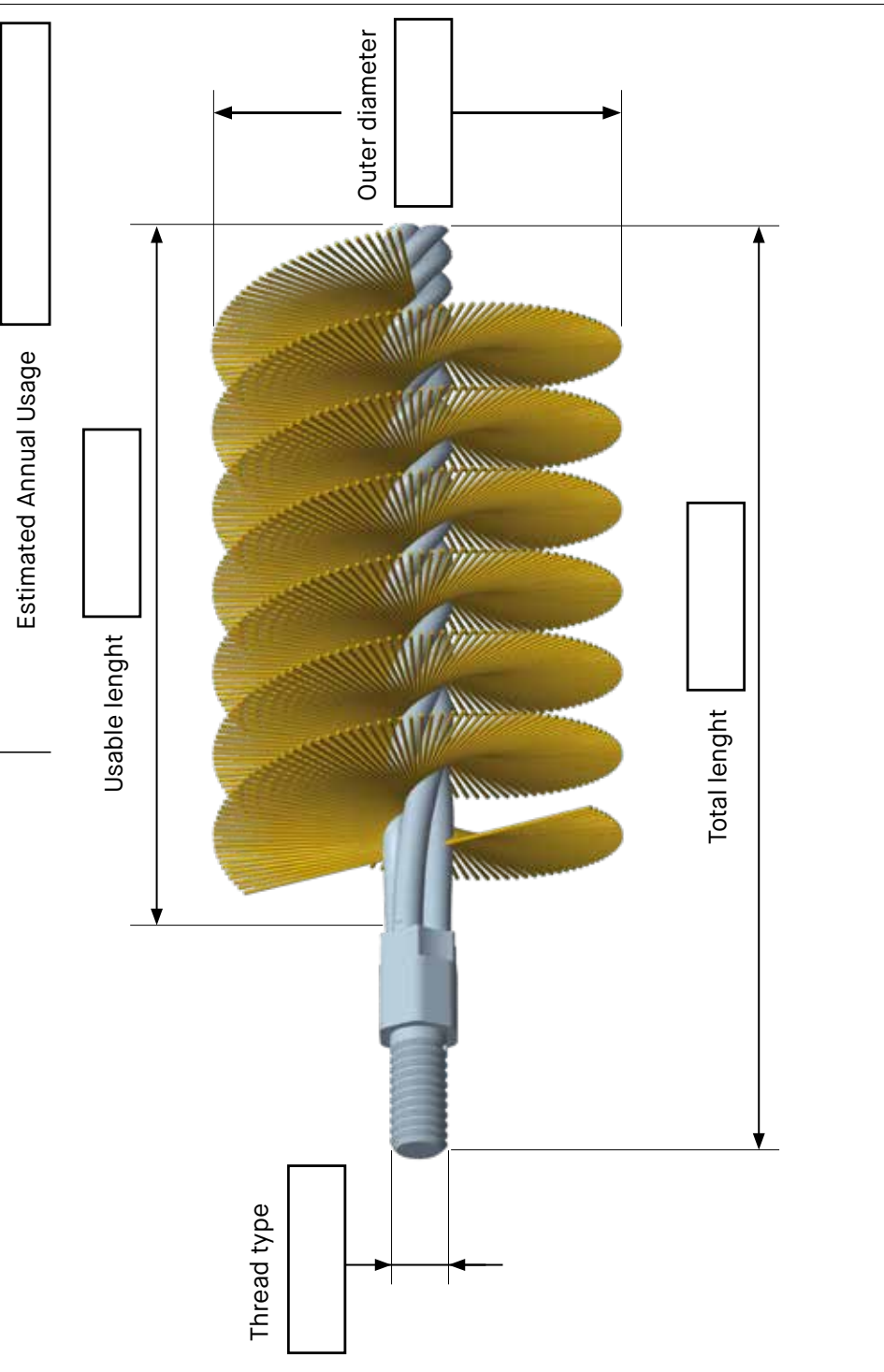
Wire diameter

- 0,25mm / .009"
- 0,30mm / .012"
- 0,40mm / .016"
- 0,50mm / .020"

Spiral type

- L1 Simple Spiral
- L2 Double Spiral

## DIMENSIONS



Company name:

Phone:

Name:

E-mail:

# Drawing for brush type TO

## DIMENSIONS

MATERIAL (Mark with an "X")

- GREY STEEL
- BRASS COATED STEEL
- STAINLESS STEEL
- BRASS
- LAMINATED WIRE

Wire diameter

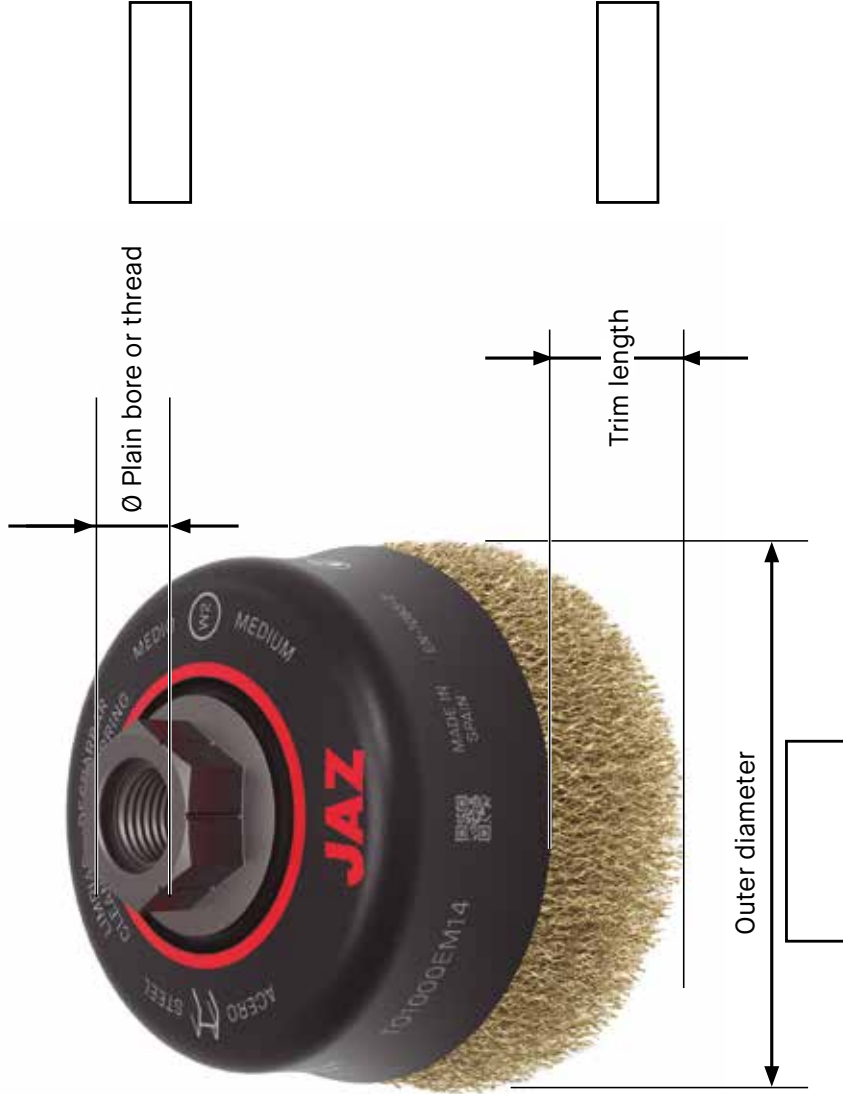
- 0,08mm / .003"       0,35mm / .013"
- 0,12mm / .005"       0,40mm / .016"
- 0,15mm / .006"       0,50mm / .020"
- 0,20mm / .008"       0,80mm / .032"
- 0,30mm / .012"

- CABLE CRIMPED WIRE
- Cable crimped wire diameter

- 6h X 0,35mm + 3h X 0,20mm / 6 X .013" + 3h X .008"
- 12h X 0,23mm / 12 X .009"

- STAINLESS STEEL CABLE WIRE
- Stainless steel cable wire diameter
- 7h X 0,35mm / 7h X .013"

Estimated Annual Usage



Company name:

Phone:

Name:

E-mail:

# DNA nylon abrasive wheel brushes drawing

<p><b>MATERIAL</b> (Mark with an "X")</p> <p>Nylon types</p> <p><input type="checkbox"/> GRIT 120</p> <p><input type="checkbox"/> GRIT 180</p> <p><input type="checkbox"/> GRIT 320</p> <p><input type="checkbox"/> Another type of grit (Detail): _____</p>	<p style="text-align: center;"><b>DIMENSIONS</b></p> <div style="text-align: center;"> </div> <p style="text-align: center;">If demanding inner bore with keyway, please check the dimension values A, B and C.</p>
<p>Estimated Annual Usage</p>	<p>Trim length</p> <p>Internal Ø</p> <p>Outer diameter</p> <p>Usable width</p> <p style="text-align: right;">A: <input style="width: 50px;" type="text"/></p> <p style="text-align: right;">B: <input style="width: 50px;" type="text"/></p> <p style="text-align: right;">C: <input style="width: 50px;" type="text"/></p>
<p>Company name: _____</p> <p>Name: _____</p> <p style="text-align: right;">Phone: _____</p> <p style="text-align: right;">E-mail: _____</p>	

# Drawing for insertion technical Disc brushes

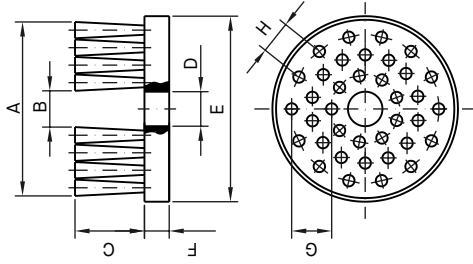
Estimated Annual Usage

## DIMENSIONS

<input type="checkbox"/> POLYAMIDE 6.6 <input type="checkbox"/> POLYAMIDE 6.12 <input type="checkbox"/> RILSAN <input type="checkbox"/> PEKALON <input type="checkbox"/> POLYESTER PBT <input type="checkbox"/> POLYPROPYLENE <input type="checkbox"/> POLYETHYLENE	<input type="checkbox"/> ANOTHER TYPE (Detail):
Density <input type="checkbox"/> HIGH <input type="checkbox"/> MEDIUM <input type="checkbox"/> LOW	



- A: Useful outside diameter
- B: Useful inside diameter
- C: Trim length
- D: Central core hole diameter
- E: Outside core diameter
- F: Core width
- G: Distance between rows
- H: Distance between holes
- I: Fiber diameter



A:       C:       E:       G:       I:  
 B:       D:       F:       H:

Company name:

Phone:


Name:

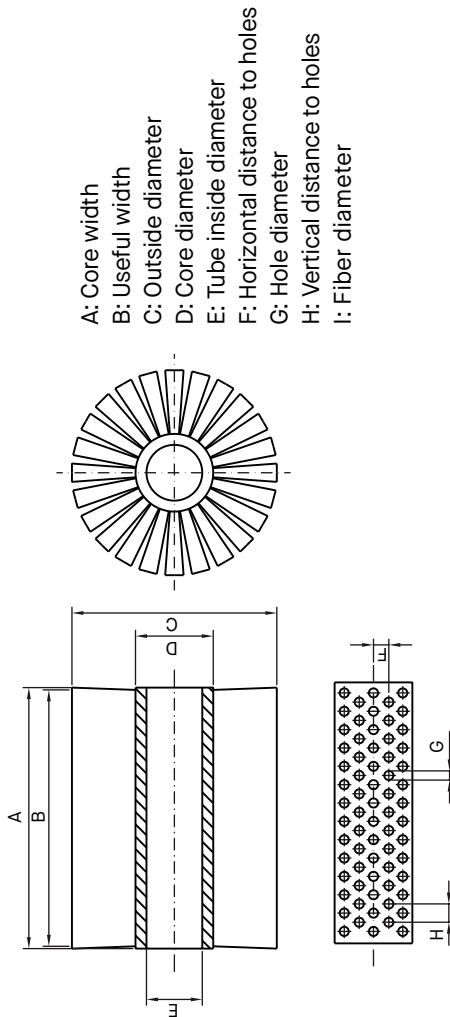
E-mail:

# Drawing for insertion technical Cylinder brushes

Estimated Annual Usage

## DIMENSIONS

<input type="checkbox"/> POLYAMIDE 6.6 <input type="checkbox"/> POLYAMIDE 6.12 <input type="checkbox"/> RILSAN <input type="checkbox"/> PEKALON <input type="checkbox"/> POLYESTER PBT <input type="checkbox"/> POLYPROPYLENE <input type="checkbox"/> POLYETHYLENE  Density <input type="checkbox"/> HIGH <input type="checkbox"/> MEDIUM <input type="checkbox"/> LOW  <input type="checkbox"/> ANOTHER TYPE (Detail):	
---	---



- A: Core width
- B: Useful width
- C: Outside diameter
- D: Core diameter
- E: Tube inside diameter
- F: Horizontal distance to holes
- G: Hole diameter
- H: Vertical distance to holes
- I: Fiber diameter

A: <input type="text"/>	C: <input type="text"/>	E: <input type="text"/>	G: <input type="text"/>	I: <input type="text"/>
B: <input type="text"/>	D: <input type="text"/>	F: <input type="text"/>	H: <input type="text"/>	

Company name: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

# Drawing for insertion technical Rectangular brushes

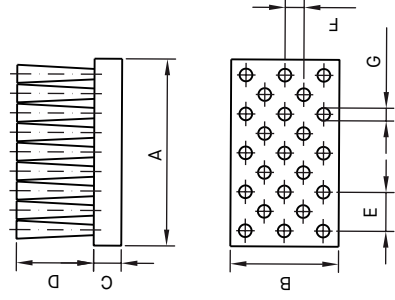
**MATERIAL** (Mark with an "X") Estimated Annual Usage

POLYAMIDE 6.6  
 POLYAMIDE 6.12  
 RILSAN  
 PEKALON  
 POLYESTER PBT  
 POLYPROPYLENE  
 POLYETHYLENE

Density

HIGH  
 MEDIUM  
 LOW

ANOTHER TYPE (Detail):



A:  C:  E:  G:  I:  Fiber diameter  
 B:  D:  F:  H:

Company name:  Phone:

Name:  E-mail:



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## HOW TO CHOOSE YOUR RIGHT PRODUCTS

Use this table to guide you in choosing the solution for your task

### APPLICATION



Cleaning



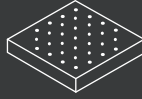
Surface preparation



Deburring



Grinding



Finishing



Polishing



Sweeping

### SURFACE



Steel



Stainless /aluminium



Non-sparking



Wood



others

### TOOL



Drill



Grinder



Mini-Grinder



Die-Grinder



Bench-Grinder



Industrial machine



By hand



Wood portable machine

### CHARACTERISTICS

Finishing	Grade					Removal	Flexibility
	WIRE	ABRASIVE NYLON	SANDPAPER	POLISH	SWEEP		
COARSE	W1	NA1	SP1	P1	SW1	● ● ● ● ●	● ● ● ● ●
MEDIUM	W2	NA2	SP2	P2	SW2	1 2 3 4 5	1 2 3 4 5
FINE	W3	NA3	SP3	P3	SW3	— / —	— / —
SUPERFINE	W4	NA4	SP4	P4	SW4		
NEUTRAL	W5	NA5	SP5	P5	SW5		

### FILAMENT TYPES

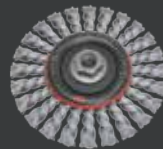
#### Crimped wire

- Higher flexibility
- Irregular surfaces
- Fine finishing



#### Knotted wire

- Longer Life
- Higher removal capacity
- Rough finishing



#### Abrasive Nylon

- High flexibility without danger of breaking
- Long working life
- Safety

